# Open File Envelope No. 3766

**EL 576** 

## **LYNDHURST**

# PROGRESS AND FINAL REPORTS TO LICENCE EXPIRY FOR THE PERIOD 16/1/1980 TO 15/1/1981

Submitted by Dampier Mining Co. Ltd 1981

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Minerals and Energy Resources

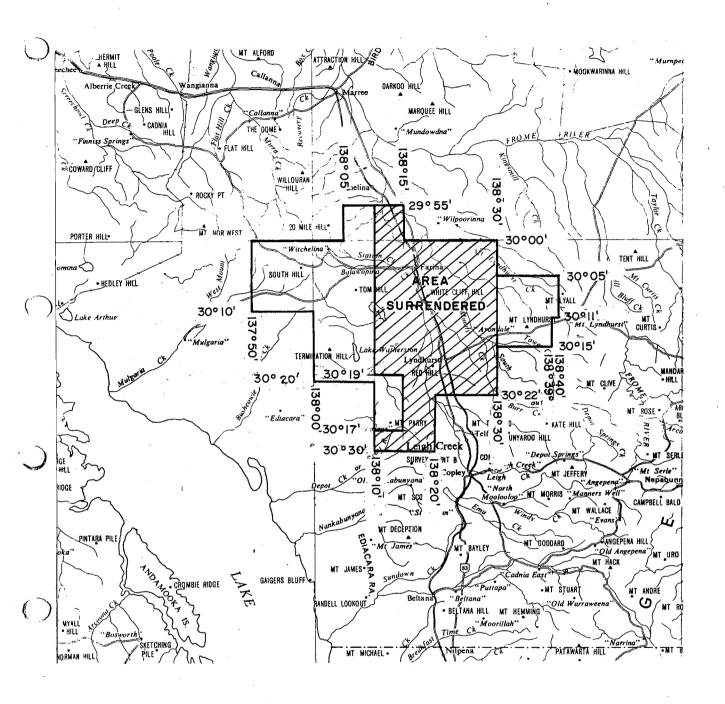
7th Floor

101 Grenfell Street, Adelaide 5000

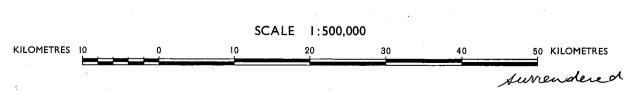
Telephone: (08) 8463 3000 Facsimile: (08) 8204 1880



# **SCHEDULE A**



# EXPIRED



APPLICANT: DAMPIER MINING COMPANY LIMITED

DM: 458/79

AREA:

square kilometres

1:250 000 PLANS: ANDAMOOKA MARREE COPLEY

LOCALITY: LYNDHURST AREA - immediately north of Leigh Creek

DATE CRANTED 16 1 - 80

DATE EYPIRED 15.1.81

2864

EL No: 576

#### EXPLORATION LICENCE 576

#### LYNDHURST, SOUTH AUSTRALIA

REPORT FOR THE QUARTER ENDED 16TH APRIL, 1980



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#### LYNDHURST, SOUTH AUSTRALIA

#### REPORT FOR THE QUARTER ENDED 16TH APRIL, 1980

#### 1. GENERAL STATEMENT

Exploration Licence 576 was taken up primarily to test the diamond potential of the area. Subsidiary interests are the potential for base metals and coal. Exploration commenced during the quarter; methods used were gravity and ground magnetics.

#### 2. TITLES

Exploration Licence 576, of 2,864 square kilometres, was granted to the Dampier Mining Company Limited on the 16th of January, 1980 for six months. Figure 1 shows the location of the Licence.

#### 3. FIELD INVESTIGATIONS

#### 3.1 Geophysics

#### 3.1.1 Gravity Surveys

A gravity survey was carried out over two areas within Exploration Licence 576 to test for the presence of Mesozoic coal basins. The work was carried out by Solo Geophysics along east-west grid lines, spaced two kilometres apart, over the Avondale Grid area, and a further ten kilometre reconnaissance line called the Rocky Dam Line was read twenty five kilometres west of the main grid. Figure 2 shows the location of the traverse lines. Total kilometreage of gravity read is approximately sixty kilometres. The results of the gravity on the Avondale Grid are shown on Figure 3. Most significant anomalies are located on the Rocky Dam Grid line.

#### 3.1.2 Ground Magnetics Surveys

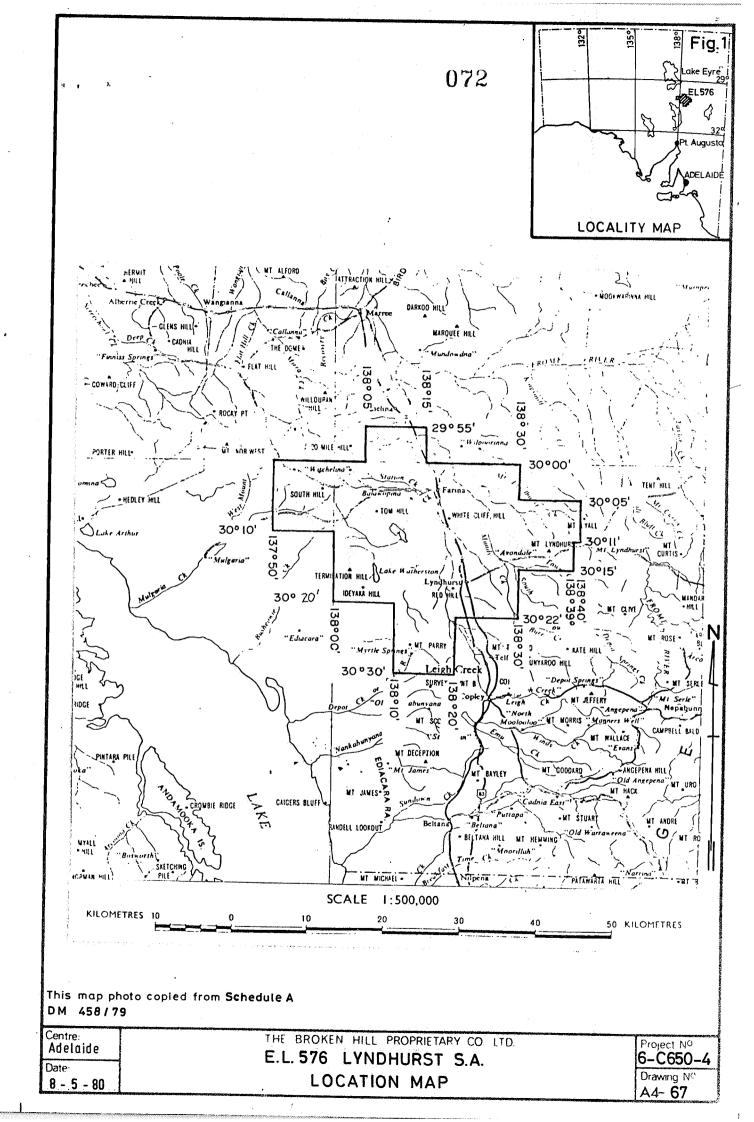
Ground magnetic surveys to delineate anomalies from the Government Aeromagnetic Surveys on the Copley sheet possibly due to kimberlite intrusions, commenced during the quarter. Eight anomalies were initially selected to be delineated. This work was generally carried out along north-south grid lines 200 to 250 metres apart with readings every ten metres. Figure 2 shows the location of these surveys. This work is still in progress; no results are yet available.

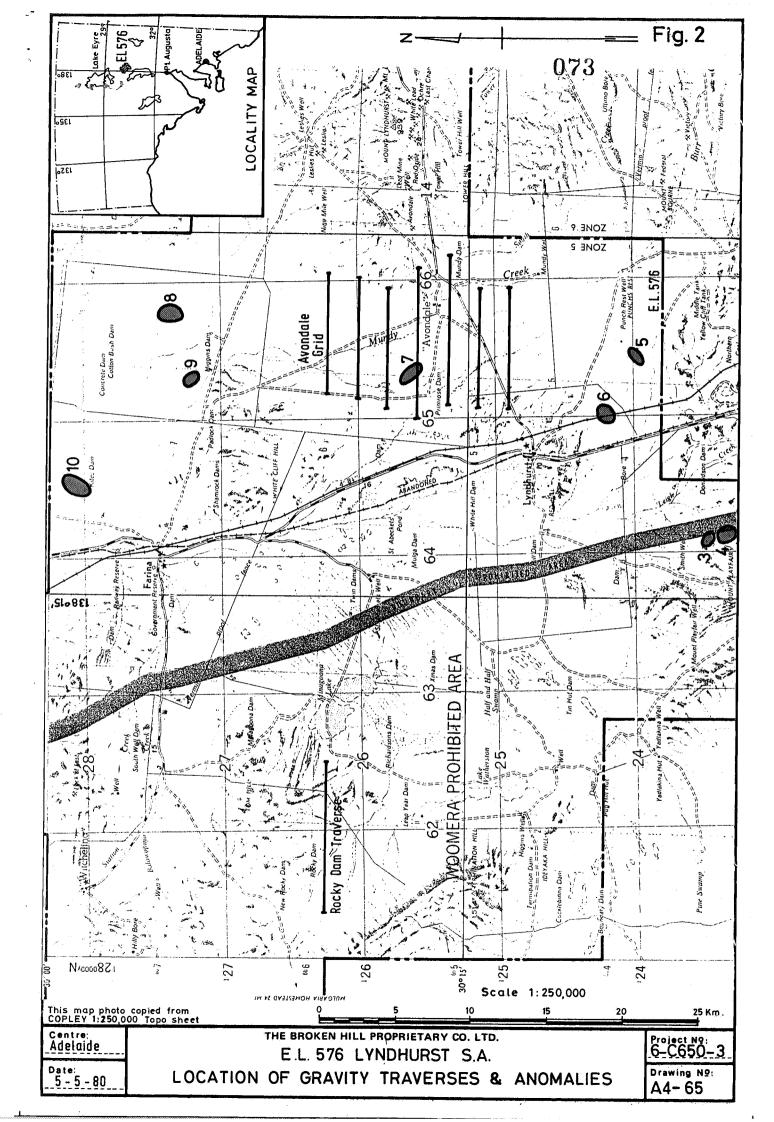
#### 4. EXPENDITURE

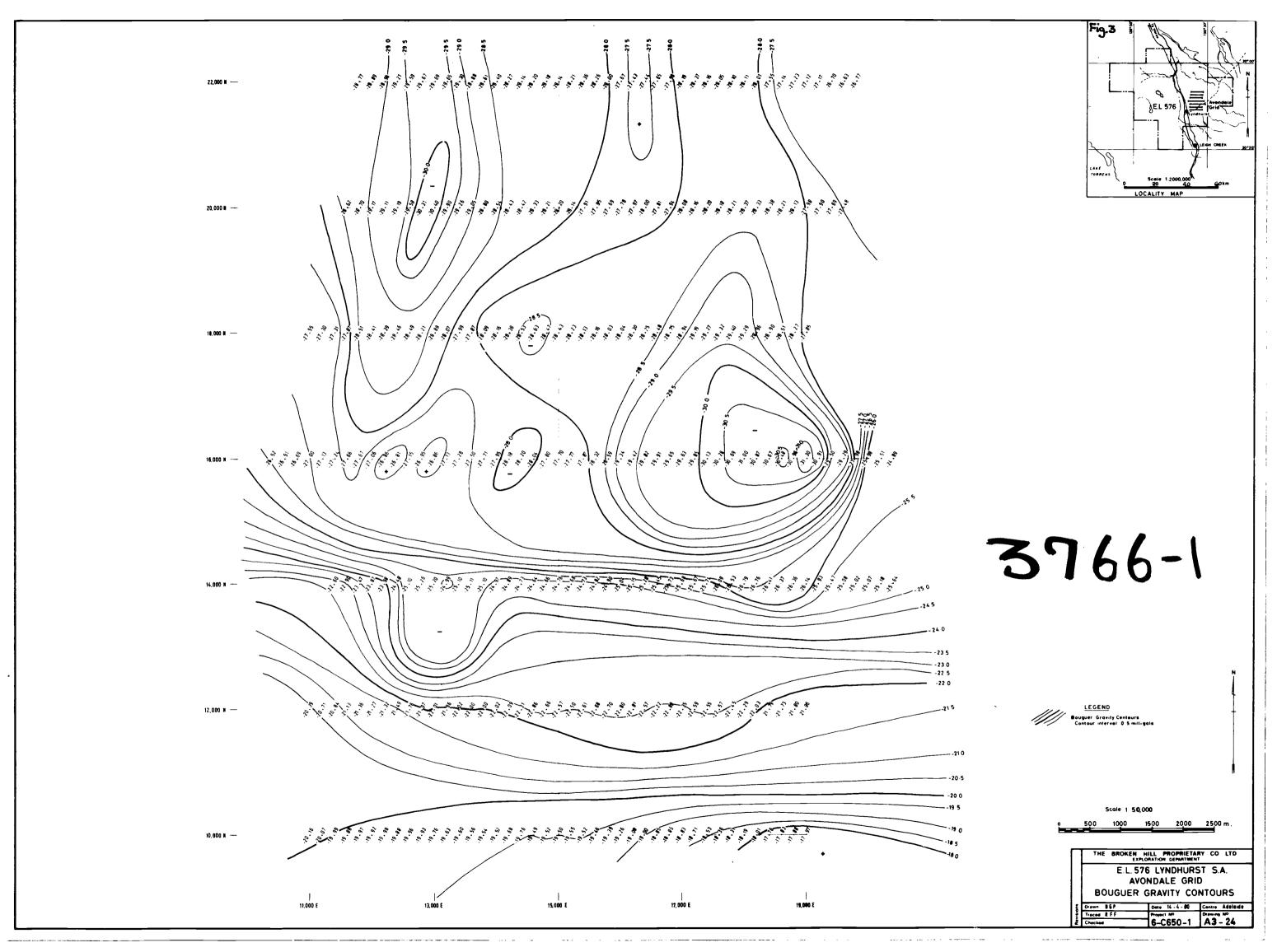
Expenditure debited to E.L. 576 to 31st March, 1980 is:

Wages and Salaries Messing and Accommodation	\$ 813 373
Fares and Mobilisation	28
Transport	134
Other Items	23
	\$3,568

This report is submitted to the Department of Mines and Energy as required by Condition 4 of Exploration Licence 576.







# EXPLORATION LICENCE 576 LYNDHURST, SOUTH AUSTRALIA REPORT FOR THE QUARTER ENDED 16th OCTOBER, 1980

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#### LYNDHURST, SOUTH AUSTRALIA

REPORT FOR THE QUARTER ENDED 16th OCTOBER, 1980

#### 1. GENERAL STATEMENT

Exploration Licence 576 was taken up primarily to test the diamond potential of the area. Subsidiary interests are the potential for base metals and coal. Exploration continued during the quarter with ground magnetics and stream sampling.

#### 2. TITLES

Exploration Licence 576 of 2,864 square kilometres, was granted to Dampier Mining Company Limited on 16th January, 1980 for six months. Figure 1 shows its location. The exploration licence was renewed for a further six months to 16th January, 1981. It is proposed to reduce the area by 1,460 square kilometres during October, 1980.

# 3. FIELD INVESTIGATIONS

#### 3.1 Geophysics

# 3.1.1 Ground Magnetic Surveys

Ground magnetic surveys to delineate anomalies possibly due to kimberlite intrusions from the government aeromagnetic surveys on the Copley 1:250,000 sheet area, continued during the quarter. This work was generally carried out along north-south grid lines 200-250 metres apart, with readings every 10 metres. Figure 2 shows the location of the anomalies.

# 3.2 Sampling

Twenty-seven stream samples were collected from the exploration licence during the quarter, using a helicopter for access. These samples were sent to our laboratory for heavy mineral concentration and for observing for kimberlite indicator minerals. Figure 3 shows sample locations.

# 4. PROPOSED WORK

During the next quarter, it is proposed to drill the aeromagnetic anomalies which have been delineated on the ground. Any positive indicator minerals from samples collected in the last quarter will be followed up.

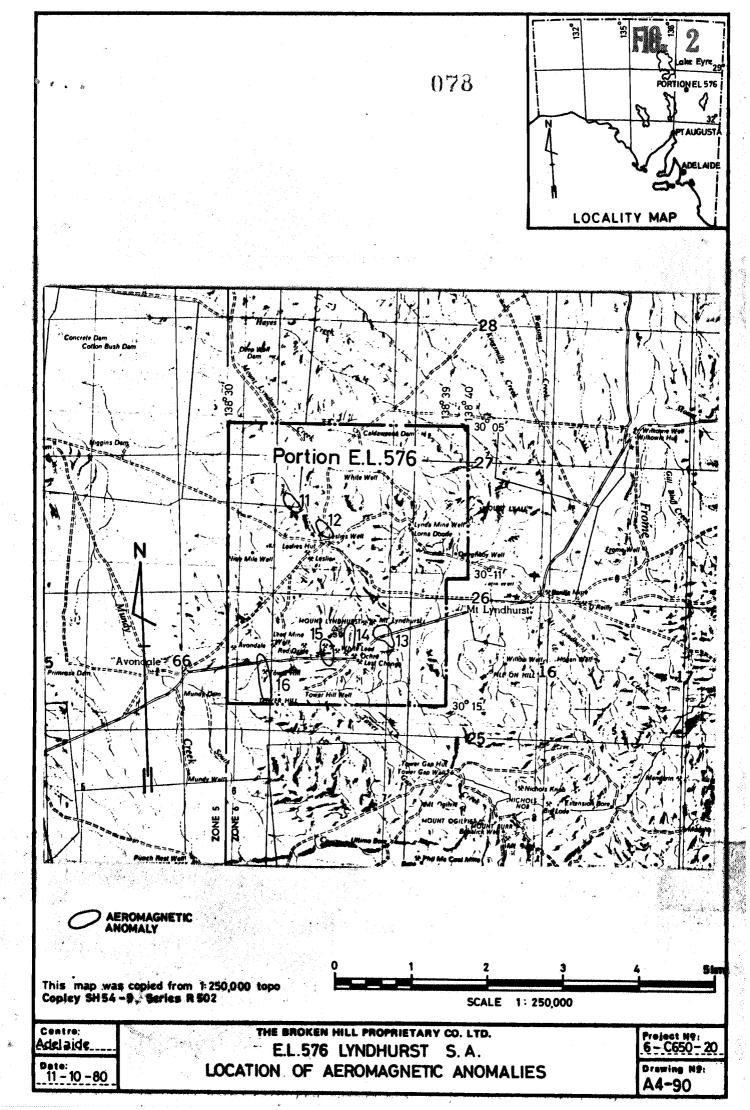
# 5. EXPENDITURE

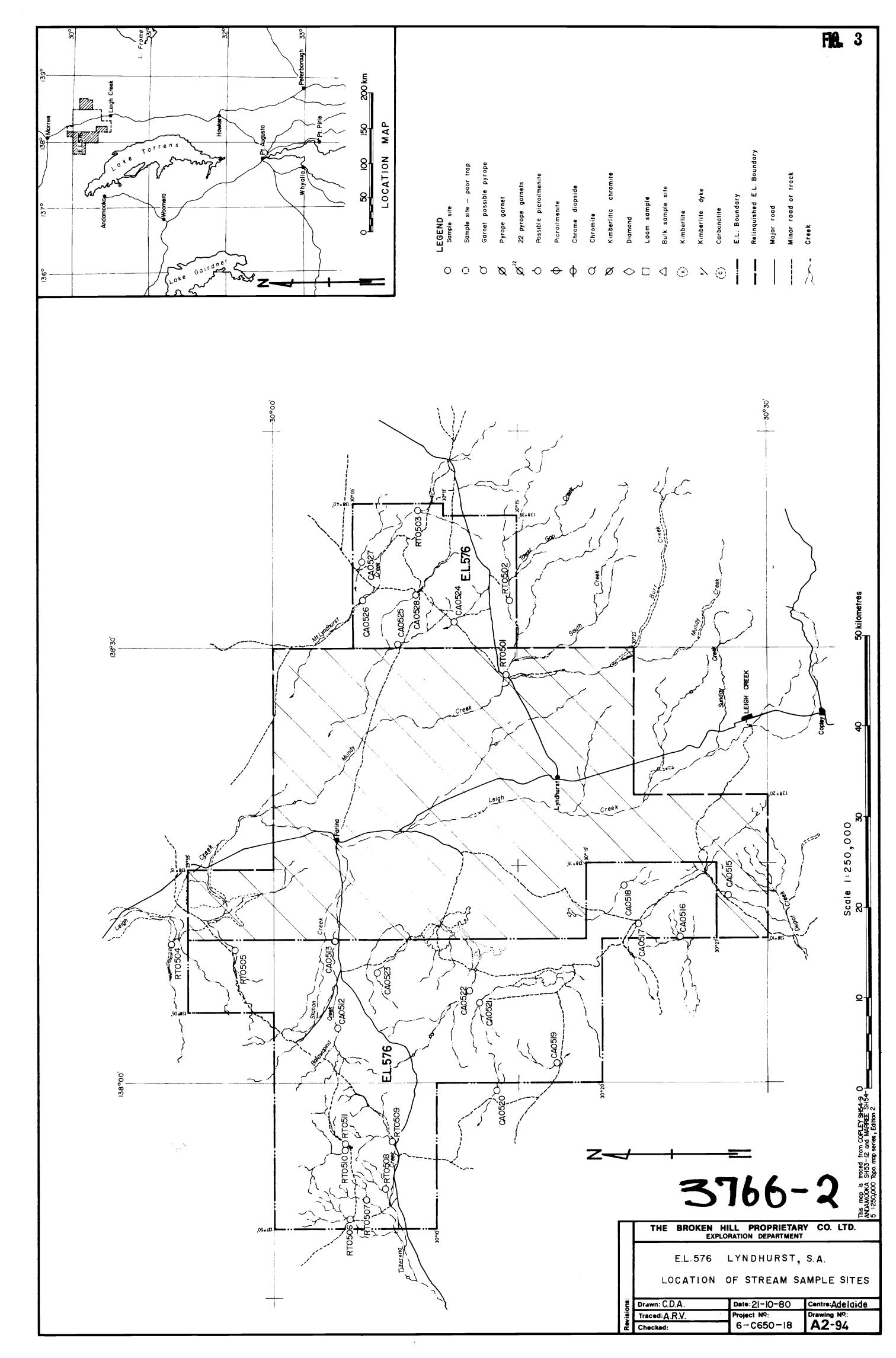
Expenditure debited to E.L. 576 during July, August and September, 1980, was:

Wages and Salaries	\$ 2,924	
Messing and Accommodation	1,506	077
Fares and Mobilisation	381	UII
Drilling	1,544	
Transport	856	
Surveying/Aerial Photographs	68	
Sample Analysis	107	
Geophysics/Geochemistry	818	
Occupancy/Location expenses	7	
Capital Items	621	
A Company of the Comp	\$ <u>8,832</u>	

Total expenditure to 30th September, 1980, was \$ 42,229

This report is submitted to the Department of Mines and Energy as required by Condition 4 of Exploration Licence 576.





EXPLORATION LICENCE 576

LYNDHURST, SOUTH AUSTRALIA

REPORT FOR THE QUARTER ENDED 16TH JULY, 1980

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#### EXPLORATION LICENCE 576

#### LYNDHURST, SOUTH AUSTRALIA

#### REPORT FOR THE QUARTER ENDED 16TH JULY, 1980

#### 1. GENERAL STATEMENT

Exploration Licence 576 was taken up primarily to test the diamond potential of the area. Subsidiary interests are the potential for base metals and coal. Exploration continued during the quarter with ground magnetics and drilling.

#### 2. TITLES

Exploration Licence 576 of 2,864 square kilometres, was granted to Dampier Mining Company Limited on 16th January, 1980 for six months. Figure 1 shows the location of the licence.

#### 3. FIELD INVESTIGATIONS

#### 3.1 Geophysics

#### 3.1.1 Ground Magnetic Surveys

Ground magnetic surveys to delineate anomalies possibly due to kimberlite intrusions from the Government aeromagnetic surveys on the Copley 1:250,000 sheet area, continued during the quarter. This work was generally carried out along north-south grid lines 200 to 250 metres apart with readings every 10 metres. Figure 2 shows the location of the anomalies.

#### 3.2 Drilling

#### 3.2.1 Coal Program

Following a gravity survey in the Avondale Homestead area, eleven holes were drilled and one re-drilled to test the gravity lows in the area for a possible repetition of the Leigh Creek Triassic basin. Drilling was carried out by Whiteland Drilling Pty. Ltd., of Perth, using a Bourne 1000 rig. A total of 969.55 metres was completed including 7.35 metres of coring. Figure 3 shows the location of the drill holes.

#### 3.2.2 Kimberlite Drilling

Two of the aeromagnetic anomalies located by the ground surveys were tested by drilling. This drilling was also carried out by Whiteland Drilling using the Bourne 1000 rig. Figure 2 shows the location of these drill holes.

#### 3.3.3 Drillhole Summary

Hole	Depth (metres)
AV 1	84
AV 2	108
AV 3	98
AV 4	72
AV 5	70
AV 5 AV 6 AV 6A	96 94.8
AV 7	102
AV 8	84
AV 9	36.75
AV 10	42
AV 11	82
L 1	46
L 2	28
L 3	32
L 4,	5.70
Total Drilling	1081.25

#### 4. RESULTS OF INVESTIGATIONS

#### 4.1 Geophysics

#### 4.1.1 Ground Magnetic Surveys

The results of the ground magnetic surveys show that only two of the eight anomalies examined require drilling to explain their source.

#### 4.2 Drilling

#### 4.2.1 Coal Program

AV1, AV2 and AV3 were drilled on a large, roughly circular gravity low feature centred on Avondale H.S. AV1 intersected 40m of Tertiary sediments then weathered shaley sandstone. AV2 and AV3 intersected the shaley sandstone a few metres from the surface. The sandstone is thought to be of Burra age. The circular gravity low is due to an anticline of folded Burra Group sediments with a core of sandstone and an annulus of dolomite.

AV4 and AV5 were drilled on a weak north-south linear gravity low and both intersected a thick (to 70m) section of Tertiary sands and clays. AV4 intersected 4m of mildly carbonaceous siltstones and sandstones. The gravity feature is probably due to a Tertiary channel incised in the bedrock.

AV6, AV7 and AV8 were drilled to test a moderately strong north-south gravity low. Both AV6 and AV7 intersected grey to dark grey carbonaceous sandstones and siltstones at about 70m below a Tertiary section of sandstones with some coarser bands and lenses of clays and siltstones. AV8 was drilled midway between AV6 and AV7 to obtain a core of the carbonaceous sequence. However, the Tertiary sequence is much thicker, with a gravelly conglomeratic

085

sandstone replacing the carbonaceous sandstone. AV6A was drilled 10m from AV6 but again a Tertiary sequence filled an erosion channel in the carbonaceous sequence.

AV9, AV10 and AV11 were drilled on the same section as AV7 to delineate the shape of the channel and to obtain more information on the carbonaceous sequence. AV9 hit weathered bedrock a few metres from the surface whereas the weathered bedrock is interpreted as being at 20m in AV10. AV11 intersected almost the same sequence as AV7 (See Figure 4).

Carbonaceous material from AV6 and AV7 was sent for possible palynological examination. However the samples were highly carbonized and therefore interpreted as possibly of Cambrian age or older.

The gravity low is therefore again interpreted as being due to a channel filled with Tertiary sediments.

#### 4.2.1 Kimberlite Drilling

L4 drilling Anomaly 1 intersected dolerite but L1, L2 and L3 drilling Anomaly 2 failed to locate a source to the anomaly.

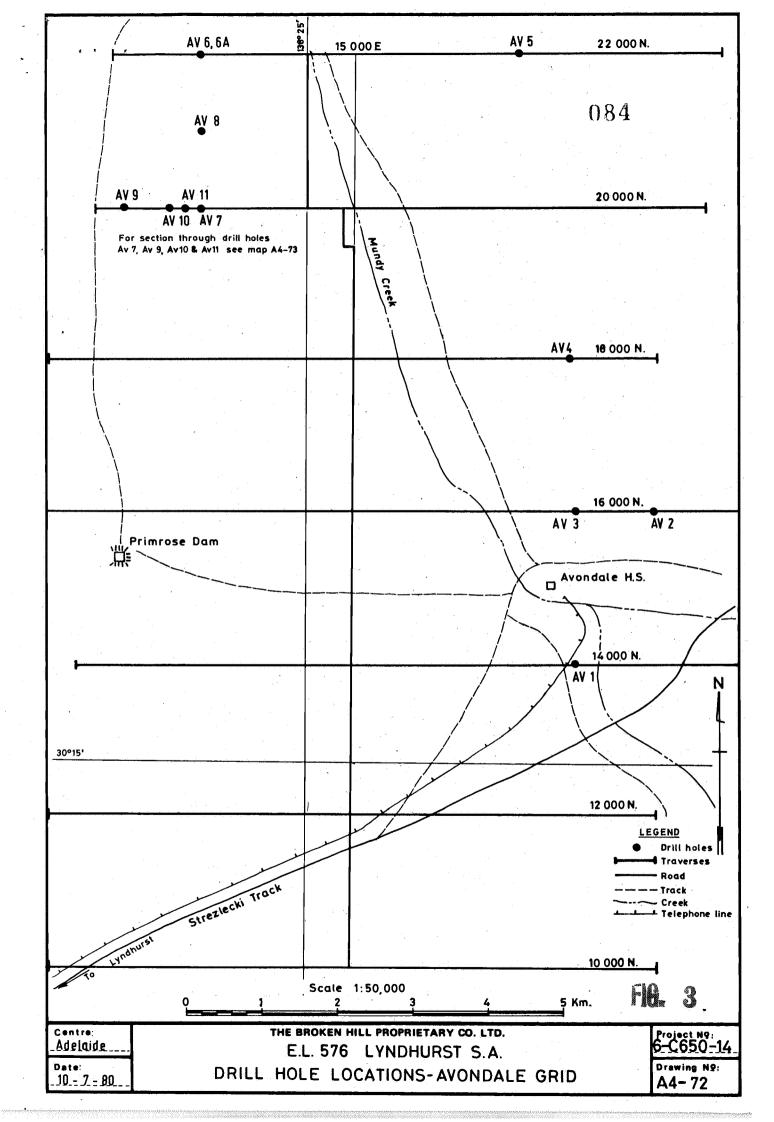
#### 5. EXPENDITURE

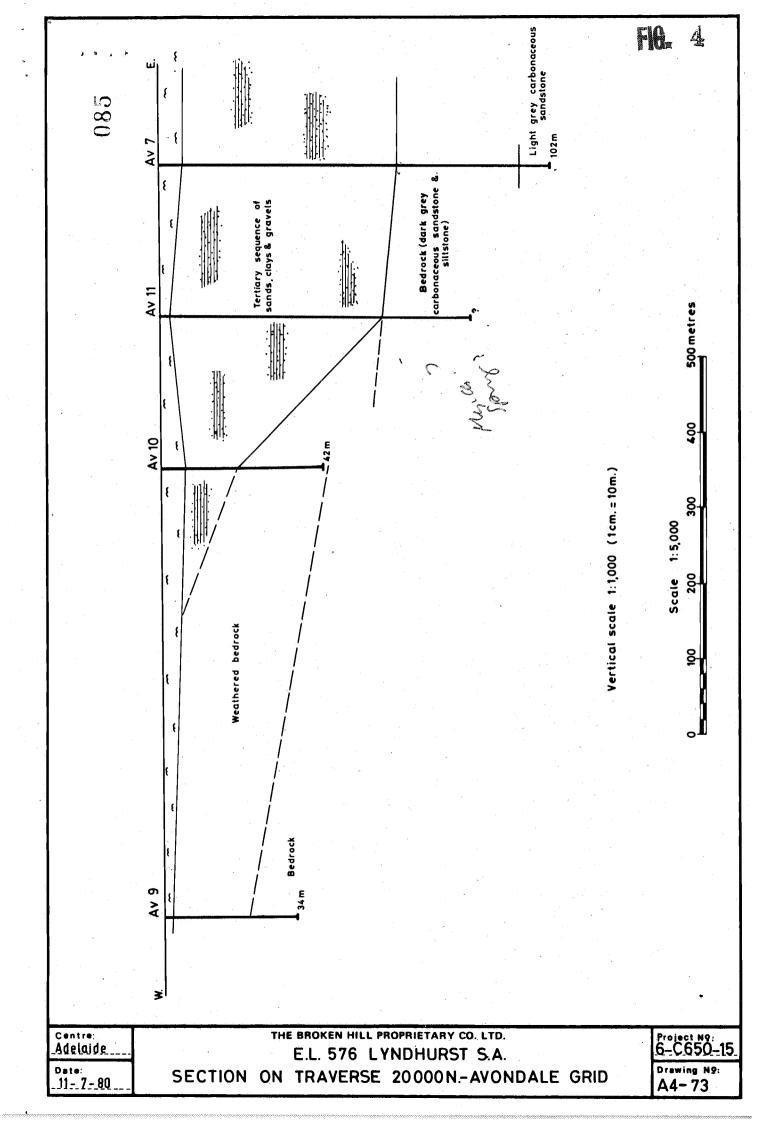
Expenditure debited to E.L. 576 during the three months April, May and June, 1980, was:

Wages and Salaries Messing and Accommodation	\$7,302 829
Fares and Mobilisation	421
Drilling	9,682
Transport	1,640
Surveying/Aerial Photographs	220
Geophysics	8,196
Sample Analysis	156
Occupancy/Location Expenses	309
Capital Items	1,074
	\$29,829

Total expenditure to 30th June, 1980 is \$33,397.

This report is submitted to the Department of Mines and Energy as required by Condition 4 of Exploration Licence 576.





# EXPLORATION LICENCE 576 LYNDHURST, SOUTH AUSTRALIA

FINAL REPORT

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  - 3.2 Exploration for Diamonds
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    - 3.2.2 Sampling
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- 5. CONCLUSIONS
- 6. EXPENDITURE

#### Table 1: Results of Drilling

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- 1. Drilling Sheets
- 2. Coal Exploration
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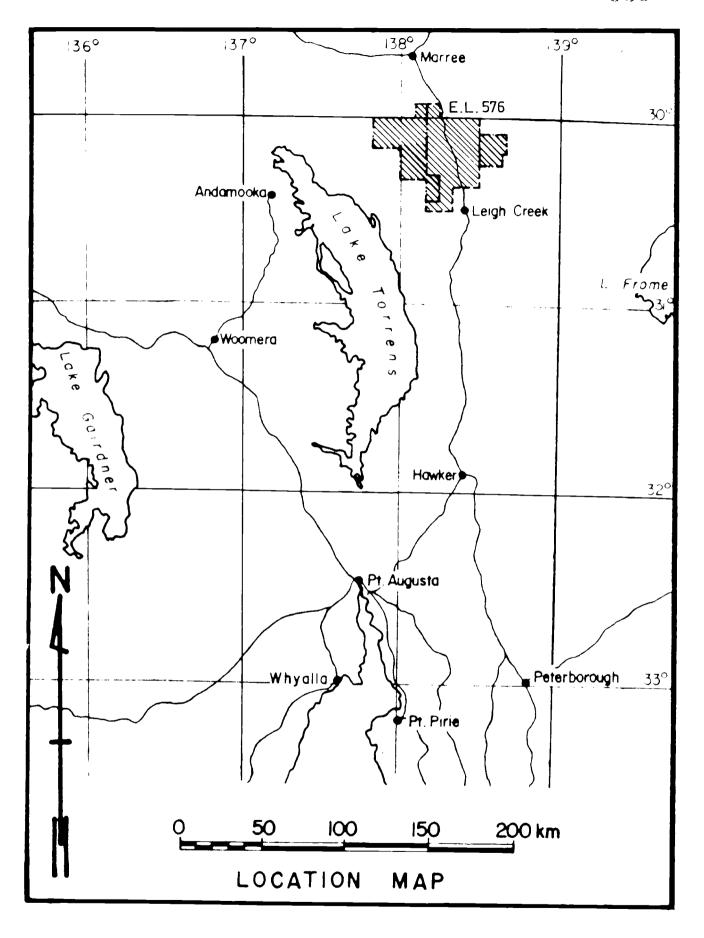
1. EL 576 Lyndhurst, S.A. Location of Stream Samples, Drillholes and Aeromagnetic Anomalies

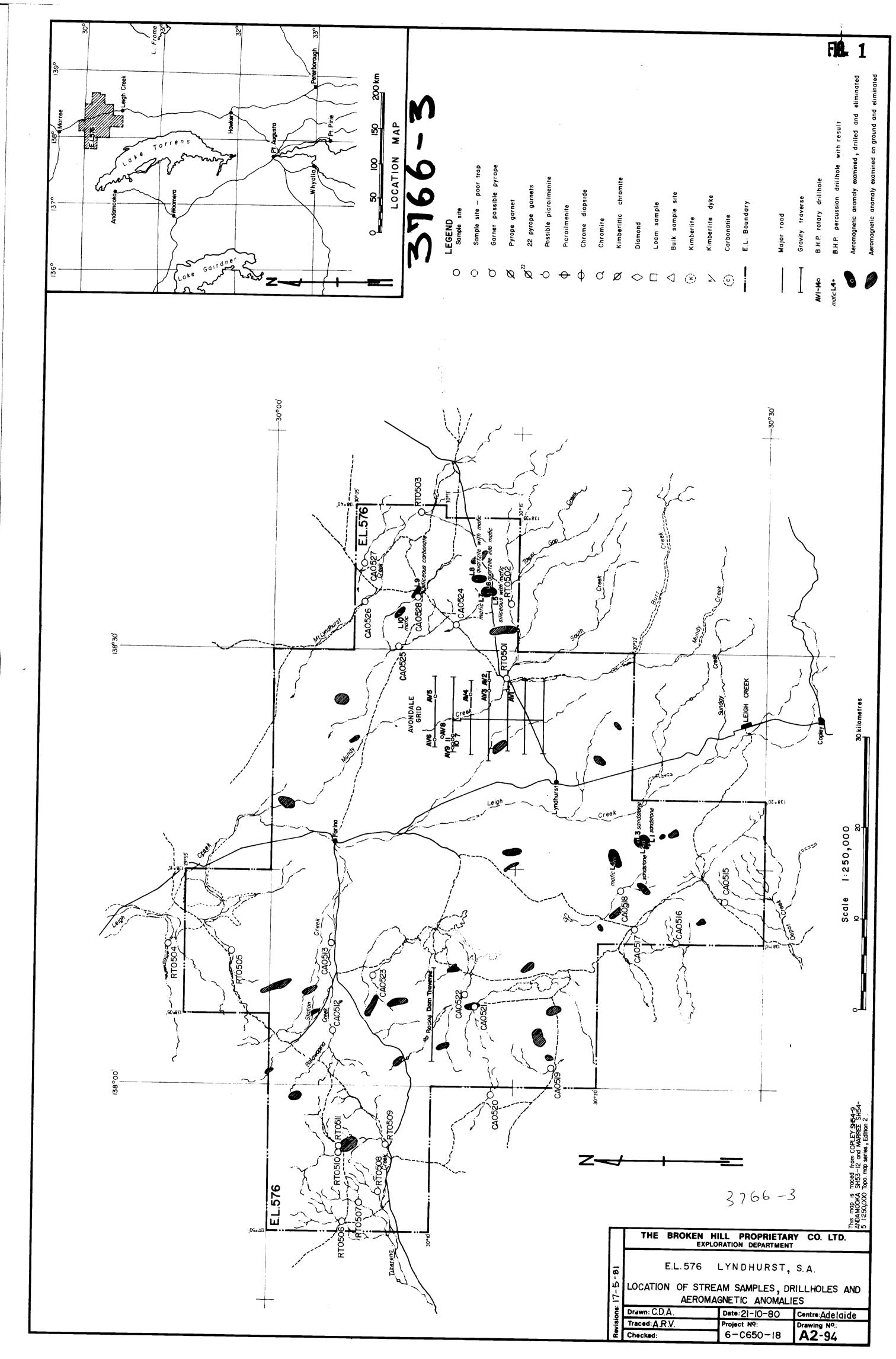
A2-94

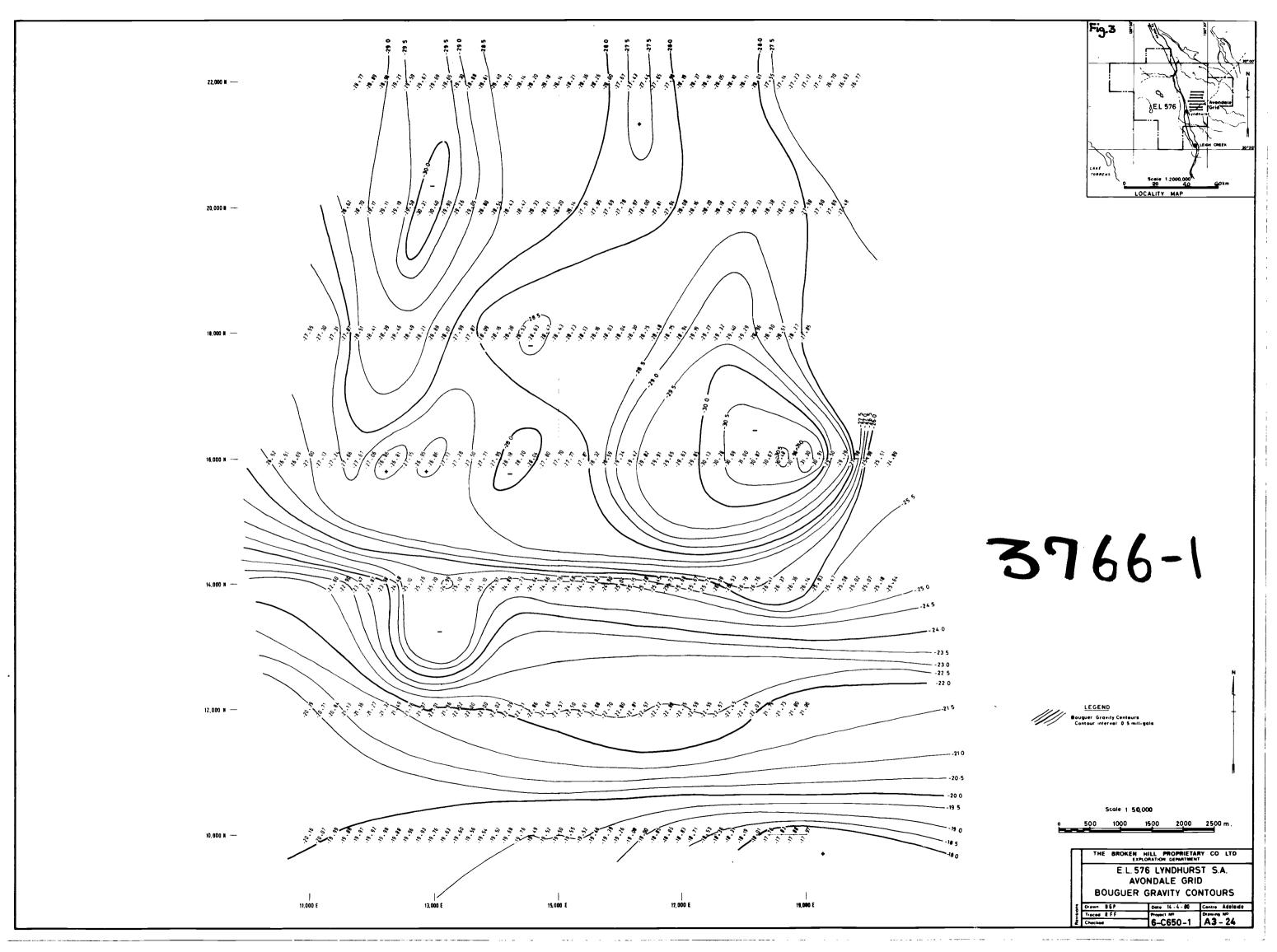
(Rest of maps, see Goal exploration)

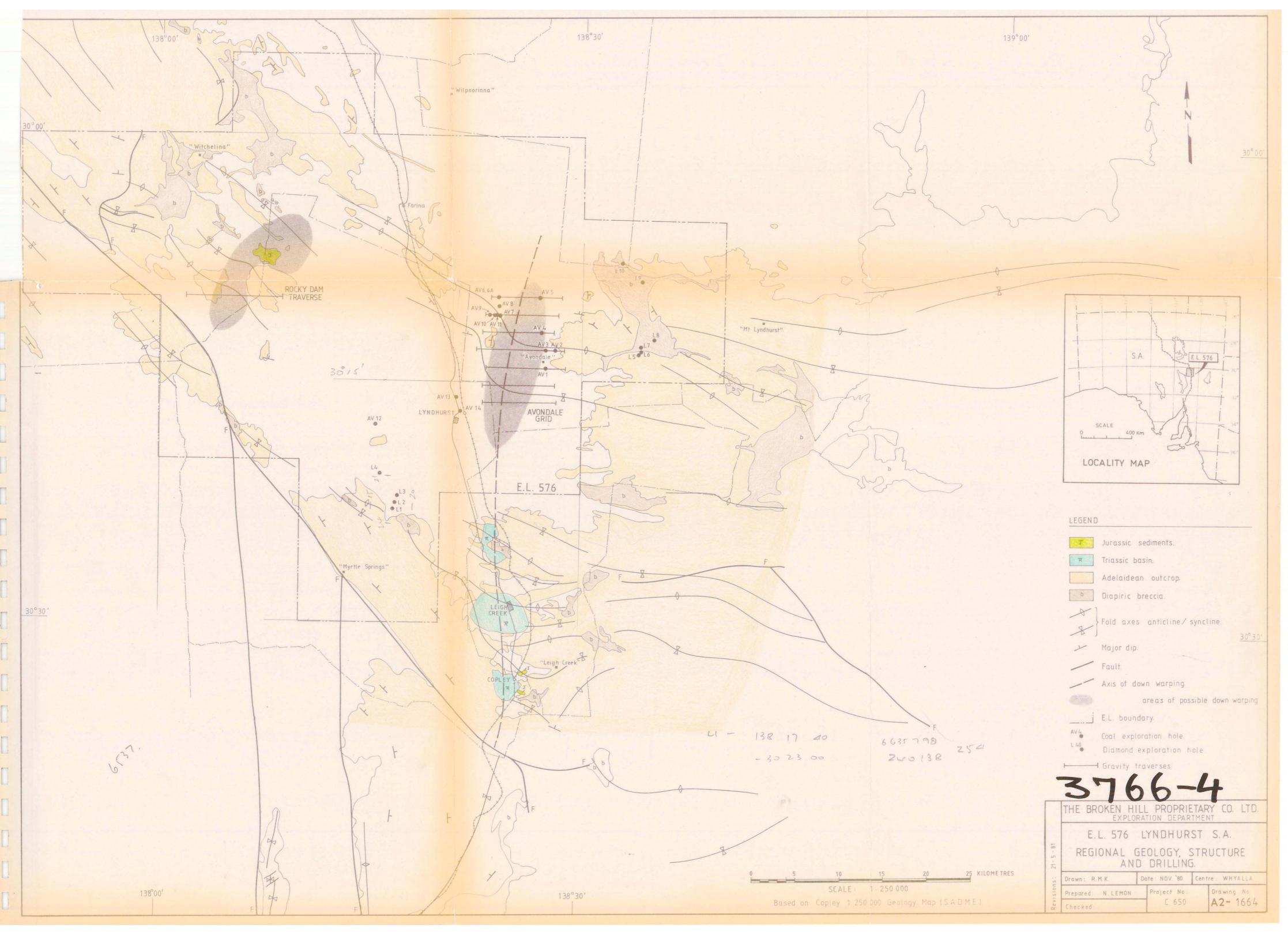
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#### 1. GENERAL STATEMENT

Exploration Licence 576 was taken up primarily to test the diamond potential of the area. Subsidiary interests were the potential for base metals and coal.

Exploration methods used were ground magnetic surveys, gravity surveys, stream sampling and drilling.

#### 2. TITLES

Exploration Licence 576 of 2,864 square kilometres was granted to Dampier Mining Company Limited on 16th January, 1980 for six months, and was renewed for a further six months on 16th July, 1980. On 26th November, 1980, the area of the exploration licence was reduced to 1,404 square kilometres. Figure 1 shows its location. EL 576 expired on 16th January, 1981.

#### 3. FIELD INVESTIGATIONS

#### 3.1 Exploration for Coal

Coal exploration on EL 576 is described in detail in the report attached as Appendix 2. Fifteen holes totalling 1,112.85 metres were drilled on gravity targets to test for possible coal bearing Triassic basins. No Triassic coal was intersected.

#### 3.2 Exploration for Diamonds

Following interpretation of the BMR aeromagnetic surveys of the Copley, Andamooka, Curdimurka and Maree 1:250,000 sheets, some forty anomalies in the exploration licence were selected as possibly due to kimberlite intrusions. These aeromagnetic anomalies were tested in two ways: (1) those anomalies which occur in areas of drainage were located by carrying out ground magnetic surveys and tested, if warranted, by drilling, and (2) those anomalies which are in areas of good drainage were tested with a stream sediment sampling programme.

#### 3.2.1 Ground Magnetic Surveys

Ground magnetic surveys were carried out over sixteen anomalies. The surveys were carried out along north south grid lines, 200 to 250 metres apart, with readings every 10 metres. Figure 1 shows the location of these anomalies.

#### 3.2.2 Sampling

Twenty-seven stream sediment samples were collected from the exploration licence. These samples were sent to our laboratory in Perth for heavy mineral concentration and observing for kimberlite indicator minerals. A helicopter was used to provide access. Figure 1 shows their locations.

#### 3.2.3 Drilling

Six anomalies were tested by drilling, carried out by Preiss and Sons Pty. Ltd. using a Warman percussion rig. Ten holes (L1-L10) totalling 341.7 metres were drilled. Locations are shown on Figure 1. The holes were sampled at 2 metre intervals and the samples are stored in our core shed in Adelaide.

#### 4. RESULTS OF INVESTIGATIONS

#### 4.1 <u>Drilling</u>

The results of the drilling are summarised in Table 1. Drilling sample description sheets and analysis sheets are in Appendix 2. All the anomalies drilled can be explained by the presence of dolerite intrusions.

#### 4.2 Sampling

No kimberlitic indicator minerals were located in the stream samples.

#### 5. CONCLUSIONS

As the aeromagnetic anomalies selected are all due to mafic intrusions and as no Triassic coal was intersected in drilling, the exploration licence was allowed to expire on 16th January, 1981.

#### 6. EXPENDITURE

Expenditure incurred on EL 576 was:

Wages and Salaries	\$22,771
Messing and Accommodation	3,827
Fares and Mobilisation	1,799
Drilling	18,686
Transport	4,711
Surveying/Aerial Photographs	554
Geophysics	9,187
Occupancy/Location Expenses	390
Sample Analysis	1,333
Capital Items	1,695
Aircraft Charter	3,425
Plant Services	220
Tenement Fees, Licences etc.	2,201
Other Items	33
	\$70,832

This report is submitted to the Department of Mines and Energy as required by Condition 4 of Exploration Licence 576.



# RESULTS OF DRILLING

Hole No. Depth (m)		Results		
L1	48.0	Sandstone		
L2	28.0	Sandstone		
L3	32.0	Sandstone		
L4	5.7	Dolerite		
L5	58.0	Muddy sandstone		
L6	40.0	Quartzite		
L7	14.0	Mafic		
L8	48.0	Sandstone to mafic		
L9	38.0	Sandstone with limestone		
L10	30.0	Dolerite		
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# APPENDIX 1

## DRILLING SHEETS

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PROJECT No	<b>D</b> 39	0	
BOREHOLE No. Av	omali	17-	11



E BRONEN HILL ROPHIE ARY CO. LTD.

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R. N. Jho		
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THE BROKEN HILL PROPRIETARY CO. LTD.

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# **DRILLING SAMPLE DESCRIPTION**

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	AMPLE NUMBER	_	F001	TAGE	%	e sti	es	POCK	MINERALIZ	ATION	Chemical Tests	,
ALPHA PREFIX	NUMERICAL VALUE	Suf.		ТО	Recovery	Informa	C) If	TYPE	TYPE	Amount		SAMPLE DESCRIPTION
15 16 17	18 19 20 21 22 23	3 24	25 26 27 28 29 30		37 38 39	40	41 42	43 44 45 46	5			·
		<b> </b>	3 00		ay common mong							Brown sand soil & pebbles
······	• • • • • • • • • • • • • • • • • • • •	1					∮					white appsecus clay, pebbles
		· <del> </del>	5 00	14 00		ļļ.						White brown red early clay
		ļ	14 00	20 00							· · · · · · · · · · · · · · · · · · ·	white brain, red sords to clay white sords to re
		+	20 0	26 00	water water of the control of the co	05000000000000000000000000000000000000	No. Company					Light brown sandy clay:
	**************************************	ļ	26 0∞	28 00								Rink feldspathic quartz sandstone
••••••		<b></b>							*****************			
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J	***************************************								44 • • 5 • • • 6 • 5 • 5 • 5 • 5 • 5 • 5 •			
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REMARKS	-											

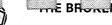
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SHEET No.

Nº 69561

	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	actions.
PROJEC	THE BROKEN HILL PROPRIETARY CO. LTD.  DRILLING HEADER    1 2 3   4 5 6 7 8 9   10 11 12 13   13 8 5 3   0 1 1 0   10   10   10   10   10	
	GENERAL LOCATION PUNCH IN EVERY CARD	
14 A	State   State	
	SPECIFIC LOCATION OF COLLAR	•
	Either EASTING   NORTHING   NORTHING   DEGREES   MINS.   SECONDS   SECONDS	
	REDUCED LEVEL 42 43 44 45 46 47 48  Feet - F 49  Metres - M  Grid Anandy 2  GRID  Complete this section if borehole is a continuation of a previous borehole.  Previous borehole no.	
	DRILLING DETAILS	
	80REHOLE No. 53 54 55 56 57 58 59 60  L3  SERIAL No. 61 62 63 64 65 66 67  Bits used  Drillers names	
14 B	COMPLETED   DAY   MONTH   YEAR   DAY   MONTH   YEAR   LOGGED BY   DRILLING UNIT   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   31   32   33   34   35   36   37   38   39   A1   42   43   44   45   46   47   48   49   50   A2   6   80   N   Lemon   Type of drilling   R	
	TOTAL DEPTH  51   52   53   54   55   56    32	
	Survey readings taken down the borehole	
14	BEARING   DEP.   DEPTH   DEPTH	
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THE BROKEN HILL TROPING ARY CO. LTD.

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## DRILLING SAMPLE DESCRIPTION

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SA	MPLE NUMBER		FOOT	rage	%	ation	es es	BOCK	MINERALIZ	ATION	Chemical Tests	
ALPHA PREFIX	NUMERICAL VALUE	Suf.	1.	то	Recovery	Availab		ROCK TYPE	TYPE	Amount		SAMPLE DESCRIPTION
15 16 17	18 19 20 21 22 2	3 24	25 26 27 28 29 30	31 32 33 34 35 36	37 38 39	40 4	11 42	43 44 45 46				
	********************		0,00	3 00								sandy, pebbles o gypeferous clay
	•••	,	3 ∞	6 00								Superferous chy, sand-pebble beds
			6 00	14 ∞								white sandy clay, red , orange patches
			14:00	16 00								Clay thick band red chyen sand
			18 00	18 00								Off white clay bonds orange clay
	· · · · · · · · · · · · · · · · · · ·		22 °∞	26 00								Of white to light brown sandy chy
			26 °00	32 °oo								Pink feldspathic sandsbre, clay bonds Pink feldspathic quartz sandstone
	con de constantes de constante											
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DEMARKS	*									<u> </u>		

REMARKS -

Date...... Logged by.....

PROJEC	No. D290  THE BROKEN HILL PROPRIETARY CO. LTD.  100  SHEET No. 456789 10111213	f
	DRILLING HEADER  B 1 1 113854 0110  BENERAL LOCATION  B 1 1 113854 0110	
14 A	State	
	SPECIFIC LOCATION OF COLLAR	
	EASTING   NORTHING   DEGREES   MINS.   SECONDS   SECONDS	
	REDUCED LEVEL  12 43 44 45 46 47 48  Metres – M  Grid Anomaly  GRID  50 51 52  Previous borehole is a continuation of a previous borehole.	· ·
	Previous header sheet no.	<del></del>
	BOREHOLE No.    SERIAL No.   COMPANY   G8   59   50   61   62   63   64   65   66   67     68   69   70   71   72   73   74   75   76   77	
14 B	CDMMENCED  DAY MONTH YEAR  5 16 17 18 19 20  6 80  COMPLETED  DAY MONTH YEAR  27 28 29 30 31 32 33 34 35 36 37 38 39  N. Lemon  Type of drilling  Type of drilling	
	TOTAL DEPTH    1   52   53   54   55   56     57   58   59   60   61   62     63   64   65   66   67   68     63   64   65   66   67   68     64   65   66   67   68     65   70   71   72   73     65   70   71   72   73     65   70   71   72   73     74     74     75   76   77     75   76   77     76   77     77   78     78   79     79   79     70   70     70   70     71   72   73     72   73     73   74     74     75   75     76   77     77     77     78   79     79     70     70     70     71     72     73     74     75     75     76     77     77     78     79     70     70     70     70     70     71     72     73     74     75     76     77     77     78     79     70	
	urvey readings taken down the borehole	
14	SEARING   DEP.   DEPTH   BEARING   DEP.   DEPTH   DEPTH	
С	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	

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PROJECT No. Dago
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THE BROKEN HILL PROPRIETARY CO. LTD.

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## DRILLING SAMPLE DESCRIPTION

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SA	MPLE NUMBER			FOOT	AGE		%	ation	SS	osite	ROCK	MINERALIZA	ATION °	Chemical Tests	
ALPHA PREFIX	NUMERICAL VALUE	Suf.	1		то		Recovery	₽ár			TYPE	TYPE	Amount		SAMPLE DESCRIPTION
15 16 17	18 19 20 21 22 2	3 24.	25 26 27 28	3 29 30	31 32 33 3	4 35 36	37 38 39	40 4	11 42	2 43	44 45 46	*			
			0		ລ										Sond, clay, gypsum o pebbles Green clay, weathered do lerite Pale green-green weathered do lerite
				<b>.</b> 00	ľ	•70	1		· · · ·						Pala and alabita
		1		•		•	Jambanna								Pose green secretor objetite
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REMARKS -

SHEET No.

Nº 69563

Survey readings taken down the borehole

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BEARING DEP. DEPTH	BEARING (	DEP. DEPTH	BEARING DEP.	DEPTH BEAR	RING DEP. DEPTH	BEARING DEP.	- DEPTH
15 16 17 18 19 20 21 22 23	24 25 26 27 28	29 30 31 32 33 34 35 36	37 38 39 40 41	42 43 44 45 46 47 48 49	9 50 51 52 53 54 55 56 57	58 59 60 61 62 63	64 65 66 67 68 69
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REGION LYNDAUR	.7
PROJECT No. D290	
BOREHOLE No.	5

					HE	ET N	lo,	2	<b>6</b>			542		
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								ij	i.		L	ل (	)	_

15 16 17 18 19 20 21 22 23			F001	TAGE	%	Ė	Cate les 	ROCK	MINERALI	ZATION	Chemical Tests	
PREFIX	NUMERICAL VALUE	UF	FROM	ТО	RECOVERY	Ava		· TYPE	TYPE	AMOUNT		SAMPLE DESCRIPTION
		24			37 38 39	40	41 42	43 44 45 46				Surface rock - fire praviacel
ADL	7154	-	0	2 m	<u> </u>	H	+			1		Surface rock - fire framed 851
-	7155		2	Hm		H	+			<del> </del>		
	7156		<u> </u>	6 m	_	H				1	<u> </u>	James a ette supra
	7157	$\dashv$	6	S m.	<u> </u>	H	$\dashv$					rock. Stopul reaction
	7158	4	<b>*</b>	10 m.		H	+		1			unto Aciel but mainly
	7159		10	12 m		H	-				ļ	a modely set.
	7160	_	12.	الله بعد	<u> </u>		_			<u> </u>		\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	1161	_	•									CONTROL.
	7162	_	14 *	16 M			_			<u> </u>		
$\rightarrow$	7163	_	16	18 n			_					
	7164		18	201			_			ļ		
	71.65		20 •	22 •	-							
	71 66		22 •	24		Ш						phoe
	7167		24 .	26 .		Ц						Alampt change to white for rock. Stone reaction with the possible date middly self- thirty bedded
	7168		26 🛉	28								rock. Stant reaction with
	71 19		28	30 •								for possible dolo mate
	7170		30 •	32							7	I time wanted muddly
	7171		32	34							` (	sgl- thirty hadden
~~~>	7172		34	36	_						ر ا	No and reactions
	71 73		76	38.								Indé/ fran dolon l'i
	71 74		38	40	*							Sol- Harty hadden No and reactions    Mode from dolon 12
	71 75		40	42.								Muldy day Sediment.
	7176		42	44			$\top$					

REMARKS -

Date 21th Novembre & Logged by Chilay W

SHEET Nº 122802

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REGION LYN HELLS	
PROJECT No	
BOREHOLE No.	45

HE, SHEET No.

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1	MPLE NUMBER		F00°	TAGE	%	į.	88. 88.	osite	ROCK	MINERALIZ	ZATION	Chemical Tests	·
ALPHA PREFIX	NUMERICAL SU VALUE SU		FROM	ТО	RECOVERY	Ava		割	TYPE	TVOE			SAMPLE DESCRIPTION
15 16 17	18 19 20 21 22 23 24	4	25 26 27 28 29 30	31 32 33 34 35 36	37 38 39	40	41 4	12	43 44 45 46	TYPE	AMOUNT		Questo / heads as I day
	7177	$\downarrow$	44	46.	<u> </u>	Ц		1		<u> </u>			Incl camer.
	7178	1	46	48		Ц	_	$\perp$					( Cen in com / white
	7179	4	48 •	50			$\perp$	1					Shorter reading & Plannel
	7180	1	50	52 •									1 No reaction to HEC.
	718)	$\downarrow$	52	54								Leverel fragments	
	7182		<u> </u>	56									1 guarts
>	7183	1	<u>56 •</u>	58			$\perp$	1					Hoth day content.
	-2184	4	-56	( • • • • • • • • • • • • • • • • • • •	·	Ц	$\perp$	$\bot$					Don'el Stuck al-
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DEMARKS	-												

REMARKS -

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14	SAI	MPLE NUMBER		25 26 27	Analysis 28 29 30	31 32 33	Analysis 34 35 36	37 38 39	Analysis 40 41 42	43 44 45	Analysis 46 47 48	49 50 51	Analysis 52 53 54	55 56 57	Analysis	Analy 61 62 63 64 65	cie	Analysis
0	ALPHA	NUMERICAL	Suf	Cu		Pb		Zn		Ni		θ		Nb				
14	PREFIX 15 16 17	VALUE 18 19 20 21 22 23		ANAL		ANAL			LYSIS	ANA L			LYSIS 52 53 54		LYSIS 58 59 60	ANALYSIS 61 62 63 64 65		VALYSIS
2		7177		89		16	[04]00]00	8	140 141 142	12	<u>40147 148</u> ″	9C	بنبوالك النظام التكوامة		128129190	61 162 163164165	166167168	69 70 71 72
2		7178		<b>Q</b> €		8		a		12		8	f. : : : : : : : : : : : : : : : : : : :	-	. ***************	***************************************		
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14	Day Mo			E ANALY [24]25[26]		PPM WT %	— M 6— W	30 S	SAMPLING METHOD	1 2 31 32	<b>3</b> 33 S	<b>AMPLE</b> REPARA	TION 34	35	ANALYSIS SCHEME	36[37]	FRACT SCHEM	ION 38139

PROJEC	THE BROKEN HILL PROPRIETARY CO. LTD.  DRILLING HEADER  SHEET NO.  107  10111213  B 1 1 113957 0 1 1 0  PUNCH IN EVERY CARD
14 A	State S, AUSTRALMA Region LINDHURST Zone Zone
	SPECIFIC LOCATION OF COLLAR
	EASTING  22 23 24 25 26 27 28 29 30 31  Either    Columb
	REDUCED LEVEL 42 43 44 45 46 47 48  Metres – M  Grid MAR AN SMALY  Grid MAR AN SMALY  GRID 50 51 52  Previous borehole is a continuation of a previous borehole.
	DRILLING DETAILS
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14 B	COMMENCED   COMPLETED   DAY MONTH YEAR   DAY MONTH YEAR   21 22 23 24 25 26   27 28 29 30 31 32 33 34 35 36 37 38 39   40   41 42 43 44 45 46 47 48 49 50   40   41 42 43 44 45 46 47 48 49 50   40   41 42 43 44 45 46 47 48 49 50   40   41 42 43 44 45 46 47 48 49 50   40   41 42 43 44 45 46 47 48 49 50   40   41 42 43 44 45 46 47 48 49 50   40   41 42 43 44 45 46 47 48 49 50   40   41 42 43 44 45 46 47 48 49 50   40   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 49 50   41 42 43 44 45 46 47 48 48 49 50   41 42 43 44 45 46 47 48 48 49 50   41 42 43 44 45 46 47 48 48 48 48 48 48 48 48 48 48
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SAMPLE NUMBER FOOTAGE										<u> </u>			7 100
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REMARKS -

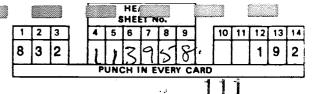
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PROJEC	T No
14 A	State S. AUSTRALA Region LYUST Zone Zone
	SPECIFIC LOCATION OF COLLAR
	Easting   Northing   Seconds   Secon
	REDUCED LEVEL 42 43 44 45 46 47 48  Metres – M  Grid MAC, Anomaly  Previous borehole is a continuation of a previous borehole.  Previous borehole no.  Previous header sheet no.
	DRILLING DETAILS    SOREHOLE No.   SERIAL NO.   G1   G2   G3   G4   G5   G6   G7   G8   G9   70   71   72   73   74   75   76   77
14 B	COMMENCED   COMPLETED   DAY   MONTH   YEAR   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   31   32   33   34   35   36   37   38   39   20   21   22   23   24   25   26   27   28   29   30   31   32   33   34   35   36   37   38   39   20   20   20   20   20   20   20   2
	TOTAL DEPTH  51   52   53   54   55   56    1   1   2   53   54   55   56    1   2   53   54   55   56    1   3   54   55   56    1   4   5   57   58   59   60   61   62    1   5   5   5   5   5   5   5   5   60   61   62    1   5   5   5   5   5   5   5   5   5
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PROJECT	No	D	29	೦ .	• • • • • • • • • •	
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Chemical SAMPLE NUMBER **FOOTAGE** ROCK **MINERALIZATION** NUMERIC AL VALUE TYPE TO SAMPLE DESCRIPTION FROM TYPE **AMOUNT** 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 7205 7206 7207 gray pouder highly magnatice. Prossibly diesete. or grand dionte 7205 7210 10 7211 12 7212

REMARKS -

Date 22 ~ Nov So Logged by C. Blaylor

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·	ALPHA PREFIX	NUMERICAL VALUE	ر ANAI	LYSIS	Po	YSIS	Z <sub>O</sub>	LYSIS	ANAL	/SIS	Co ANA	LYSIS	NA	LYSIS	ANA	LYSIS	ANAL	YSIS
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Westerna Control	
PROJECT	THE BROKEN HILL PROPRIETARY CO. LTD.  113  SHEET No. 456789 10111213 113059
	GENERAL LOCATION DRILLING HEADER  B 1 1 1 113959 0 1 1 0  PUNCH IN EVERY CARD
14 A	State   State   15   16   16   17   18   19   20   21
	SPECIFIC LOCATION OF COLLAR
	EASTING  22 23 24 25 26 27 28 29 30 31  Either    Condition   Cond
	REDUCED LEVEL 42 43 44 45 46 47 48  Metres – M  Grid MAC ANOUALT  GRID 50 51 52  Previous borehole is a continuation of a previous borehole.  Previous borehole no.  Previous header sheet no.
	DRILLING DETAILS
•	BOREHOLE No. SERIAL No. 61 62 63 64 65 66 67  LS  BOREHOLE No. 61 62 63 64 65 66 67  Borehole No. 61 62 63 64 65 66 67
14 B	COMPLETED   DAY   MONTH   YEAR   DAY   MONTH   YEAR   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   31   32   33   34   35   36   37   38   39     July   11   Se   Type of drilling   Typ
	TOTAL DEPTH  51   52   53   54   55   56    4   6   6   6   6   6    True North — T  Adapted North — G  True North — T  Adapted North — G  Grid North — G
	Survey readings taken down the borehole
14 C	BEARING   DEP.   DEPTH

	BOREHOLE No.	)	جي ا
PROJECT	No. D29	0.	
REGION	LY DD+	NR	51

HEADER SHEET NO.

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8 3 2 1 3 9 9 10 11 9 2

PUNCH IN EVERY CARD

114

SA	MPLE NUMBER		EOO	TAGE	%	Τ.	2_	9	20.01			Chemical	
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REMARKS -			1,2	44	<u> </u>			<u> </u>					franced ign. inch . Alighty

REMARKS -

Date 29 -1 Nov . 80

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REGION STOUP OF
PROJECT No
BOREHOLE No. L.R.



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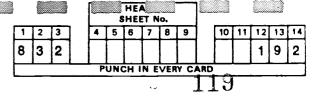
REMARKS -

Date 222 Nov. 80 Logged by C. Slayer

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Secretary control					
PROJECT	г No. D290	THE BROKEN HILL PROPRIED DRILLING HE			ET No. 7 8 9 10 11 12 13 0 1 1 0
	GENERAL LOCATION	Ditte in to	INDEN	PUNCH IN	EVERY CARD
14 A	State S. AUSTERUM State 15 16 Region	LYND HURST	Region 17 1B Zone	<i></i>	118 Zone 19 20 21
	SPECIFIC LOCATION OF COLLAR				-
	EASTING 22 23 24 25 26 27 28 29 30 31  Either	NORTHING 32 33 34 35 36 37 38 39 40 41 1 0 2 0 0 N		SEC ONDS DEGREES 32 33 34	LATITUDE   MINS.   SEC ONDS
		d Mag Menony [50] 51]	Previous borehole no.		vious borehgle,
	BOREHOLE No.  53 54 55 56 57 58 59 60  G1 62 63 64 65 66 6	COMPANY 68   69   70   71   72   73   74   75   76   77	Bits used		
14 B	COMMENCED  DAY MONTH YEAR  15 16 17 18 19 20  22 11 80  22 11 80	LOGGED 8Y 27 28 29 30 31 32 33 34 35 36 37 38	39 Type of drilli		DRILLING UNIT 2 43 44 45 46 47 48 49 50
	TOTAL DEPTH 51   52   53   54   55   56    36   57   58   59   60   61   62    36   57   58   59   60   61   62	DEPTH OF OXIDATION 63 64 65 66 67 68	Orientation 69 70 71 72 73 at collar 9 0	3	True North - T   74   Magnetic North - M   Grid North - G   74
14	Survey readings taken down the borehole    BEARING   DEP.   DEPTH   BEARING   DEP.   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   30   30   30   30   30   30   3	DEPTH BEARING DEP. 0 31 32 33 34 35 36 37 38 39 40 41 42	DEPTH   BEARING   DEP.   43   44   45   46   47   48   49   50   51   52   53	DEPTH BEARING 3 54 55 56 57 58 59 60 61	DEP. DEPTH 62 63 64 65 66 67 68 69

PROJECT No					
	BOREH	OLE No.	L	7	



SAMPLE NUMBER			F001	TAGE	%	Ė	cate es	ROCK	MINERALI	ZATION	Chemical Tests					
ALPHA PREFIX	NUMERICAL VALUE	SUF		то	RECOVERY	1 7	ر امت	TYPE	TYPE	AMOUNT		SAMPLE DESCRIPTION				
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71	72 61		4	ر ا								randed grains - Madrins				
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	72 47		16	18 •								1 calcute : reacted				
	1248		18.	20					·			1 with dily - HCR Hard				
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# APPENDIX 2

E.L. 576 LYNDHURST S.A.

COAL EXPLORATION

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2.	GEOLOGY OF THE LEIGH CREEK COALFIELD	2
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4.	DRILLING AND RESULTS	5
5.	RECOMMENDATIONS	7
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- 2. Structural Analysis
- 3. Gravity Traverse and Drill Hole Location
- 4. Borehole Locations/Bouger Gravity Contours
- 5. Gravity Profile and Geological Section along part of line 20,000N.

### <u>APPENDICES</u>

Appendix I - Palynological Examination of 2 Samples.

Appendix II - Detailed Geological Logs.

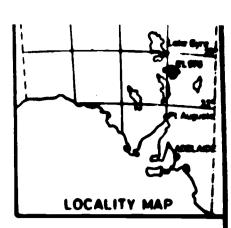
Appendix III - Underground Water.

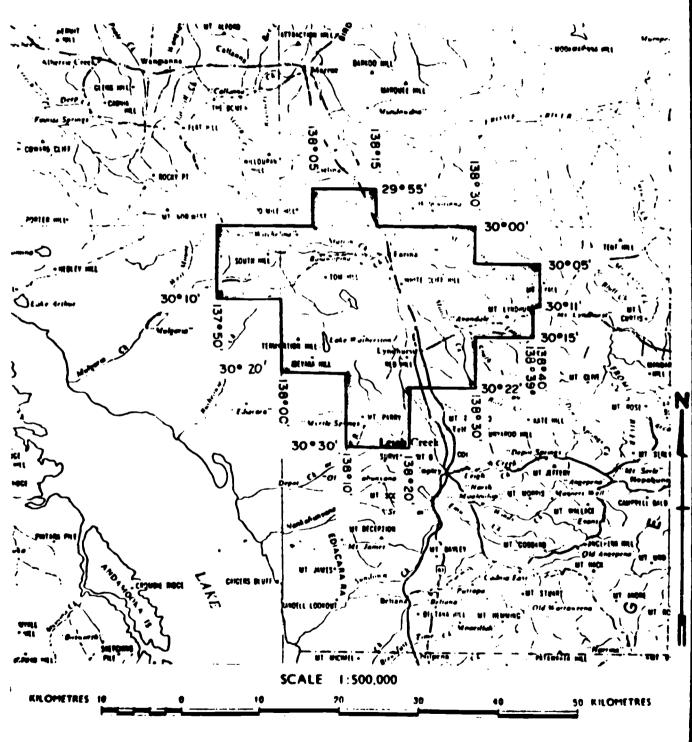
Appendix IV - Downhole Geophysical Logs.

#### ABSTRACT

Fifteen holes totalling 1,112.85m were drilled in the Lyndhurst E.L. 576 on gravity targets for possible coal bearing Triassic basins. Approximately 70 line kilometres of gravity traversing with readings every 200m was done as part of the programme. The only carbonaceous material intersected proved to be of Proterozoic age and so no further work is recommended.

13.3





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Centre Adelaide Date E.L. 576 LYNDHURST S.A.
LOCATION MAP

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### 1. <u>INTRODUCTION</u>

E.L. 576 was initially taken out for diamond exploration. It covers a large area of little outcrop to the north, north west and north east of Leigh Creek. Four small Triassic basins containing economic coal measures are known in the Leigh Creek area. Although much of the area of E.L. 576 had been previously explored for coal by the South Australian Department of Mines and Energy (S.A.D.M.E.) on behalf of the Electricity Trust of South Australia (E.T.S.A.), some parts of E.L. 576 remained untested and the rewards of a coal deposit so close to Leigh Creek were thought sufficient to justify additional exploration.

#### 2. GEOLOGY OF THE LEIGH CREEK COALFIELD

134

E.T.S.A. have been mining coal at Leigh Creek since 1948. Current production is in the order of 2 million tonnes per year and all of this is used for power generation at Port Augusta. A new power station is being constructed at Port Augusta and coal production at Leigh Creek will have to rise to 4.5 million tonnes to it and the existing power station.

The coal measures occur in four isolated basins of Triassic sediments. Initially deposition was over a wider area but the four known basins have been preserved by down warping of the underlying basement. The downwarping appears to have occurred both during and after the deposition of the coal measures.

The Triassic coal measures sit directly on folded Proterozoic (Adelaidean) sediments. The basin sediments range in age from mid Triassic to Middle Jurassic. Upper Jurassic fluvial sediments unconformably overlie the coal measures at Copley. Elsewhere Quaternary conglomerates, gravels, clay and alluvium cover the coal measures. Tertiary sediments are known further north.

Economically extractable coal occurred in B, C and D lobes with marginally economic coal in Lobe A. Lobes A and B are very deep structures whereas the coal in Lobe C is folded over a monocline. Lobe D is a very shallow basin and presented the best mining conditions. Lobe D has now been mined out with 23 million tonnes having been extracted at nearly 100% recovery.

Detailed drilling and exploration has been done over the known deposits and reasonably intensive exploration has been done to the north, north-west and north-east of Leigh Creek. A medium density gravity survey was done over the entire area, mainly on an ½ mile by ½ mile grid although the readings were "stretched" to a one mile by ½ mile grid further north.

The survey showed a distinct low over the deeper basins:-10 milligals over Lobe B and -4 milligals over Lobe A. A much weaker anomaly of -2 milligals occurs over Lobe C. There is vertically no anomaly, just a flattening of the gradient, over Lobe D.

### 3. DRILL SITE LOCATION

135

The target in mind in this programme was a "D Lobe" type deposit, i.e. shallow, easy to mine with a low overburden to coal ratio and with a very small associated negative gravity anomaly.

The likely areas of interest were selected by structural analysis of the underlying Proterozoic rocks. It is known that the Triassic sediments are preserved in downwarped areas. This downwarping disturbed the general trend of the Delamerian age folds which affected the Proterozoic sediments. Areas of diapiric breccia were also delineated during this analysis as these may affect the orientation of fold axes as well.

Fig. 2 shows a possible axis along which downwarping occurred. This axis is coincident with the known basins and a synclinal axis west of Beltona. This axis extends northwards past Avondale H.S. which is at the limit of the previous gravity survey. This previous survey showed the beginnings of a low on the extremity of the survey. (Pegum 1961)

Another area of possible downwarping was indicated by disturbed fold areas in the vicinity of Tom Hill, about 12 kilometres southeast of Witchelina H.S. The presence of possible Jurassic sediments in this area added weight to this possibility.

Seven lines of gravity were read over the "Avondale" Grid. The lines were spaced 2 kilometres apart and readings taken every 200m along each line. One line of gravity was read near Tom Hill with readings every 200m. The data and results from this work are written up and presented separately in an accompanying report. The data from the Avondale Grid are presented in summary form as a contoured plan in Fig. 4.

The "Rocky Dam" line near Tom Hill was flat and featureless and this combined with the observation that the pebbly basal "Jurassic" sits directly on basement at Tom Hill suggested that the area was of no interest and consequently no further work was done there.

The Avondale Grid contours showed three negative gravity features worthy of testing. A large circular anomaly centred about 18000E/16000N had three holes sited on it. A weak trough lies due north from the circular feature and a further two holes were sited to test this. A more distinct trough is centred around 13000E/20000N and is aligned north-south. Two holes were planned to test this feature but eventually seven were drilled.

An additional three holes were sited on weak untested anomalies shown by the early S.A.D.M.E. gravity survey. Two were sited immediately north of the town of Lyndhurst to test a flattening of the gravity gradient and one hole sited 10 kilometres west of Lyndhurst on a small circular low.

#### 4. DRILLING AND RESULTS

A total of fifteen holes were drilled on E.L. 576 in the search for coal. This included the redrilling of one (No.6) to obtain core. In all 1,112.85m were drilled including 7.35m of core. A Mayhew 1000 rig was used with all holes rotary drilled. Mud circulation was used for all holes except AV12, 13 and 14 which were drilled with air circulation.

### (i) Avondale Grid

An attempt was made to geophysically log each hole but caving ground prevented this in some cases. AVI, 2 and 3 were sited on the circular anomaly around Avondale H.S. The age of the rocks penetrated was difficult to determine at the time of drilling due to the extremely weathered nature of the sample. However it is now confidently proposed that each of these holes intersected weathered Burra Group Copley Quartzite equivalents from near the surface to their total depth. The circular negative gravity anomaly is therefore most likely due to an anticline in the Proterozoic sediments. A core of silty sandstone is surrounded by a rim of denser Skillogalee Dolomite.

AV4 and 5 were sited on the weak linear anomaly extending north from the circular anomaly. Both these holes penetrated a thick sequence of poorly consolidated sandy, clayey sands and minor gravels. There was a small intersection of carbonaceous material in AV4. The sequence is probably Tertiary in age and represents a stream channel fill deposit.

AV6 and 7 were sited on the stronger north south anomaly around 13000E/20000N. Both AV6 and AV7 intersected a highly carbonaceous silty very fine sandstone to medium sandstone at about 70m. The carbonaceous nature of this material and the fact that it was weathered, not like the previously intersected Proterozoic sediments, suggested the rocks may have been Triassic.

AV8 was sighted mid way between AV6 and AV7 in an attempt to get a good core of fresh carbonaceous material. A channel fill conglomerate was intersected around 60m to 70m where the carbonaceous material was expected and below this was a sandy shale and siltstone sequence.

AV6A was sited only 10 metres south of AV6 in a further attempt to get a core of carbonaceous material. The sequence remained the same as AV6 down to 70 m but from there to 94 m the AV6 sequence was eroded away and replaced by a channel fill conglomerate. The core at the bottom of the hole was of a hard light grey cross bedded fine to medium grained quartz sandstone.

A further three holes, AV9, 10 and 11 were drilled on line 20,000N to define the cause of the gravity anomaly. AV9 intersected weathered then fresh Proterozoic sandstone. AV10 was interpreted at the time of drilling as having penetrated a similar sequence although later gamma log correlations show a Tertiary sequence overlying the Proterozoic (see Fig. 5). AV11 intersected an almost identical sequence to AV7 and continuous coring was done in the carbonaceous sequence from 63.60m to 67.80m. The shallow dip and the highly carbonaceous and unweathered nature of this sequence still suggested that this sequence may have been Triassic.

Samples of the carbonaceous material from AV6 and AV7 were sent to Wayne Harris of W.M.C. for palynological examination to determine, if possible, the age of the sequence. His report is included as Appendix I. While he could find no positive evidence, the high carbonized nature of the material suggested that the carbonaceous sediments are of Proterozoic age and therefore part of the basement.

Fig. 5 shows a geological section along part of the line 20,000N compared to the gravity profile. It is obvious from this diagram that the gravity low is directly related to the depth and shape of the Tertiary channel.

#### (ii) S.A.D.M.E. Grid

Line it.

AV12 was drilled on a small circular gravity low 10km. west of Lyndhurst. This hole intersected 44m of Recent alluvial material overlying a hard sedimentary quartzite.

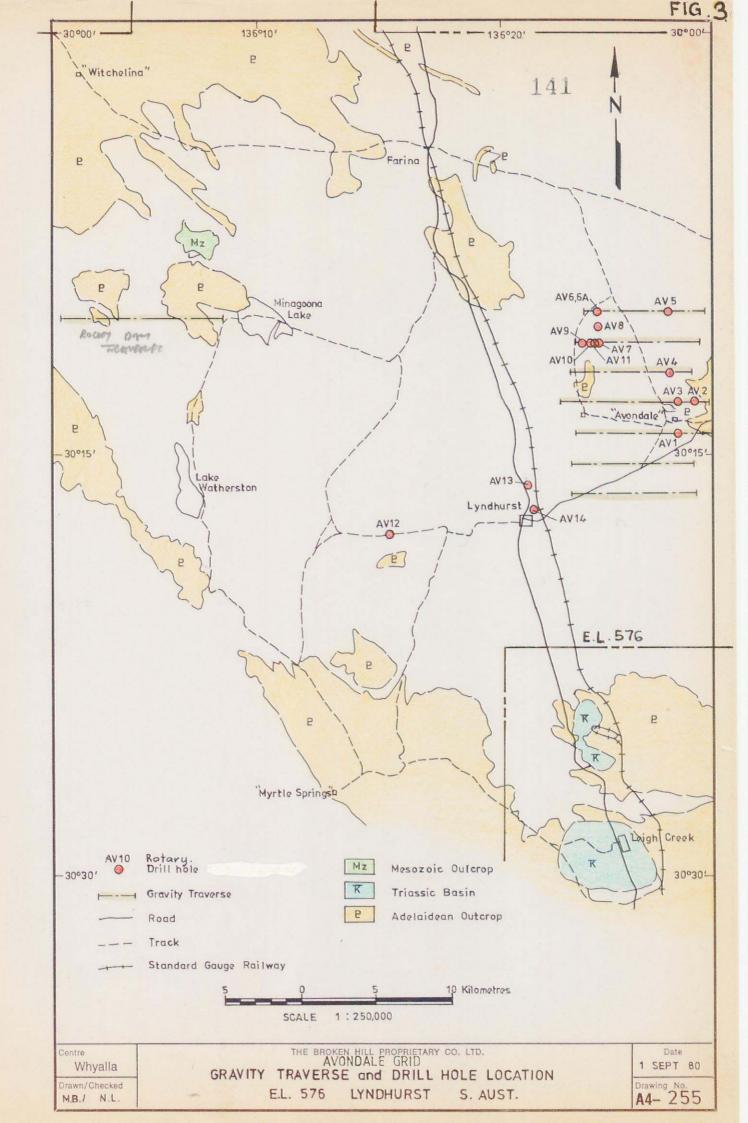
AV13 and 14 were drilled immediately north of Lyndhurst on a "flat shelf" in the regional gravity. AV13 penetrated 32m of Tertiary to Recent channel fill material overlying silty shale and sandstone bedrock. Water was intersected at 14m and the sample assay appears in Appendix III. AV14 intersected multi coloured clays of probably Tertiary age overlying shale and siltstone basement. These three holes give no indication of the cause of the gravity anomaly nor did they intersect any carbonaceous material.

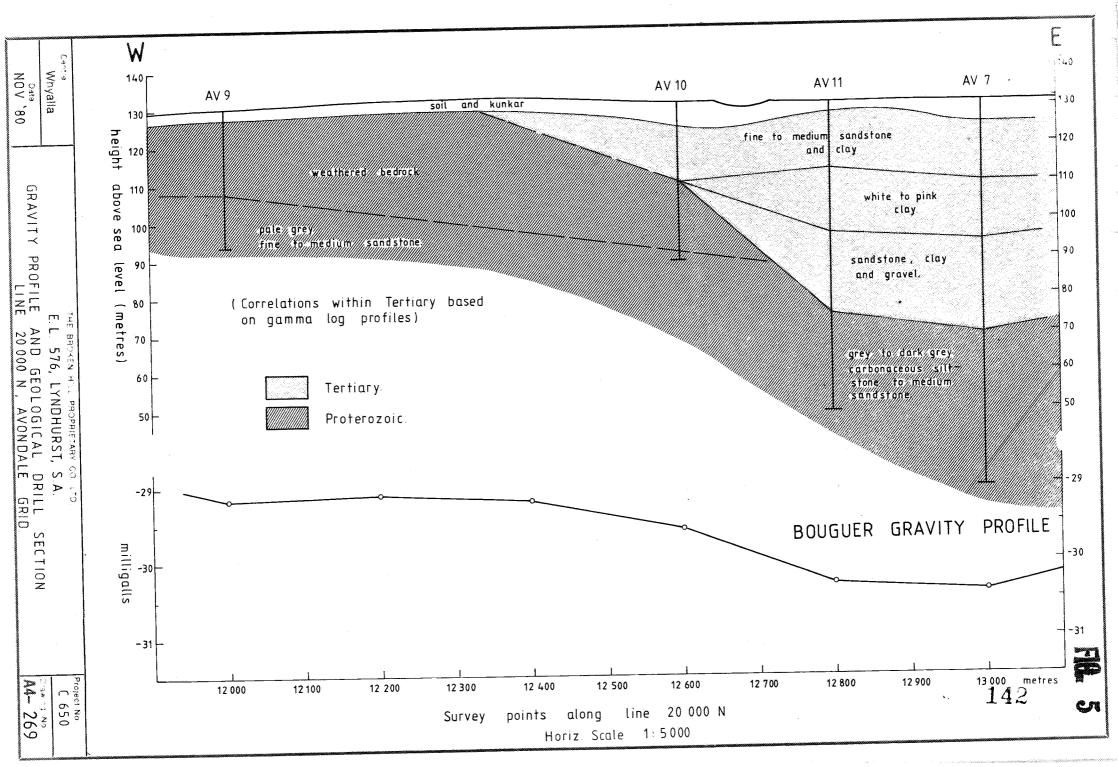
#### 5. <u>RECOMMENDATIONS</u>

In view of the fact that no new Triassic basins were discovered in the course of this exploration drilling programme, it is recommended that the Company do no further exploration for coal in this area.

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### APPENDIX I

PALYNOLOGICAL EXAMINATION OF TWO SAMPLES



### WESTERN MINING CORPORATION LIMITED

(INCORPORATED IN VICTORIA)

### EXPLORATION DIVISION - PETROLEUM

153 GREENHILL ROAD, PARKSIDE, SOUTH AUSTRALIA 5063 \* TELEPHONE 272 5544

25th June, 1980

Mr. C.P. Taylor Senior Geologist Coal B.H.P. G.P.O. Box 86A MELBOURNE, VIC. 3001

Dear Sir,

RE: PALYNOLOGICAL EXAMINATION OF 2 SAMPLES

Two samples labelled AV6 78-80m and AV7 68-70m as submitted by you for palynological determination of age were processed by standard techniques. Both samples failed to yield any recognisable palynomorphs. The acid insoluble residue consisted almost entirely of highly carbonised fragments. Thus there is no palynological evidence as the age of the samples.

Carbonaceous sediments of Permian or Tertiary age normally yield good assemblages provided that they have not been deeply weathered or subjected to abnormal pressures or temperatures.

The sediments do not appear to be weathered and at the depths indicated one would not expect Permian or Tertiary sediments to be carbonised by excessive heat or temperature. Whilst the evidence is negative, my feeling is that the samples are of much older age possibly Cambrian or 'Precambrian.

Yours sincerely,

W.K. Harris

Consulting Geologist - Palynology

## APPENDIX II

DETAILED GEOLOGICAL LOGS

Bore No	AV 1
Co-Ordinates_	18000E 14000N
Total Depth	
	WHITELAND DRILLING
Date Started	
Date Completed	

Location	LYNDHURST	
R.L. at Collar	148.55m	
R.L. at Bottom	64.55m	
Rig	MAYHEW 1000	
Sampling Tools	SCREENS	
Drilling Type	ROTARY MUD	

Drill Intersection			Solid Core		GEOLOGICAL DESCRIPTION		
From	То	Interval	Recovery	Recovery	Recovery	obologies Dr. K. R. I. Tron	
0	4	4				Brown sticky clay and sand with assorte	
				1		pebbles of Adelaidean.	
4	8	4				Brown pebbly sand.	
8	10	2		- 2,5	;	Gravel composed mainly of rounded shale	
						fragments with some quartzite and	
						limestone Water bearing.	
10	20	10				Gravel as above but with a matrix of	
pr	Venant .					white clay and sand.	
20	34	14			-	White to off-white sandy clay with band	
	·		1/2			of medium to coarse sand.	
34	42	8	/4 "			Orange and white sandy clays with some	
					bands of well cemented, very fine to		
	The state of the s					fine sandstone.	
42	50	8				Yellow weathered interbedded very fine	
			N	to fine sandstone with kaolinized			
				shaley and silty interbeds.			
50	78	28	4	Highly weathered off white interbedded			
						very fine to fine sandstone and shale.	
<u> </u>						Sample now in a mixture of fine sand	
	:					and clay.	
78	84	6				Pale green-white very fine to medium	
						grained quartz sandstone with a clay	
						matrix - definite Adelaidean.	

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Bore No.	AV 2
Co-Ordinates	19000E 16000N
Total Depth	1 0 0 m
Operators	Whiteland Drilling
Date Started	23.5.80
Date Completed	23.5.80

Location	Lyndhurst
R.L. at Collar	
R.L. at Bottom_	
Rig	161 1000
Sampling Tools	Screens.
	Rotary Mud

Drill Intersection		<u> </u>	Solid	1			
From	To	Interval	Recovery	Core	% Recovery	GEOLOGICAL DESCRIPTION	
0	2	2	Q			Brown soil, sand and pebbles.	
-2	6	4				Off white weathered fine to medium	
			N	be 3		grained micaceous quartz sandstone.	
6	10	4				White sandy clay with bands of weathered	
4	1				1	fine to medium sandstone.	
10	16	6				Pale green fine to medium sandstone with	
	•					clay bands.	
16	28	12				White sandy clay with orange iron stained	
					9.	patches.	
28	64	36				Interbedded white clay and pale green	
						fine to medium grained sandstone.	
64	70	6			Pale green and orange fine to coarse		
-						sandstone with pebbly bands.	
70	82	12			- Josephan	Pale green and orange sandy clays.	
82	86	4				Off white and purple clays.	
86	98	12				Brown weathered clay and siltstone with	
<u></u>						very fine to fine sandstone.	
98	104	6				Brown fine grained sandstone with some	
	<u></u>					white quartzite bands.	
104	108	4				Off white to pale green fine to medium	
				!		grained quartz sandstone with occasional	
		<i>!</i>				clay bands.	
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/ <b>!</b>	[]	ĺ'					

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Bore No.	AV 3				
Co-Ordinates_	18000E 16000N				
Total Depth					
	Whiteland Drilling				
Date Started					
Date Completed	24.5.80				

Location	Lyndhurst
R.L. at Collar	145.57m
R.L. at Bottom	47.57m
Rig	Mayhew 1000
Sampling Tools	Screens
Drilling Type	Rotary Mud

	Drill Intersection		Solid Core %		or	GEOLOGICAL DESCRIPTION		
ļ	From	То	Interval	Recovery	Recovery	% Recovery	GEOLOGICAL DI X RII TION	
١	0	2	2	ye i dan wa a a a			Brown clayey soil with assorted pebbles	
	2	10	8		40.NO		Off white to cream clays with some	
Í				/ likeled	sione. 🖋		calcrete content and minor gypsum near	
ľ							the surface.	
	10	98	88				Deeply weathered micaceous siltstone	
Į				1/6	<i>L</i>		interbedded with shale and occasional	
							bands of very fine to fine micaceous	
							quartz sandstone. The deep weathering	
I				· · · · · · · · · · · · · · · · · · ·			has altered this entire interval to a	
	<del></del>			· · · · · · · · · · · · · · · · · · ·			white to off white slightly sandy,	
ł	<del></del>			:			silty clay with some patches of weak	
١	<del>-,</del> ,						ferruginization. The less weathered	
ļ						<del></del>	siltstone near the bottom of the hole	
							shows the original rock colour may be	
	<del></del>		<u></u>		L	 	green.	
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Bore No	AV 4
Co-Ordinates	17800E 18000N
Total Depth	7 2 m
Operators	Whiteland Drilling
Date Started	
Date Completes	

Location	Lyndhurst	149
R.L. at Collar	135.24m	
R.L. at Bottom_	63.24m	
Rig	Mayhew 1000	
Sampling Tools	Screens,	
·	Rotary Mud	4

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	Drill Inter	section		Solid Core	%	GEOLOGICAL DESCRIPTION
From	То	Interval	Recovery	Recovery	Recovery	
0	4	4	0,4			Brown clay, soil and sand with a few
<del>-</del>				Ne )		assorted pebbles.
4	10	6	W. 20			Brown medium to coarse sand partially
1 to 3.			late disease and the same of t			cemented by carbonate and gypsum.
10	16	6				Off white pebbly and gravelly very
		•				coarse quartz sandstone with pebble
						bands.
16	20	4				As above with a white clay matrix.
20	42	22				Clean white medium to coarse grained
						quartz sand.
42	50	8				As above with white clay interbeds.
50	59	9		. L		Fine to very coarse quartz sandstone
			/、	<u>څ</u> ځ		with a pale green clay matrix.
59	64	5	( \ )	***************************************		Medium to very coarse grained quartz
						sandstone with beds of grey carbonaceous
			•			shale and occasional chips of lignitic
						coal.
64	72	8				Interbedded fine and coarse to very
<u>L </u>	2.					coarse quartz sands with orange clay
		**				matrix. Hole collapse from the above
						interval has contaminated the last
						sample.
					-	

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Bore No.	AV 5
Co-Ordinates	17200E 22000N
Total Depth	70-
Operators	Whiteland Drilling
Date Started	25.5.80
Date Completed	26.5.80

Lyndhurst 150
124.56m
54.56m
Mayhew 1000
Screens
Rotary Mud

	From	Drill Inte	rsection Interval	Recovery	Solid Core Recovery	% Recovery	GEOLOGICAL DESCRIPTION
	0	4	4	,			Brown clay, sand and pebbles of quartzite
2.3		and the second s	Sections Commission (companies Alle Section 2015)	ggercoman rockey.			and green shale.
]	4	10	6				Coarse to very coarse quartz sand with
	128 /1.4				at. 1		granules of shale and a matrix of brown
	· . i						clay.
	10	14	4				Orange sandy clay with thick bands of
			Commence of an approximate and approximate	encephic acceptate			shale pebble conglomerate.
	14	24	10				Orange and white sandy clay with interbeds
1						Agri	of off white fine grained quartz sandstone
	24	28	4				Pale orange medium to very coarse sands
							with a clay matrix.
8779	28	38	10				Orange and white sandy clays with interbed
				10	el		of pale green-white very fine to fine
				1			grained quartz sandstone.
	38	42	4				Brown medium to coarse grained sands with
				•			an orange-brown clay matrix.
	42	44	2				Brown, orange and white sandy clay.
	44	62	18				Pale green and brown fine to medium
	<b>.</b>					•	grained quartz sandstones with interbeds
							of brown sandy clay with some coarse
90000							grained intervals.
	62	66	4			and the state of t	Hard off white to pale green very fine to
					7		fine grained quartz sandstone.
	66	70	4				Fine to very coarse grained quartz sands
							with some shale clasts and a clay matrix.
	1						

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Bore No.	AV 6					
Co-Ordinates	13000E 22000N					
Total Depth	0.6					
	Whiteland Drilling					
Date Started	26.5.80					
Date Completed	26.5.80					

Location	Lyndhurst	٠, تر ٢	151
R.L. at Collar	125.60m		~01
R.L. at Bottom	29 60m		
Rig	Mayhew 1000		
Sampling Tools	Screens		
Drilling Type	Rotary Mud		

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		Drill Inter	section		Solid Core	%	GEOLOGICAL DESCRIPTION
-	From	То	Interval	Recovery	Recovery	Recovery	
1	0	4	4				Brown sand and clay.
	4	8	4		,		Brown carbonate cemented conglomerate
l	]	:		V ~~~	of shale pebbles with some quartz		of shale pebbles with some quartzite
L	_ := 1			14.	and sandstone pebbles.		and sandstone pebbles.
	8	18	10			•	Orange sandy clays with some sand and
L	and the same of the same of						pebble bands.
	18	30	12	- Name described (Fig. 1)	3		Off white sandy clay with bands of very
							fine to medium sandstone.
L	30	48	18	1000			White to off white clays and silts with
_				1			bands of clayey sandstone.
	48	52	4		,	\	White, red and purple clays with silt
		Activities and a second second					and sand bands.
L	52	58	6	and distance of the second	decorp.		Light brown siltstone and very fine
L							sandstone.
	58	70	12	100			Brown and purple very fine to fine sand-
L							stone with a clay matrix. There are
1							occasional very coarse sand bands and
ļ	Salatora on success and a						some granule conglomerate.
888-	70	72	2				As above mixed with carbonaceous shale
							and sandstone.
Ĺ	72	84	12		,		Grey to dark grey carbonaceous shales
Ì_				NOR	7		and very fine to medium sandstones.
L	84	92	8		~6		Grey to light grey siltstone with some
     							shale and very fine carbonaceous sand-
1							stone.
	92	96	4				Light grey carbonaceous sandstone and
							siltstone with buff clays and hard off
Ī				<del></del>		·····	white fine to medium grained sandstone.

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Bore No	AV6A	Location	Lýndhurst
Co-Ordinates	13000E 21990N	R.L. at Collar	125.60m
Total Depth	94.80m	R.L. at Bottom_	30.80m
Operators	Whiteland Drilling	Rig	Mayhew 1000
Date Started	28.5.80	Sampling Tools _	Screens
Date Completed _	29.5.80	Drilling Type	Rotary-mud
_		~ ~ ~	· · · · · · · · · · · · · · · · · · ·

•	Drill Intersection			Solid Core	%	GEOLOGICAL DESCRIPTION
From	To	Interval	Recovery	Recovery	Recovery	
0	84					No sample collected. The samples were
<del></del>						the same as AV6 down to 70m but the
						channel fill material intersected in AV6
		. *		وڙي: د -ا	K.	from 58m - 70m is thicker in AV6A.
84	94	10				Off white to yellow to brown clayey
				•		medium to very coarse lithic sandstone
						with granules and some pebbles of quartz
						quartzite shale siltstone and calcareous
						siltstone.
94.0	94.80	0.80				CORE RUN
						Grey silty very fine to fine grained
						carbonaceous quartz sandstone. The core
				, ,		shows common cross bedding and numerous
			•			thin irregular very carbonaceous dark
					-	grey silty shale partings.
						True dip is approximately 50°.
				,		
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						the second secon
						<del>in the state of t</del>

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 Bore No.
 AV 7

 Co-Ordinates
 13000E
 20000N

 Total Depth
 102m

 Operators
 Whiteland Drilling

 Date Started
 26.5.80

 Date Completed
 27.5.80

Location	Lyndhurst	153
R.L. at Collar	131.86m	
R.L. at Bottom	29.86m	
Rig	Mayhew 1000	
Sampling Tools	Screens	
Drilling Type	Rotary-mud	

Drill Intersection			Solid		GEOLOGICAL DESCRIPTION	
From	То	Interval	Recovery	Recovery	Recovery	
0	2	2	·	,		Brown clay and sand with assorted
			250000000000			silicified pebbles.
2	6	4	Amous	- B		Brown carbonate cemented shale and sand-
), 4%	-		<u>Μ</u> .			stone clasts with some siliceous cement.
6	22	16				White to pale grey weathered interbedded
						sandstone and clay.
22	40	18	8	4		White to light pink clay with bands of
				6.		sandstone and grit.
40	50	10	1	get was	e	White, red and orange ferruginous clays
			MAZ			and fine to medium sandstones with some
						odd gravelly bands.
50	56	6				Pale brown to off white medium sandstone
						with some clay matrix and silty bands.
56	62	6	100			Off white to cream interbedded silts,
۵	Company Control of the American Control of the	and the second s	Manager -			clays and fine sandstone.
62	68	6	•			Dark grey pyritic carbonaceous fine
						sandstone and siltstone.
68	74	6				Grey carbonaceous sandstone, siltstone
						and clay.
74	82	8				Light grey very fine to medium sandstone
						and siltstone.
82 ·	94	8				Grey, slightly carbonaceous pyritic,
						very fine to fine sandstone.
94	98	4				Grey to light grey carbonaceous, fine to
						medium grained sandstone becoming coarser
						at base of interval.
		and the second s				
	0 2 6 22 40 50 56 62 68 74	0     2       2     6       6     22       22     40       40     50       56     62       62     68       68     74       74     82       82     94	0       2       2         2       6       4         6       22       16         22       40       18         40       50       10         50       56       6         56       62       6         62       68       6         68       74       6         74       82       8         82       94       8	0       2       2         2       6       4         6       22       16         22       40       18         40       50       10         50       56       6         56       62       6         62       68       6         68       74       6         74       82       8         82       94       8	0       2       2         2       6       4         6       22       16         22       40       18         40       50       10         50       56       6         56       62       6         62       68       6         68       74       6         74       82       8         82       94       8	From To Interval Recovery Recovery Recovery  0 2 2

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Bore No. AV 7	Location
Co-Ordinates	R.L. at Collar
Total Depth	R.L. at Bottom
Operators	Rig
Date Started	Sampling Tools
Date Completed	Drilling Type

Ì	Drill Intersection From To Interval		Recovery	Solid Core Recovery	% Recovery	GEOLOGICAL DESCRIPTION	
-	98	100	2	Recovery	Recovery	Recovery	Yellow to orange iron stained medium to
			<del></del>	<u> </u>	*17	7	very coarse grained sandstone.
1	100	102	2	<	Moc	er de la companya de	Pale grey, hard, well cemented, very
١	25/51/24	102		· · · · · · · · · · · · · · · · · · ·			fine to fine grained sandstone.
-		<del>- 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -</del>			To the second	•	Time to line grained sandstone.
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Bore No.	AV 8
Co-Ordinates	13000E 21000N
Total Depth	84m
Operators	Whiteland Drilling
Date Started	27.5.80
Date Completed	28.5.80

Location	Lyndhurst		
R.L. at Collar	120m (approx.)		
R.L. at Bottom	7.6m		
Rig	Mayhew 1000		
Sampling Tools	Screens		
	Rotary-mud		

		·					
F	rom	Drill Inte	rsection Interval	Recovery	Solid Core Recovery	% Recovery	GEOLOGICAL DESCRIPTION
	0	2	2				Brown clay and sand with assorted pebble
· ·	2	8	6				Brown sand, shale fragments and quartzit
					سال		pebbles cemented with carbonate and some
				Ans	7		silica.
	8	10	2	4			Conglomerate of quartzite and shale
		1000					pebbles.
1	LO	20	10				Light brown to off white sandy clay with
							bands of sands and pebbles.
2	20	42	22				Off white to light grey interbedded clay
					U/A		and very fine to medium sandstone. Ther
				135	7		are occasional bands of coarse sandstone
4	12	50	8	10			Off white to yellow interbedded clays
		***************************************	DEPARTS	ga, zaganaring sa katapan sa haranan saa			and very fine to medium sandstones.
5	50 、	54	4				Cream to light brown very fine to medium
							grained sandstone.
5	54	68	14		7		Green grey conglomerate of shale fragmen
				PO CON	to.		quartzite and sandstone pebbles and
						1,5	pebbles of carbonaceous shale and sand-
			garage of the S			·	stone with occasional chips of coal?
6	8	76	8		· 7		Hard grey to dark grey shale and siltsto
				7	~		with occasional sandstone layers.
7	6	84	8				White to pale grey claystone with very
							thin white laminations interbedded with
							light grey very fine to medium sandstone
					:		
			<del></del>			<del></del>	

Bore No.	AV 9
Co-Ordinates	12000E 20000N
Total Depth	36.75m
Operators	Whiteland Drilling
Date Started	31.5.80
Date Completed _	31.5.80

Location	Lyndhurst
R.L. at Collar	130.63m
R.L. at Bottom	93.88m
Rig	Mayhew 1000
Sampling Tools	Screens
Drilling Type	

T	Drill Intersection		Solid Core	%	GEOLOGICAL DESCRIPTION		
'	From	То	Interval	Recovery	Recovery	Recovery	SESSOCIAL DI A RIL HON
	0	2	2				Brown soil clay sand and assorted
							silicified pebbles.
1_	_2	22	20				White to pale grey weathered feldspathic
<u> </u>			· · · · · · · · · · · · · · · · · · ·		- 4 91	•	fine to medium grained sandstone.
ا	22	36	14				Pale grey feldspathic fine to medium
1							grained sandstone with bands of yellow
							clay ie. weathered siltstone.
3	6.00	36.75	· · · · · · · · · · · · · · · · · · ·				Core run.
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Bore No.	AV 10
Co-Ordinates	12600E 20000N
Total Depth	4.0
Operators	Whiteland Drilling
Date Started	31.5.80
Date Completed	31.5.80

Location	Lyndhurst
R.L. at Collar	131.33m
R.L. at Bottom	
Rig	Mayhew 1000
Sampling Tools	Screens
Drilling Type	Rotary-mud

<u> </u>	<del>·········</del>	Drill Inter	ntersection Solid Core %		%	GEOLOGICAL DESCRIPTION	
_	From	То	Interval	Recovery	Recovery	Recovery	
	0	3	3		The Control of the Co		Brown sticky clay, soil and sand.
	3	6	3	many	A. destr.		Brown to light brown carbonate cemented
			ger of the Section of	7			sand granules and pebbles.
L	6	20	14		e lažķast		White to off white weathered feldspathic
	1, 1,				500	W.	fine to medium grained quartz sandstone
					Ce X		with occasional clay bands.
	20	40	20	ym,			Off white to pale green weathered feld-
							spathic medium grained sandstone with
1						*	bands of yellow and white clay - possibl
L							after siltstone.
	40	42	. 2				Interbedded white feldspathic sandstone
							and orange weathered siltstone.
-							
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			:				

Bore No	AV 11			
Co-Ordinates	12800E 20000N			
Total Depth	82m			
Operators	Whiteland Drilling			
	31.5.80			
Date Completed	1.6.80			

Location	Lyndhurst
R.L. at Collar	131.23m
R.L. at Bottom	49.23m
Rig	Mayhew 1000
Sampling Tools	Screens
Drilling Type	and the state of t

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	Drill Inter	section	<del> </del>	Solid		CEOLOGICAL DESCRIPTION
From	То	Interval	Recovery	Core Recovery	% Recovery	GEOLOGICAL DESCRIPTION
0	2	2				Brown sand soil and clay.
2	16	14				White to off white weathered fine to
						medium sandstone interbedded with silt-
1.7				- s <u>\$</u> \$ .		stone and occasional shale bands.
16	30	14	· · · · · · · · · · · · · · · · · · ·			Off white to light grey weathered feld-
						spathic very fine to medium grained quart
						sandstone with some coarse bands and band
]						of silt and shale.
30	36	6				Off white clay with orange patches and
	·	<u></u>			}	bands of sandstone.
36	42	6			<u> </u>	As above with bands of white to purple
					(	clayey coarse sandstone.
42	56	14			e, promote	Interbedded off white clays, red and
						purple clays, off white very fine to
						medium grained sandstone and bands of
ļ				· · · · · · · · · · · · · · · · · · ·		brown pebbly coarse to very coarse
						sandstone.
56	60	4				Interbedded off white fine to medium
	:					grained sandstone and cream coloured
		61	-			clays with occasional gritty layers.
60	_62	2		No.	A . The control of th	Firstly orange clays and sands then grey
						carbonaceous sandstones and shales.
62.00	63.60	1.60	1.6			Core run - recovered 1.60m core.
62.00	62.14	0.14				Dark grey fine to medium grained finely
						banded carbonaceous sandstone with lenses
						of white medium grained quartz sandstone.
62.14	62.82	0.68				Dark grey finely banded carbonaceous
<del></del>						

GEOL 1720

DATE:

JUNE 1980

**	•	159	
Bore No.	AV 11		
Co-Ordinates_	·		·
		R.L. at Bottom	
	distribution of the second		
Date Completed		Drilling Tune	

<u> </u>	From	Drill Inter	section Interval	Recovery	Solid Core Recovery	% Recovery	GEOLOGICAL DESCRIPTION
							siltstone and very fine to fine grained
							sandstone.
62	.82	63.12					Interbedded grey carbonaceous siltstone
	1			o <del>.</del>	r Ling is	i (	and very fine to medium sandstone and
							thin red iron stained shale bands and lcm
	<u> </u>						red medium to coarse grained sandstone.
63	.12	63.60					Dark grey to black carbonaceous siltstone
							and very fine grained sandstone with some
						20	thin bands of grey pyritic fine grained
	- :						sandstone.
							Average Dip 0-2 <sup>0</sup>
63	.60	66.10	2.5				Core run - recovered 2.50m.
	· · · · ·					-	Finely banded grey to dark grey carbon-
		·					aceous siltstone and very fine to fine
	<del></del>						sandstone with lenses of pyritic fine to
							medium grained sandstone. There are some
	·						sections containing bands of dark grey to
			:				black carbonaceous shale.
							Average Dip 2 <sup>O</sup> - 5 <sup>O</sup>
-		67.80	1.7	·			Core Run
66	.10	66.90	A				Dark grey carbonaceous siltstone and very
				-			fine sandstone. There are also 1mm lenses
							of grey to light grey pyritic fine to
							medium sandstone.
							Dip average 50-70
66	.90	67.80					Grey to light grey carbonaceous very fine
							to fine pyritic sandstone with bands of

5,80

DATE:

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Bore No. AV 11	Location
Co-Ordinates	R.L. at Collar
Total Depth	R.L. at Bottom
Operators	Rig
Date Started	Sampling Tools
Date Completed	Drilling Type

Drill Intersection			Solid					
	From	То	Interval	Recovery	Core Recovery	% Recovery	GEOLOGICAL DESCRIPTION	
				-	·		light grey fine to medium grained sandsto	ne
	,						Dip variable due to slight folding 70-250	
	68	76	8				Grey to light grey carbonaceous siltstone	
		A COMPANIE AND A COMP	consist in second	an de production particles and the second section of the second section of the second section of the second sec	7	, )	and very fine to medium grained sandstone	•
10000	76	80	4			79	Light grey to off white interbedded claye	У
							shale and silty fine sandstone.	
Marei	80	82	2				As above then yellow clayey sandstone	
							then pale green well cemented fine to	ĺ
							medium grained sandstone.	
sourie								
ke is				:		.1		]
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DATE:

161

Bore No	AV 12	
Co-Ordinates_	138 <sup>O</sup> 15½'E	30 <sup>0</sup> 18's
Total Depth		
Operators	Whiteland Dr	illing
Date Started	22.7.80	
Date Completed		

Location	Lyndhurst
R.L. at Collar	
R.L. at Bottom	-
Rig	Mayhew 1000
Sampling Tools _	Trays
Drilling Type	Rotary - air blast

0055		<del></del>		<u> </u>	T	<b>(</b>	
	From	Drill Inte To	rsection Interval	Recovery	Solid Core Recovery	% Recovery	GEOLOGICAL DESCRIPTION
	0	2	2		4.		Red brown clayey sandy soil with occasiona
			and the second s	g pagasang bandang kanang kanang bandan 1900.	energe sa		pebbles of iron rich quartzite.
	2	6	4				Off white pebble conglomerate with a
				Tec	1000		sandy clay matrix.
VP35	6	8	2				As above then brown sandy clay with
		and the second second		and the same of the property of the paper.	- storestin		patches of crystalline gypsum.
Sec.	8	10	2				Brown and green sandy clay with white
							quartzite pebbles and patches of crystall-
							ine gypsum and patches of red ferruginous
200	1			4	100		clay.
	10	22	12	100	1000		Pale green clay with red ferruginous
							patches and patches of crystalline
				-			gypsum.
	22	30	8		<del></del>		Stiff red ferruginous clay with some
				<del></del>		·	bands of grey clay.
	30	32	2	.•	<u> </u>		Pale green clay with occasional ferruginou
SS.			e construire and the construire and the	odka maseen orominus d			patches.
	32	44	12		<del></del>	-	Pale pink and green clays with some sandy
****	<u> </u>	,		. /			bands and common patches of ferruginization
	44	46	2	N	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Off white to green-yellow sandy clay and
							weathered sandstone.
	46.0	46.3					Very hard pinkish white medium grained
							quartzite.
	, , , , , , , , , , , , , , , , , , , ,						

DATE:	JULY 1980	LOGGED BY: N.M.	LEMON

Bore No	AV 13
Co-Ordinates.	138 <sup>0</sup> 21 <sup>1</sup> / <sub>4</sub> 'E 30 <sup>0</sup> 16'S
Total Depth	
Operators	Whiteland Drilling
Date Started	
Date Complete	

DATE: JULY 1980

	162
Location	Lyndhurst
R.L. at Collar	
R.L. at Bottom	
Rig	Mayhew 1000
Sampling Tools _	Trays ,
Drilling Type	Botary-sir blact

N.M. LEMON

ļ				· · · · · · · · · · · · · · · · · · ·			
T	From	Drill Inter	section Interval	Recovery	Solid Core Recovery	% Recovery	GEOLOGICAL DESCRIPTION
	0	3	3	26		:	Red brown sandy clayey soil with numerous
		The second secon	enough specimens				pebbles of shale, dolomite and sandstone.
	3	6	3				Light green, red and purple clays.
ľ	6	10	4	۸	i al		Off white and light green clays with some
ſ	]			More			purple and orange patches.
T	10	14	4				As above with increasing sand content
Ţ	7		1-3				becoming a white sandstone with clayey
			San.				bands.
Ī			-				Salt water struck at 14m.
	14	20	6	1000	and the same		Off white fine to medium grained sands
			7	Contraction			with some orange patches and a few
	1						clayey bands.
i.a	20	32	12			."	Yellow to green-yellow fine to medium
and the second	100						sands with some khaki coloured clay bands
							and a file bands of very coarse sandstone.
	32	42	10				Interbedded khaki coloured clay and
		and the second second second	Marine Marine - Company	0.00			yellow-green fine to coarse sands.
	42	47	5		:		Weathered bedrock - khaki micaceous silty
							shale interbedded with yellow green fine
					_		to medium grained sandstone.
							Hole abandoned at 47m due to caving.
Ï							
Ţ	1						
្ន							
	<b>14</b>						
100 miles							
1	al -					· · · · · · · · · · · · · · · · · · ·	

Bore No.	AV 14			
Co-Ordinates	138 <sup>0</sup> 21½'E 30 <sup>0</sup> 17'S			
Total Depth	50m			
Operators	Whiteland Drilling			
Date Started	23.7.80			
Date Completed	23.7.80			

Location	Lyndhurst 153			
R.L. at Collar				
R.L. at Bottom				
Rig	Mayhew 1000			
Sampling Tools	Trays .			
Drilling Type	Rotary - air blast			

N.M. LEMON

LOGGED BY: \_

ľ	<del> </del>	Drill Intersection			Solid	<del>                                      </del>	
L	From	То	Interval	Recovery	Core Recovery	% Recovery	GEOLOGICAL DESCRIPTION
L	0	12	12				Stiff green to light green clay with red
L	4				o	, and	and purple ferruginous patches.
L	12	18	6	A	relish		Pale green silty clay.
	18	24	6	No.	· Luke y		Soft white powdery clay.
_	24	34	10	and the second	***		Soft yellow-orange powdery clay.
L	34	38	4		1		Orange to brick red clay.
450	38	42	4		63		Orange powdery clay.
L	42	48	6	a race of			Orange, khaki and brick red clay -
L				N			deeply weathered siltstone.
1	48	50	2				Khaki to green slightly weathered
1		· · · · · · · · · · · · · · · · · · ·					micaceous shale and siltstone.
_							
L							
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GEOL 1720

DATE:

JULY 1980

### APPENDIX III

UNDERGROUND WATER

#### UNDERGROUND WATER

The majority of the holes drilled in this programme were dry.

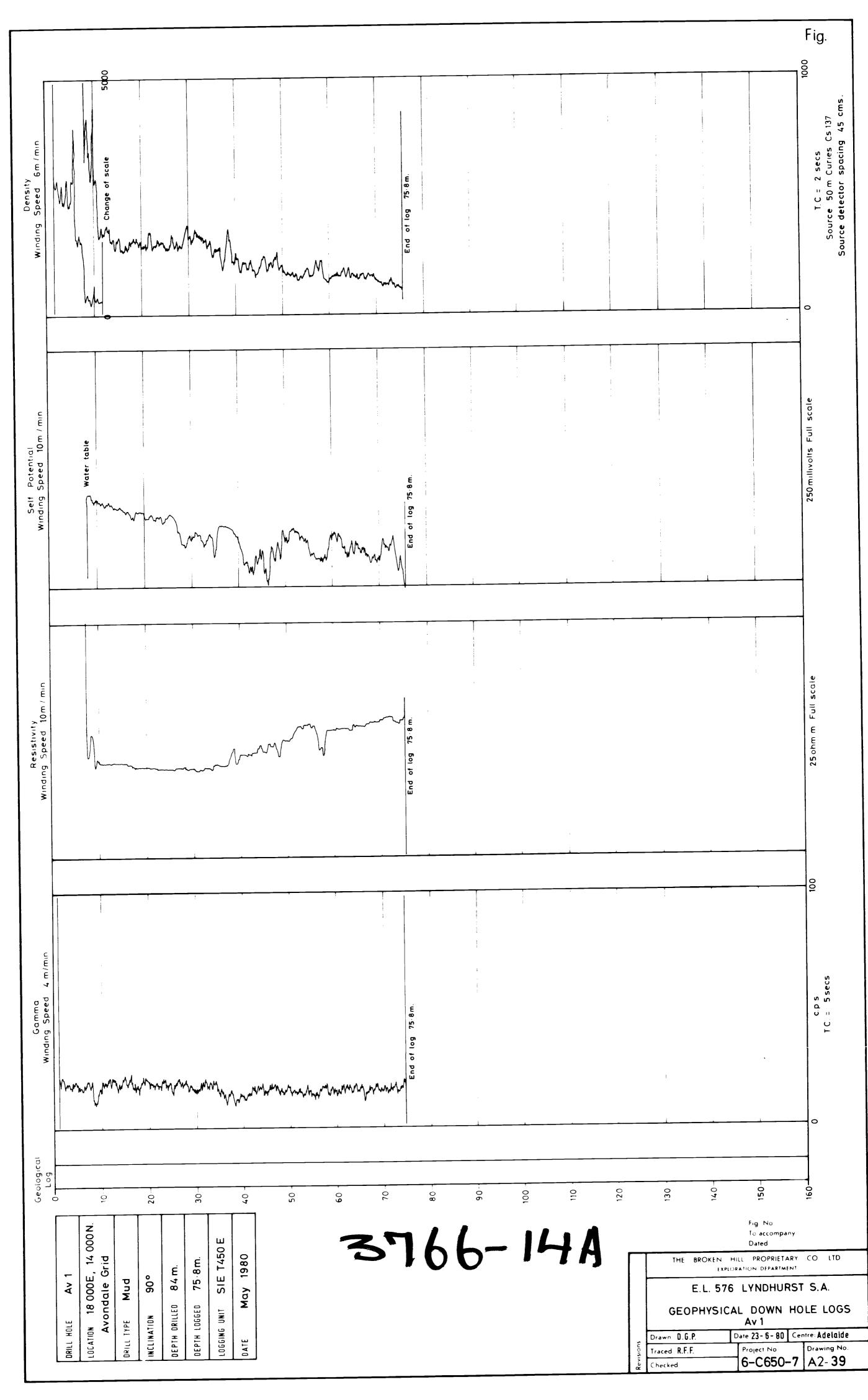
AV1, 12 and 14 made very slow seepage. AV4, 5, 6, 6A, 7 and 8 had water in them but the amount and quality was not able to be determined due to fact that mud was used as the circulation agent and air blast development was not attempted in an effort to keep the holes open for geophysical logging. It was noted, however, that the salt content of the groundwater "soured" the mud to the extent that additional conditioning agents were required in the mud.

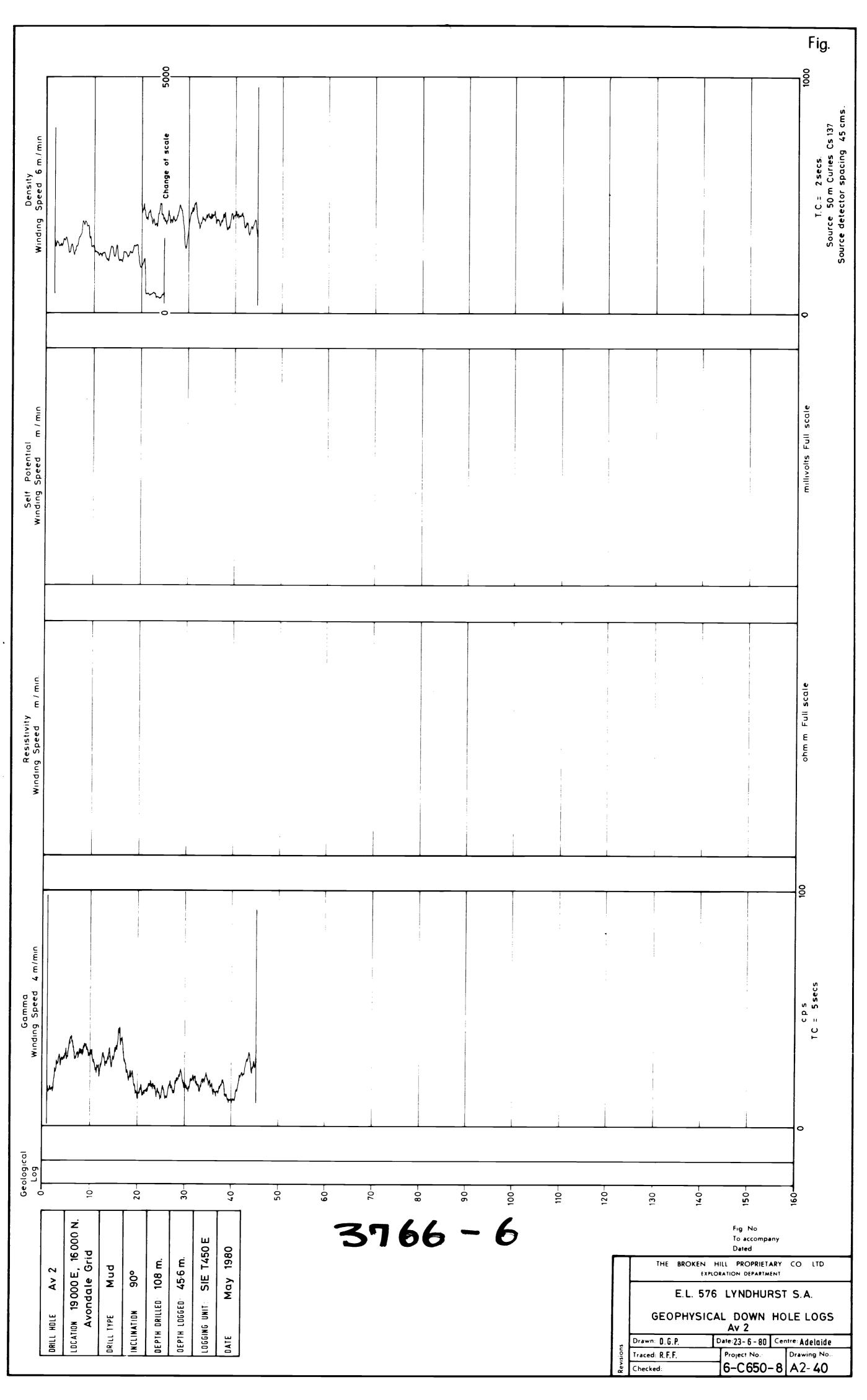
AV13 was drilled using air blast rotary methods and water was struck at 14m. Samples were collected and assayed at the Quality Control Laboratories of the B.H.P. Co. Ltd.'s Whyalla Works. The results are as follows.

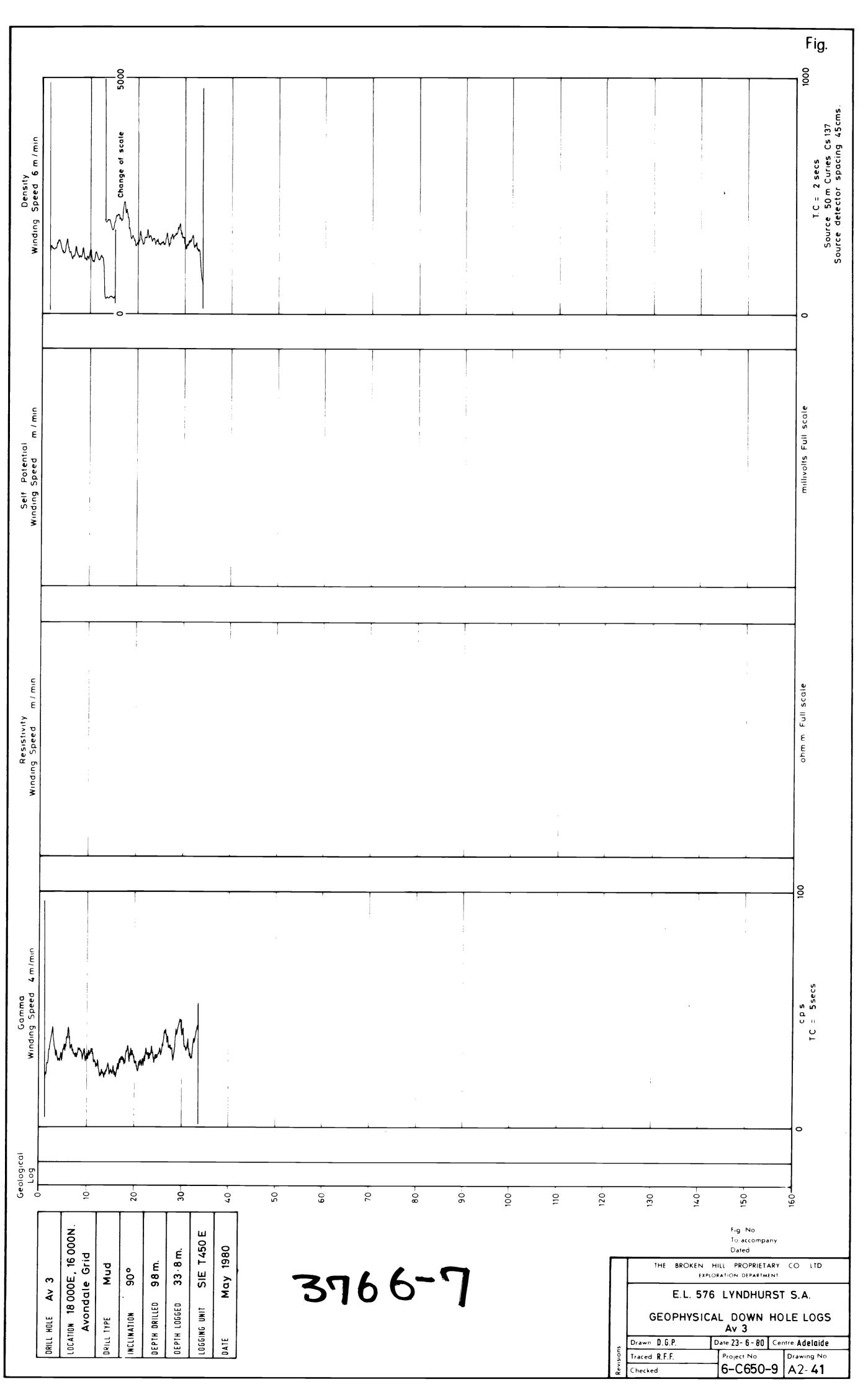
Total dissolved salts	22,600 ppm
Na	6,300
Ca	625
Mg	810
K	32
C1	11,195

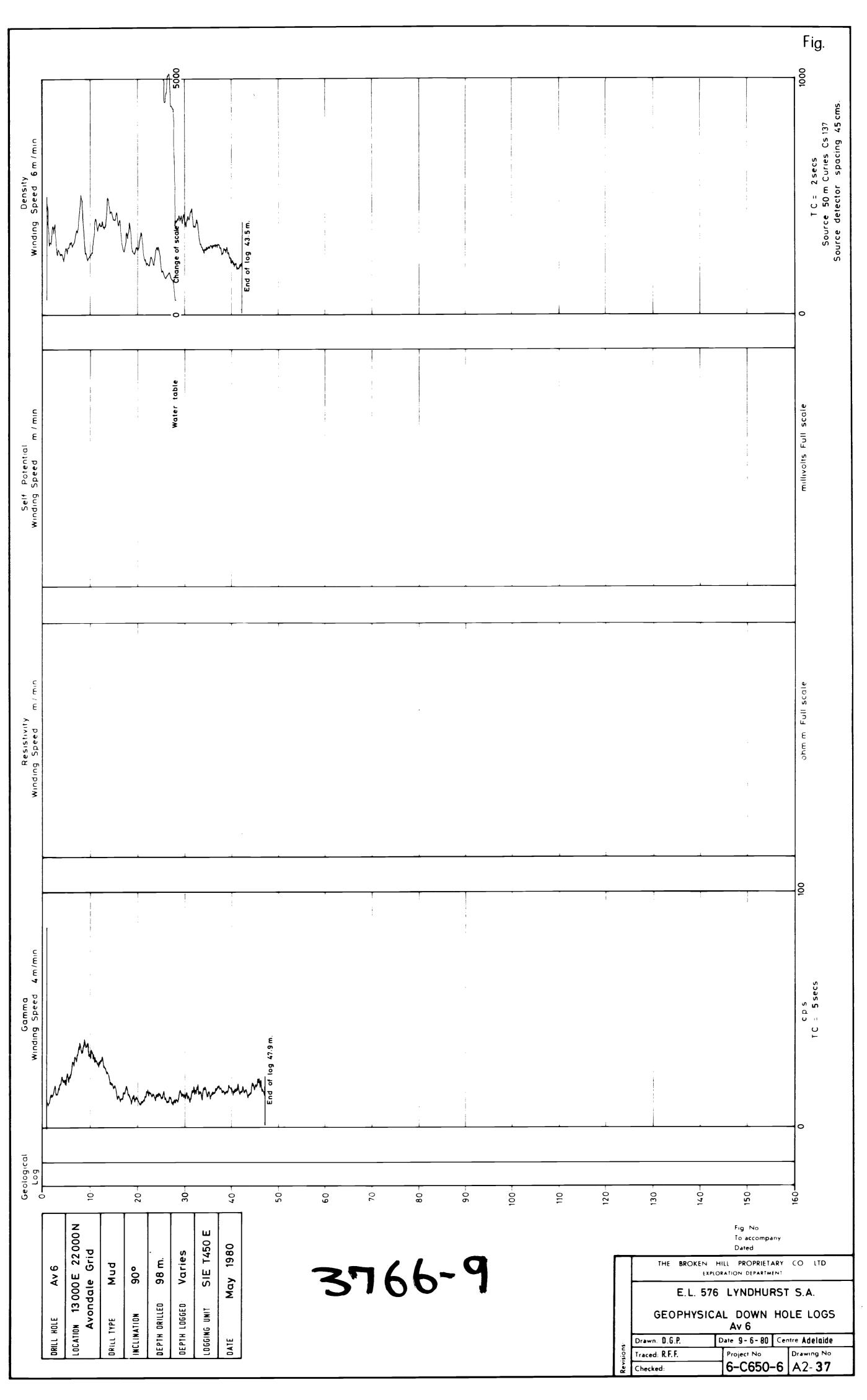
## APPENDIX IV

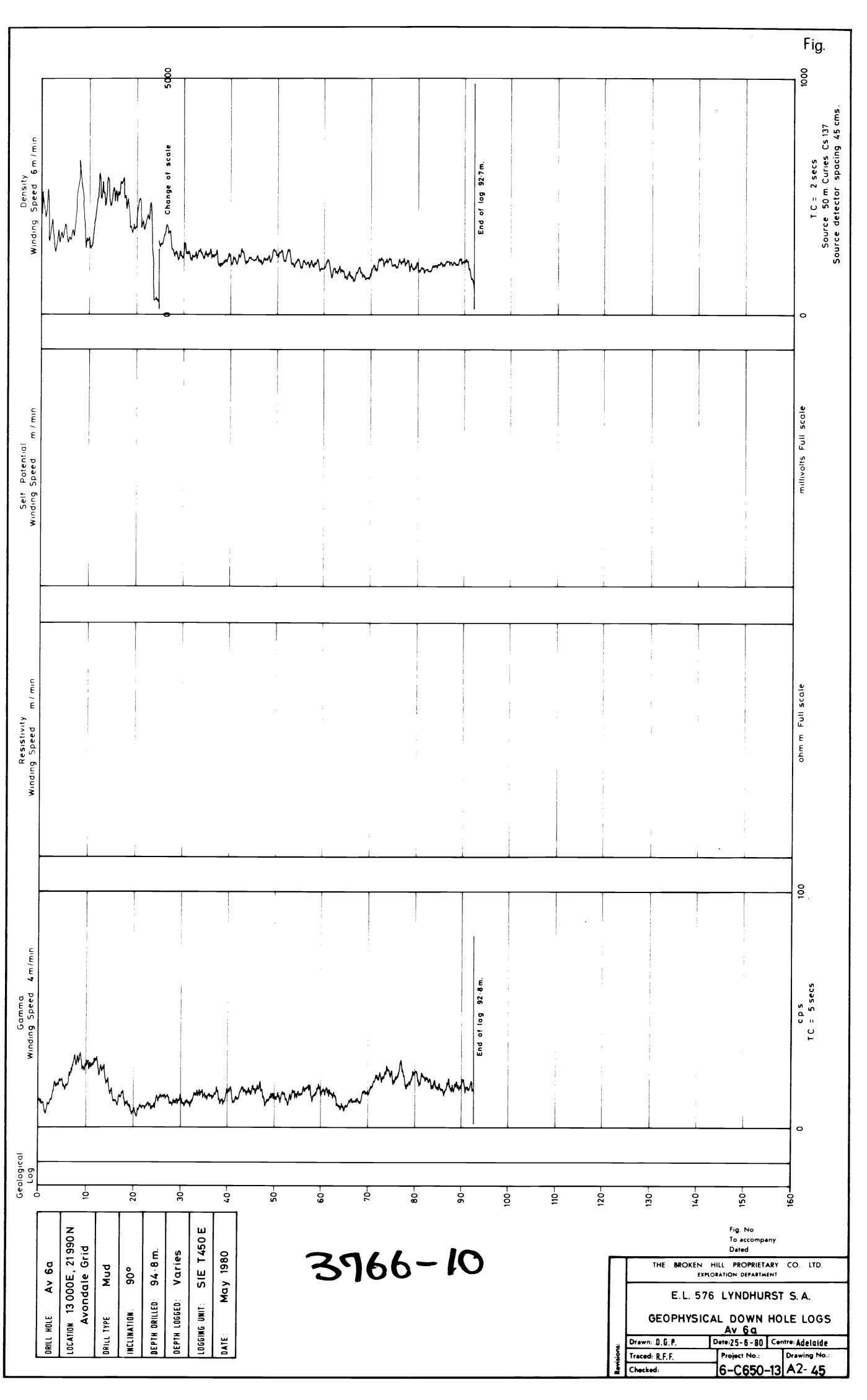
DOWNHOLE GEOPHYSICAL LOGS

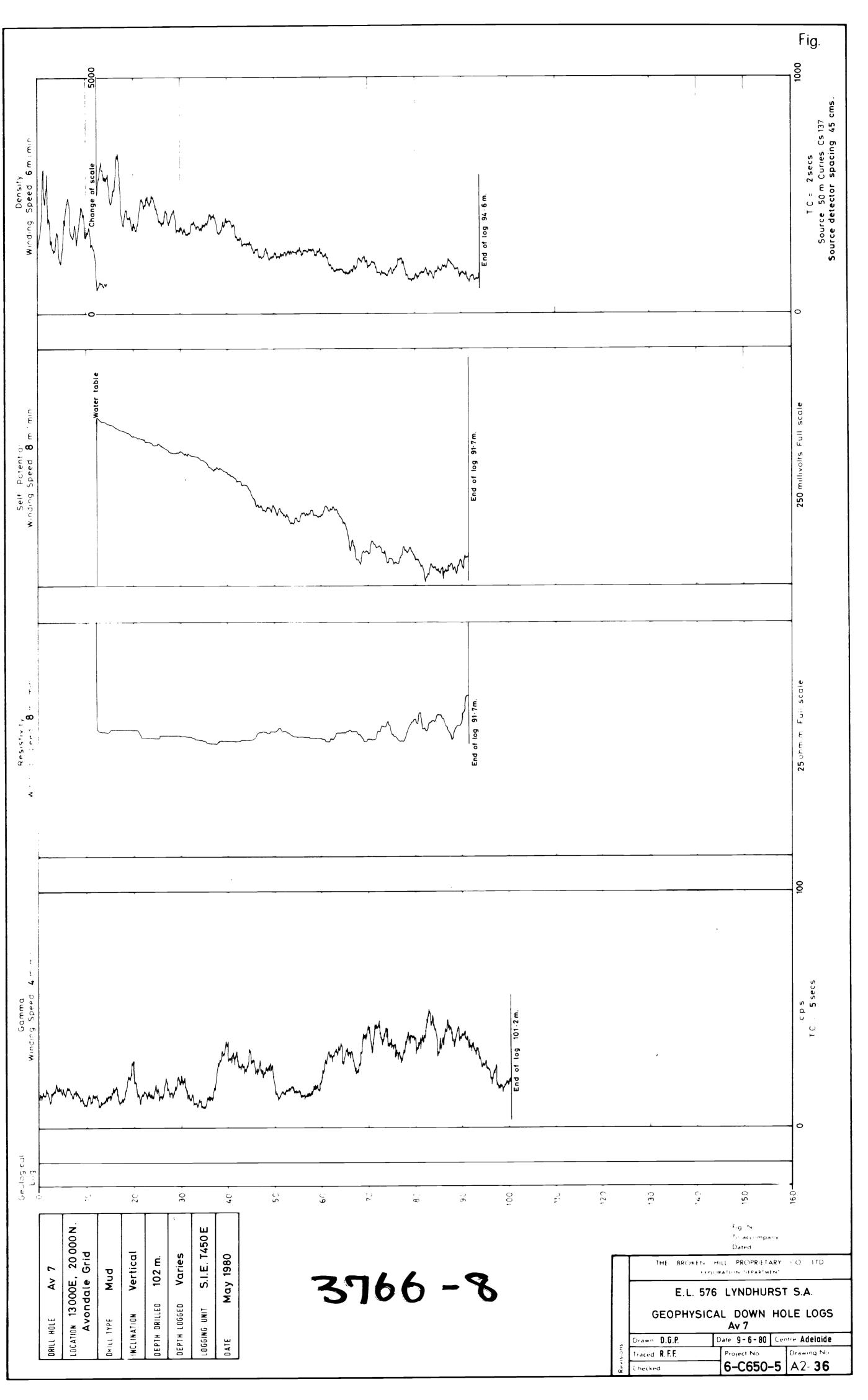


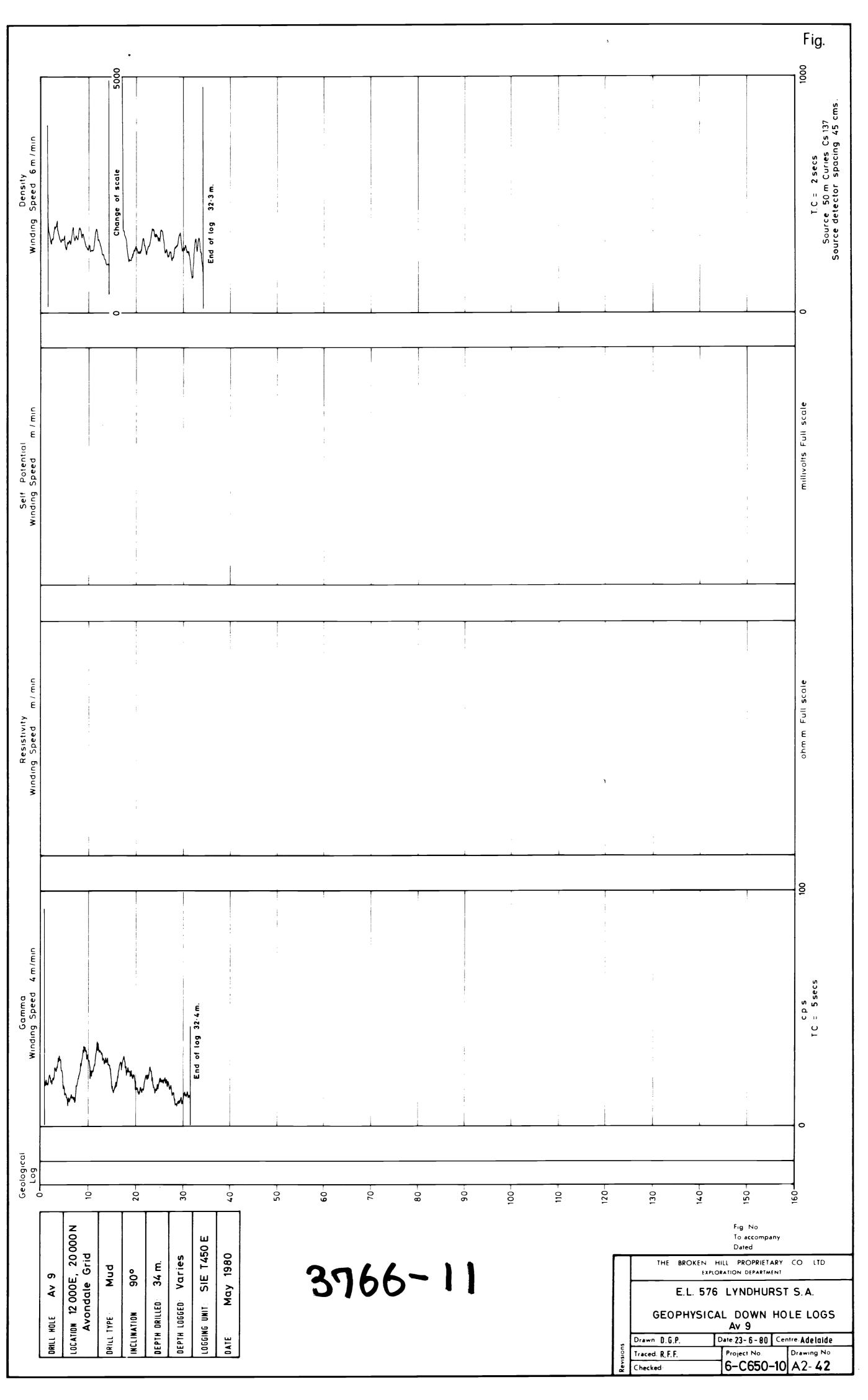


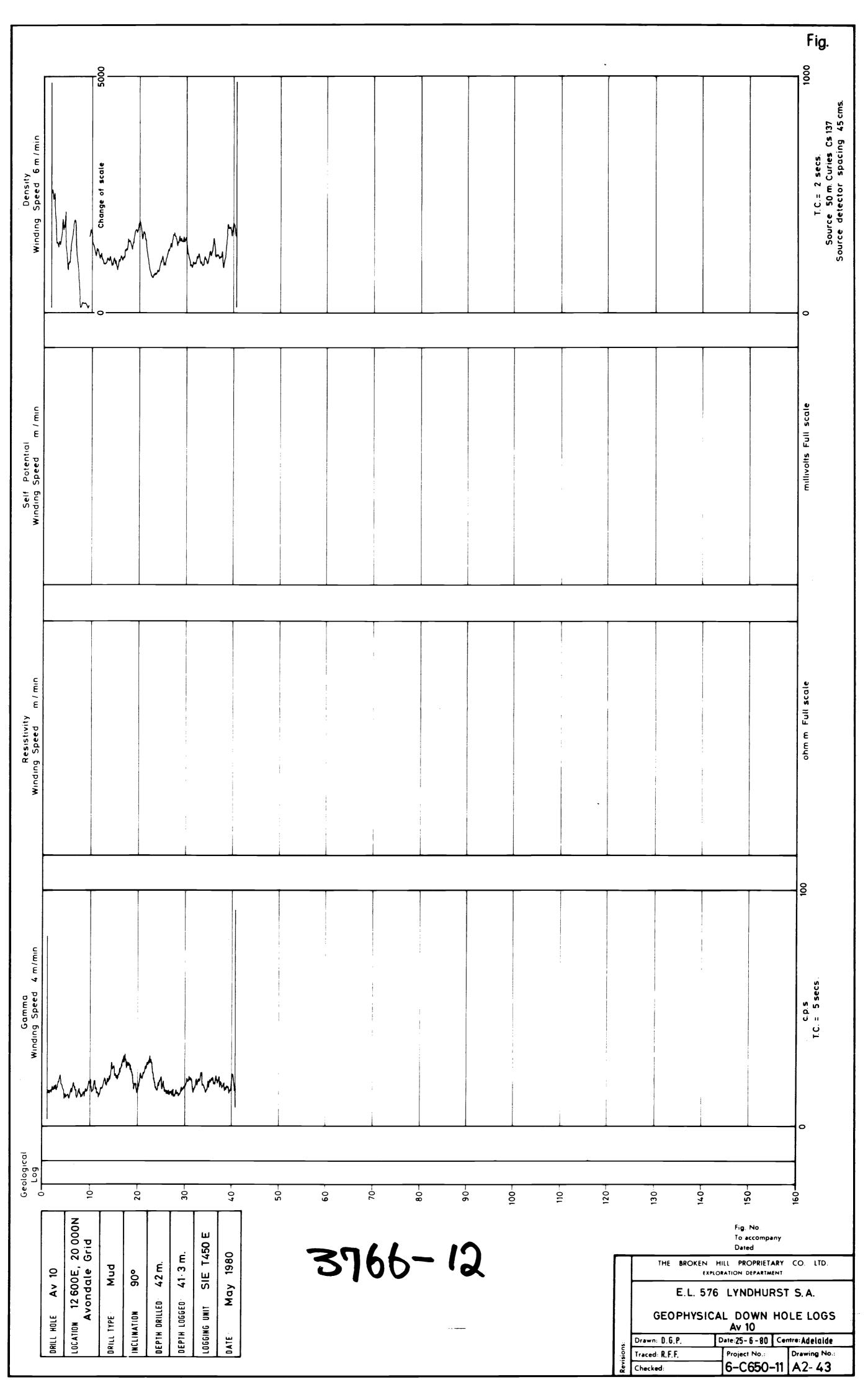


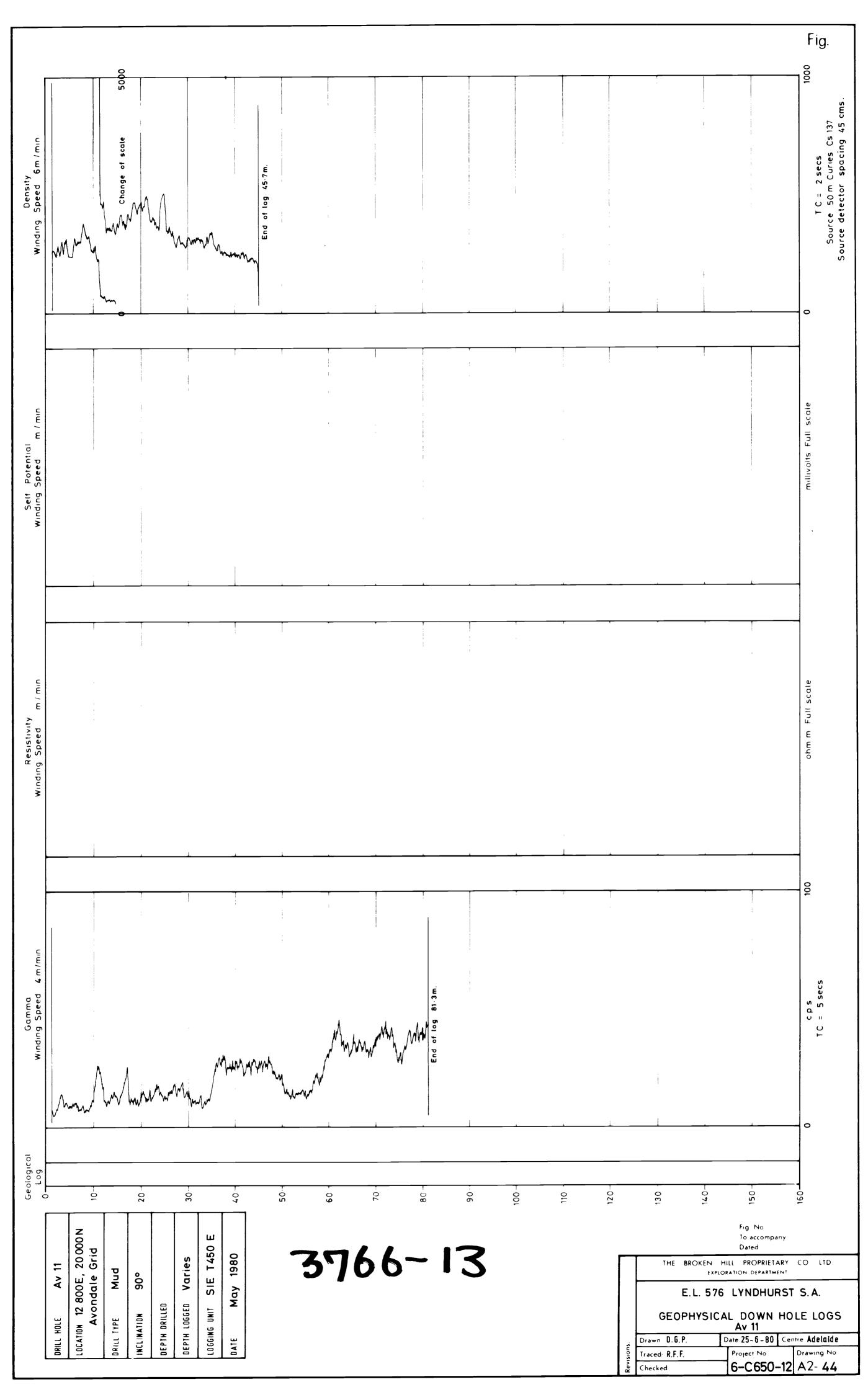


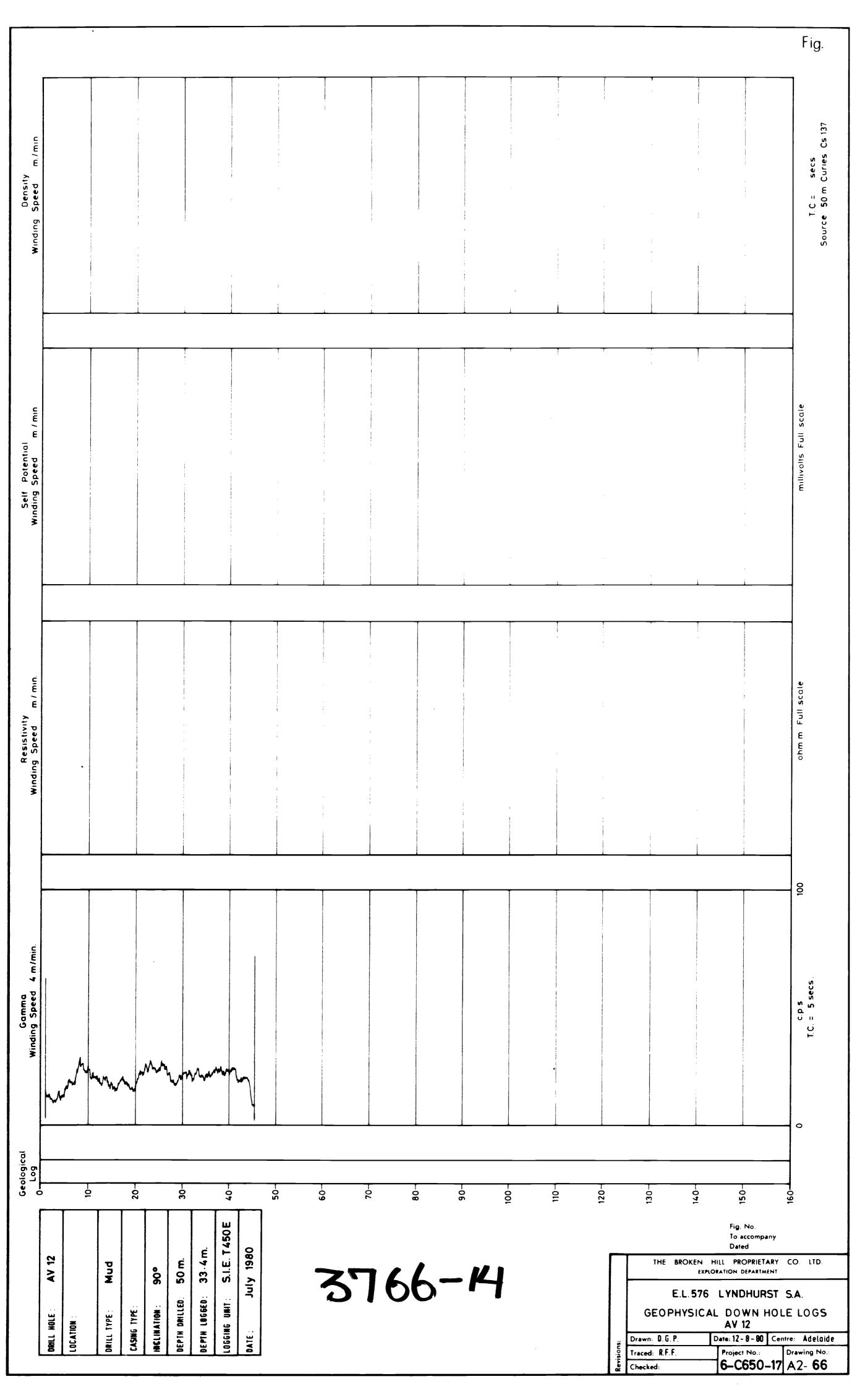


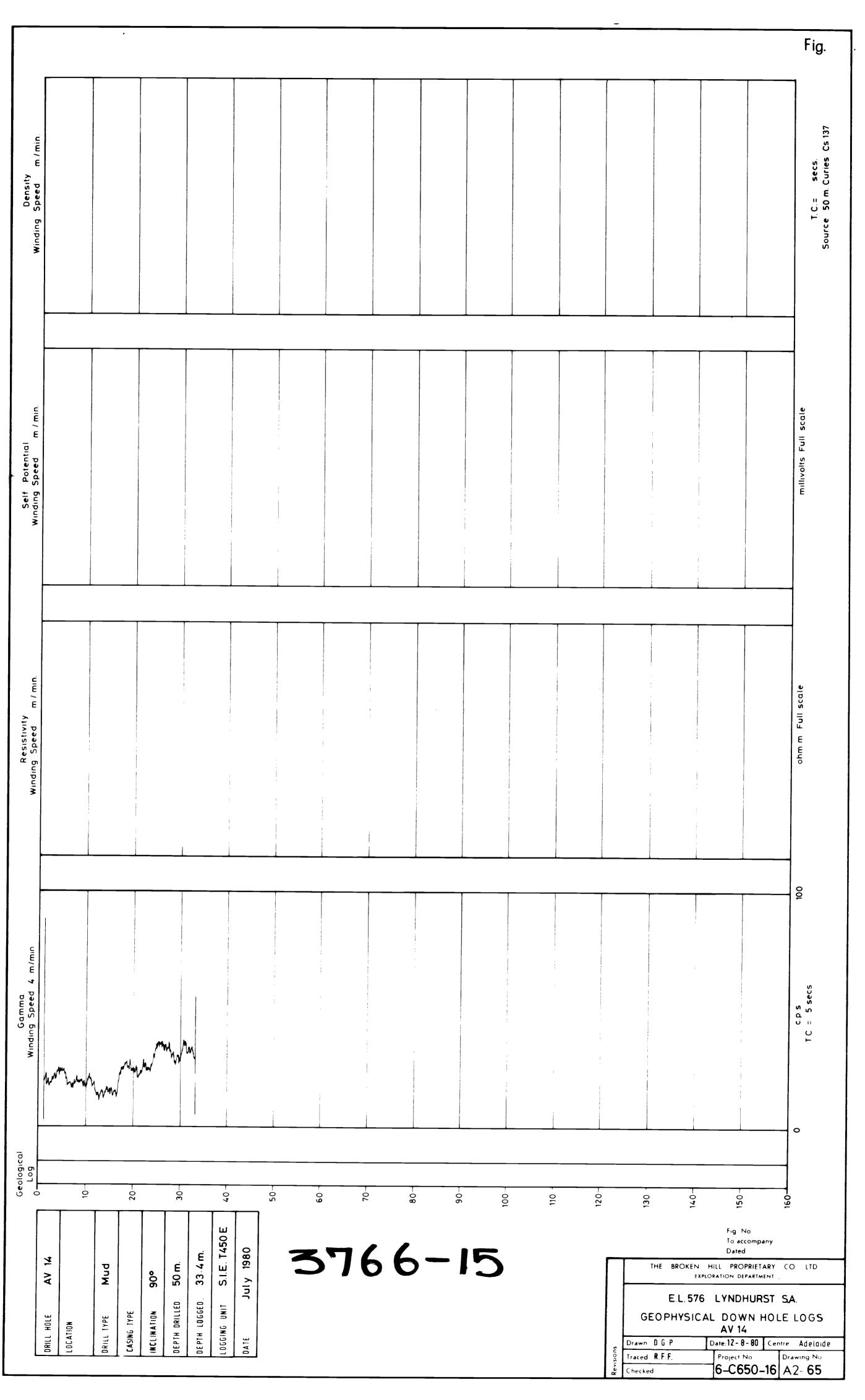


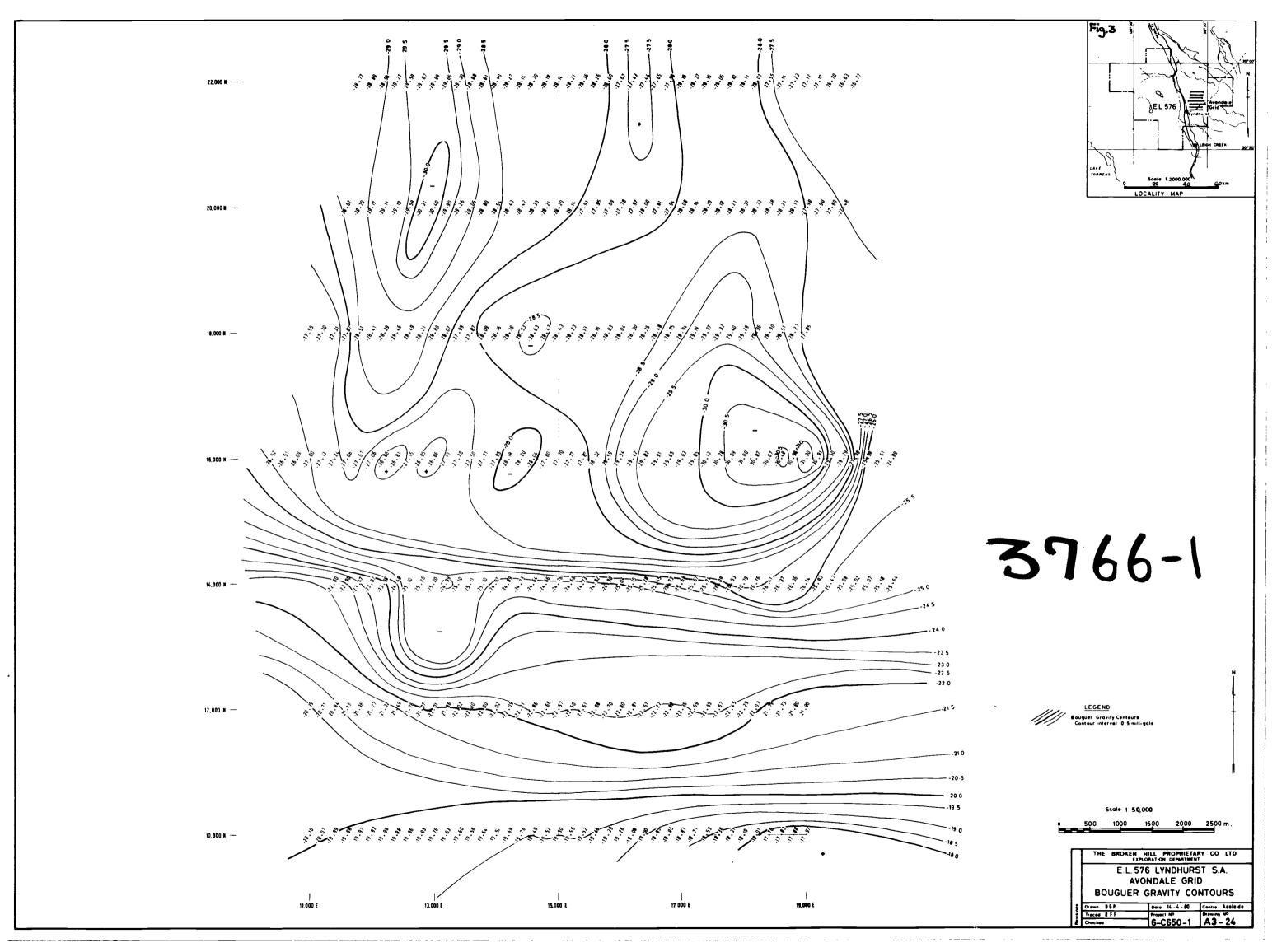












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- 3. EXPLORATION PROGRAMME
- 4. RESULTS

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  Rocky Dam Area
- 5. RECOMMENDATIONS

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Avondale Grid

Appendix 1 - Gravity Results, Lyndhurst Area,
Solo Geophysics

# 1. SUMMARY

A gravity survey was carried out over two areas 125 within Exploration Licence 576, Lyndhurst, S.A. to test for the presence of Mesozoic basins.

Two prospective gravity lows have been delineated and drilling is recommended.

Exploration Licence 576 of 2864 square kilometres, located near Lyndhurst, 500 km north of Adelaide, was granted for 6 months on 16th January 1980. Initially, the area was applied for to test isolated aeromagnetic anomalies selected by H. Rutter as possibly due to kimberlites. Subsequently, N. Lemon proposed that Mesozoic basins may be concealed beneath recent cover in two areas delineated after an analysis of structural elements in the surrounding Adelaidean outcrop areas. Coal, similar to the Leigh Creek deposits, may be present in such basins.

A small part of the area in question had been covered by the S.A. Department of Mines during a half mile grid gravity survey. Several gravity lows outside the areas covered by this report were identified. However drilling proved these not to be due to Mesozoic sediments.

## 3. EXPLORATION PROGRAMME

Approximately 60 kms of gravity traversing were read by Solo Geophysics along east west lines spaced 2 km apart over the Avondale Grid area. A further 10 km reconnaissance line (called the Rocky Dam line) was read 25 km west of the main grid. Figure 1 shows the location of the traverse lines.

The survey parameters are listed in Table 1.

Gravity was chosen because a Mesozoic basin should have an associated gravity low. The basins at Leigh Creek in S.A. have the following gravity lows:-

North Basin - Lobe D North Basin - Lobe C Telford Basin 3 milligals
1.5 milligals
10 milligals

Discussions with A. Muir from the Electricity Trust 127 of S.A. revealed an average S.G. for the Mesozoic sediments of 2.2 to 2.3. The surrounding Adelaidean rocks are 2.6 - 2.7. According to A. Muir the maximum thickness of Mesozoic sediments in the Telford Basin is 1100 metres, as indicated by seismic data. The shallower basins, having gentle dips, have proved more economical i.e. perhaps our best targets are gravity anomalies of 1 to 4 milligals.

	Table 1	
•	Avondale Grid	Rocky Dam Line
Line spacing	2 km	.=
Line bearing	082 <sup>0</sup> (mag)	082 <sup>0</sup> (mag)
Station spacing	200 m	200 m
Levelling	Optic (without closures)	Optic (without closures)
Height datum	AHD	Arbitrary
Drift control	Repeat readings approx. every 2 hours	Repeat readings approx. every 2 hours
Final reduction density	2.4	2.4

### 4. RESULTS

All data reductions are shown in Appendix 1, together with the profiles for both areas. The Avondale Grid data have been contoured at 0.5 milligal intervals (see Figure 2).

### Avondale Grid

The gravity contours show two promising features. On the western side of the grid a N-S discontinuous low extends from line 14000N to line 22000N. The low is 1-2 milligals in magnitude. Its linearity suggests that it is derived from the basement, however we cannot over-rule the possibility of a Mesozoic basin.

On the eastern side of the grid, centred on line 16000N, a strong gravity low of 3.5 milligals outlined an area of 10 square kms.

Two explanations of the above gravity lows are proposed:

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- 1. The low is due to lower density sandstone (an outcrop of such is mapped nearby) within predominately carbonates.
- 2. The low is due to a basement depression filled with lower density material, hopefully coal bearing Mesozoic sediments. Gravity modelling using densities of 2.25 for the lighter sediments and 2.6 2.7 for the surrounding Adelaidean indicate a possible 200-300 metres of Mesozoic sediments.

## Rocky Dam Area

No promising gravity lows were detected in this area. A two milligal increase at the eastern end of the line is completely over outcropping Skillogalee Dolomite and is probably due to increasing thickness of the dolomite as the traverse proceeds towards the axis of the syncline.

## 5. RECOMMENDATIONS

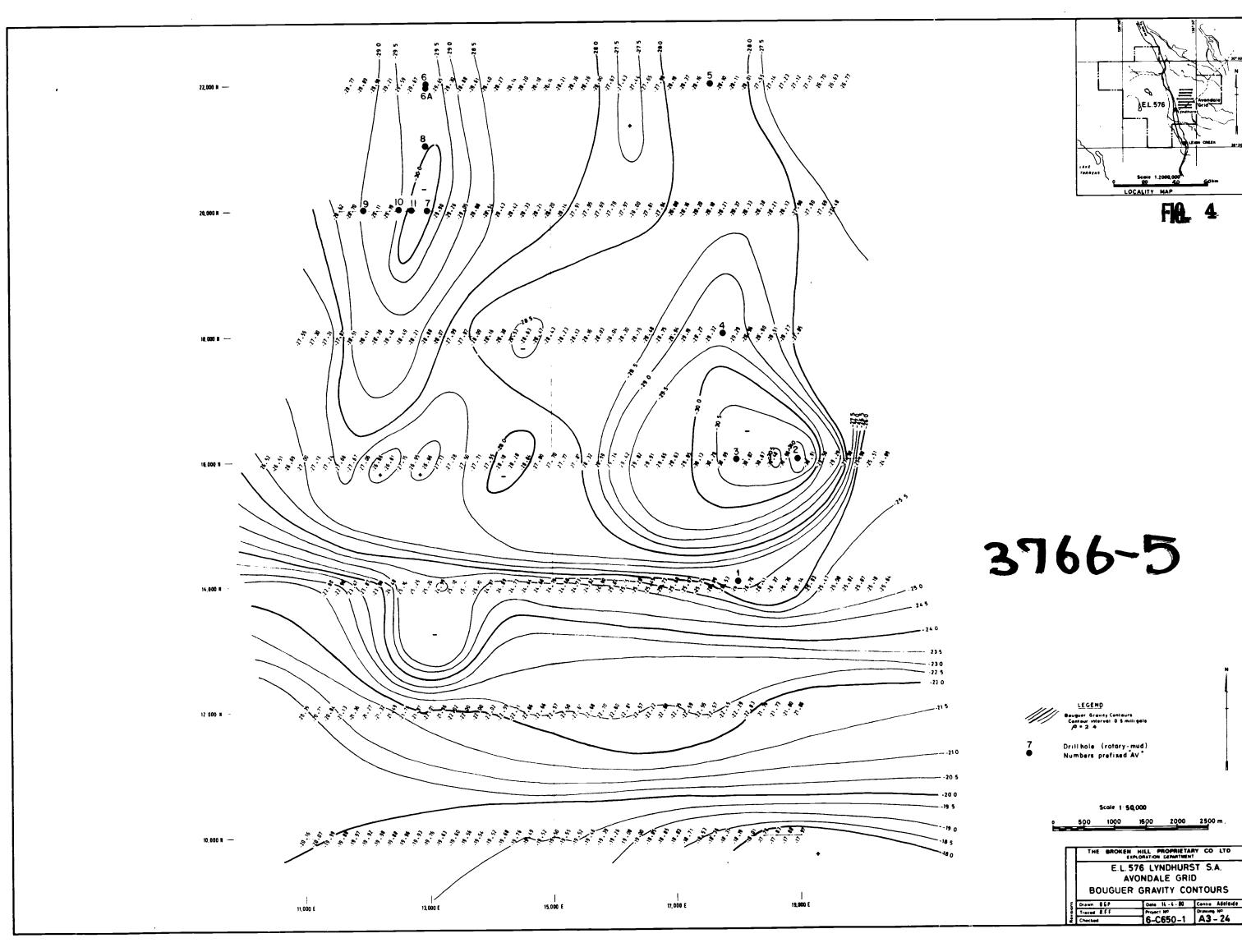
Drilling will be necessary on both lows detected on the Avondale Grid. It is recommended that the drillholes continue to basement or to the limit of the Bourne 1000 rig. Further holes may be needed closer to the edge of the gravity lows depending on the results of the first holes.

## Recommended drillsites

14000N / 18000E

16000N / 19000E

20000N / 13000E



## APPENDIX 3

E.L. 576, LYNDHURST, S.A.

GRAVITY SURVEY FOR COAL

LTD.

## APPENDIX 1

Gravity Results, Lyndhurst Area
Solo Geophysics

CLIENT: THE B.H.P. PTY CO. LTD.

AREA: LYNDHURST S.A.

GRID: AVONDALE, ROCKY DAM

SURVEY: GRAVITY

DATE: MARCH 1980.

- 1. REPORT
- 2. GRID MAPS AND LOCATIONS
- 3. GRAVITY BASE STATIONS
- 4. COMPUTER PROCESSED DATA
  - a. LINE FILES AND DENSITY PROFILES
  - b. LINE PROFILES AT 2.4 gms/c.c.
  - c. FIELD DATA REDUCTION

## .GRID.LINES

<b>A</b> .	ROCKY DAM	RECONNAISANCE LINE BRG 82 <sup>O</sup> /262 <sup>O</sup> MAGNETIC
	LINE 10.000N	10.000E to 20.000E
В.	AVONDALE GRID	BRG 82 <sup>O</sup> /262 <sup>O</sup> MAGNETIC
	LINE 10.000N	11.000E to 19.000E
	12.000N	11.000E to 19.000E
	14.000N	11.400E to 20.400E
	16.000N	10.400E to 20.400E
	18.000N	11.000E to 19.000E
	20.000N	11.600E to 19.600E
. <del>.</del>	22.000N	11.800E to 19.800E

For: THE BROKEN HILL PROPRIETARY CO. LTD.,

41 - 47 CURRIE STREET, ADELAIDE S.A. 5000.

Date: MARCH 1980.

The above survey was carried out on two areas near Lyndhurst, which is located near the western drainage of the Flinders Ranges and some 600 kilometres north of Adelaide. A two man crew, instruments and a four wheel drive vehicle were mobilized from Adelaide and used accommodation provided by the Lyndhurst Hotel.

#### GENERAL INFORMATION ABOUT THE SURVEY AREAS

#### a. AVONDALE GRID

This grid covers the Avondale homestead area which lies approximately 10 kilometres east of Lyndhurst. The Mundy creek system divides access to the grid as grid lines are not negotiable by vehicle across the steep creek and its dense vegetation. See grid map for access tracks when not using grid lines for access. The surface is generally flat with almost no vegetation except saltbush and bluebush. The Strezlechi Track crosses the south-eastern section of the established grid.

#### b. ROCKY DAM RECONNAISANCE LINE

This line lies approximately 30 kilometres northwest of Lyndhurst and just east of Minagoona Lake. It is situated on Witchelina Station property. Access was gained to the area by travelling south from the Farina to Witchelina Station road to Minagoona Dam, Minagoona Lake, across the lake if not wet and follow the fence west to the vermin fence. The intersection of these fences was the grid origin. This area has poor vehicle access due to numerous eroded creek channels crossing the survey line.

#### a. AVONDALE GRID

This grid was established by creating a grid origin at a point on the station track 500 metres north of Primrose Dam. This origin was called line 16.000N and 12.000E. All lines were established relative to this on a true east-west bearing and a separation of two kilometres. Magnetic variation was 8 E and line bearings were  $82^{\circ}/262^{\circ}$  magnetic A base line was created at 15.000E for the purpose of tying elevations and gravity stations. Survey lines were created by using a calibrated vehicle odometer for distance, wooden survey pegs at each 200 metre station and steel pegs at one kilometre stations and tracks. Pumpy level pegs were secured at the base of each steel peg and had a permatag attached. All wooden pegs were numbered by felt pen and had a permatag also attached. Grid flagging on all pegs was red and yellow.

#### b. ROCKY DAM RECONNAISANCE LINE

The origin of this line bearing 82<sup>0</sup>/262<sup>0</sup> was the corner of the fence from Minagoona Lake and the vermin fence approximately 3.5 kilometres west of this lake. This origin was called 10.000N line 18.000E. No elevation tie to AHD was readily accessible in this area. An exaggerated base tie to Lyndhurst for gravity was made, and showed almost no drift.

#### GRAVITY AND ELEVATION MEASUREMENTS

A La Coste & Romberg temperature compensated gravity meter No. G556 was used for the survey. All readings were observed in a loop configuration from a base station. As multiple bases were required these were tied to a main base, Base 1 and then to the BMR grid. The isogal level on the railway line at Lyndhurst was used as the other bases could not be located. However, a base tie to the hotel verandah was also made so that the data could be upgraded when a better isogal station is available. All elevations for the Avondale grid were corrected to AHD values from BM 3409 = 153.48 metres on the Strezlecki Track. Optical levelling without closures was used for all station elevations. Rocky Dam reconnaissance line was at an assumed elevation and all data reductions were relative to the main base station.

#### DATA REDUCTIONS AND COMPUTER PRESENTATION

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All field data was reduced in house on a Hewlett Packard 9845T computer using the standard International. Gravity formula. Corrections were applied for elevation, latitude and calculated densities from 2.0 to 3.0 gms/c.c. Line profiles of these ten selected densities were plotted with topography to indicate a suitable density relative to the survey area. Large scale 1:25.000 computer plots were produced at 2.4 gms/c.c. for each line, and a grid contour map. All field data for each operator loop plus sorted data and associated data reductions are included in the report.

Latitudes for bases are as shown on computer sheets.

#### SUMMARY

Warm periods still prevailed during the survey period in late March. Temperatures in the mid 40°C. required 5 a.m. early morning starts to prevent meter overheating during the day (above 52°C. in the sun, meter drift unstable). Optical levelling was more favourable and accurate during the cool early mornings to reduce heat shimmer errors. No surface cover made the area very uncomfortable for gravity surveying during the heat of the late afternoon.

No difficulties were encountered during the survey period; property owners Greg Hoddele at Mount Lyndhurst, and Lindsay at Avondale outstation were advised of our survey intentions and received us favourably.

for SOLO GEOPHYSICS AND CO.

BRIAN RAU MANAGER GRAVITY BASES USED ARE MARKED AS FOLLOWS ON STEEL PEGS WITH ALUMINIUM TAGS.

#### 1. AVONDALE

2. ROCKY DAM RECONNAISSANCE LINE 3.56 km west of Minagoona Lake

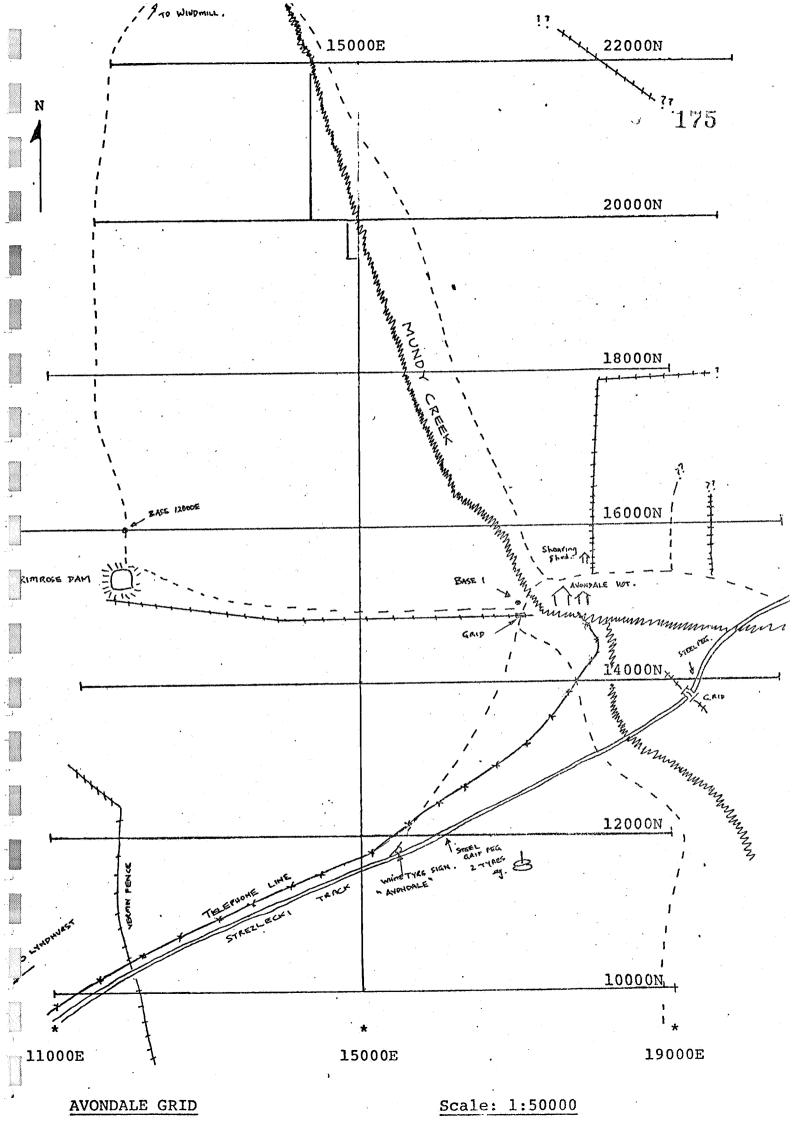
a. - " - 10.000N 18.000E

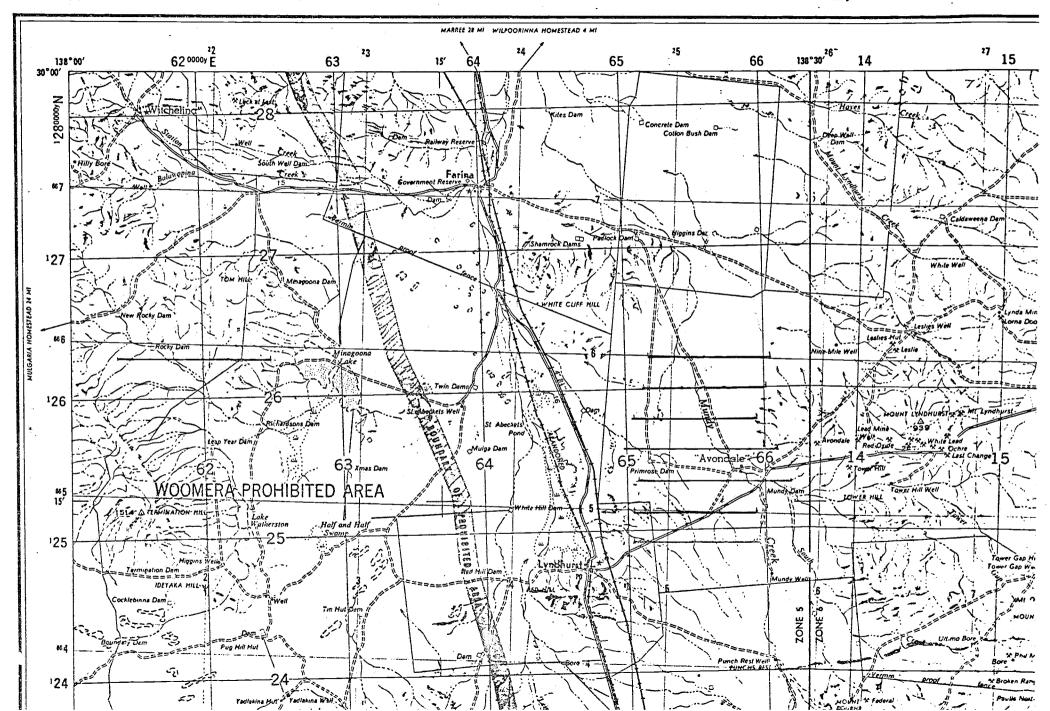
No steel peg, sited in N.W. fence corner, tags on fence.

#### 3. LYNDHURST

NO BASE MARK - HOTEL VERANDAH

N.E. corner, hotel front, concrete base. Leading position 1.0 metre north of hotel wall, 1.5 metres west along verandah.





MILLICAL VALUES FOR LACOSTE & ROMBERG, INC. MODEL G GRAVITY METER #G- 556

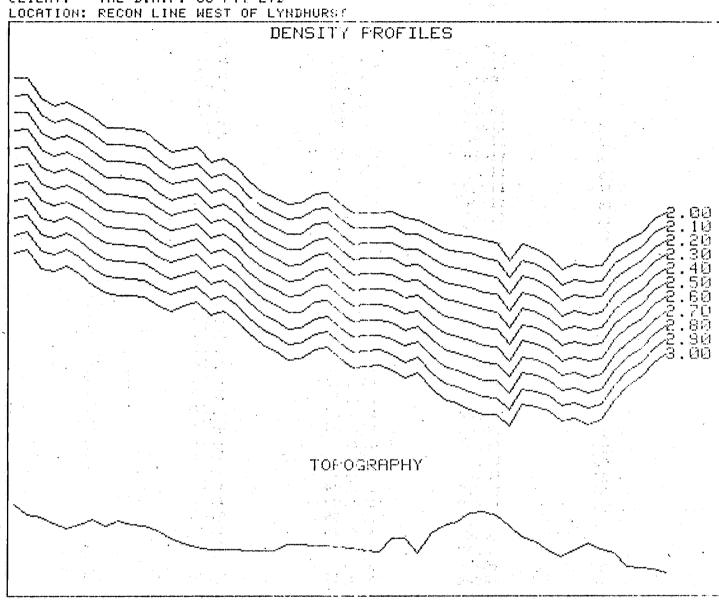
COUNTER READING*	VALUE IN . MILLIGALS	FACTOR FOR INTERVAL	COUNTER READING*	VALUE IN MILLIGALS	FACTOR FOR INTERVAL
000	000.00	1.01384	2600	3647.79	1.01384
100	101.38	1.01364	3600	3749.18	1.01388
200	202.75	1.01350	3700	3850.57	1.01390
300	304.10	1.01339	3800	3951.96	1.01393
400	405.44	1.01329	3990	4053.35	1.01396
500	506.77	1.01322	4000	4154.74	1.01399
600	608.09	1.01316	4100	4256.14	1.01401
700	709.40	1.01311	4200	4357.54	1.01403
800	310.72	1.01308	4300	4357.54 4458.95	1.01404
900	012.02	1.01305	4400	4560.35	1.01405
1000	1013.33	1.01303	4500		1.01405
1,700	1114.63	1.01302	4600	4661.76	1.01404
1200	1215.93	1.01300	4700	4763.16	1.01404
1300	1317.23	1.01300	4800	4864.57	1.01398
1400	1418.53	1.01300	4900	4965.97	1.01393
1500	1510.93	1.01300	5000	5067.36	1.01343
1600	1621.13	1.01300	5100	5168.76	1.01382
1700	1722.43	1.01301	5200	5270.15	
1800	1823.73	1.01302	5300	5371.53	1.01374
1900	1925.04	1.01303	5400	5472.90	1.01364
2000	2026.34	1.01305	5500	5574.27	1.01351
21.00	2127.64	1.01308	5600	5675.62	1.01338
2200	2228.95	1.01311	5700	5776.96	1.01324
2300	2330.26	1.01315	5800	5878.28	1.01310
2400	2431.58	1.01320	5900	5979.59	1.01294
2500	2532.90	1.01325	6000	6080.88	1.01277
2600	2634.22	1.01330	6100	6182.16	1.01260
2700	2735.55	1.01336	6200	6283.42	1.01242
2800	2836.89	1.01342	6300	6384.66	1.01223
2900	2038.23	1.01350	6400	6485.89	1.01203
3000	3039.58	1.01357	.6500	6587.09	1.01179
31.00	3140.04	1.01362	6600	6688.27	1.01156
3200	3242.30	1.01367	6700	6789.42	1.01132
3300	3343.67	1.01372	6800	6890.56	1.01108
3400	3445.04	1.01375	6900	6991.66	1.01084
3500	3546.41	1.01379	7000	7092.75	•

<sup>\*</sup> Note: Right-hand wheel on counter indicates approximately 0.1 milligal.

<sup>12-10-79</sup> 

BASE NUMBER	COORDINATES
·	Main Railway Base
2	14600N/17400E
3	16000N/12000E
4	16000N/16000E
5	14000N/18000E
6	14000N/15000E
7	14000N/13000E
8	12000N/15000E
9	10000N/15000E
	16000N/18100E
12	16000N/15000E
13	18000N/15000E
14	20000N/14900E
15	21900N/14400E
16	22000N/14600E
17	20000N/15600E
18	18000N/16000E
	• • • • • • • •

CLIENT: THE B.H.P. CO PTY LTD



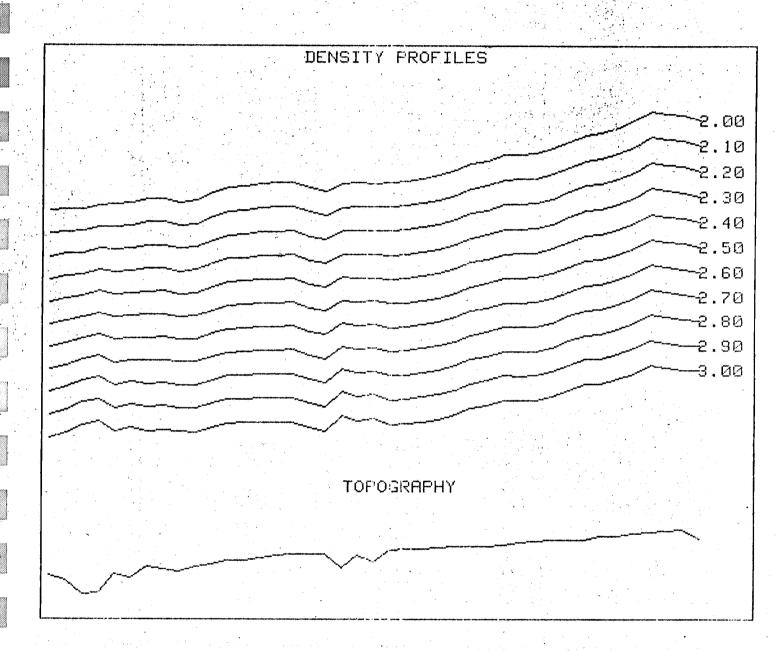
⊃W #	STATION NUMBER	ELEVATION (meters)	BOUGUER GRAVITY ANOMALY (mgals)	Loop #	
			the first man are the time that the the time that the time time time time time time time tim		
1	10000	149.78	5.86	3	
2	10200	145.84	5.91	3	
- 3	10400	144.55	5.20	3	
4	10600	141.57	5.00	3	
5	10800	139.38	5.14	3	
•	11000	141.35	4.89	3	
,	11200	143.43	4.54	3	
3	11400	140.73	4.23	3	
,	11600	142.91	4.20	3	
, )	11800	141.45	4,15	3	
L .	12000	140.77	4.08	3	
2	12200	138.51	3.71	3	
3	12400	135.17	3.45	3	A
<b>3</b> ↓.	12600	132.94	3.57	3	* of*
	12800	131.51	3.68	3	Maria San
5	13000	130.47	3.19	3	
007	13000	130.47	3.19 *	2	
P RPT	13200	130.31	3.32	2	
3	13400	130.15	2.98	2	
.:		129.76	2.52	2	
)	13600	129.76	2.12	2	
	13800	129.49	1.90	2	
2	14000	132.68	1.65	2	•
3	14200	132.40	1.68	. <u>-</u>	
<u> </u>	14400		2.01	2	• · · · · · · · · · · · · · · · · · · ·
5	14600	132.17	2.08	2	
5	14800	132.05	1.67	2	
?	15000	131.44 130.88	1.33	. 2	
3	15200	129.89	1.37	2	
<del>)</del>	15400	129.04	1.37	· 2	·
3	15600	135.09	1.33	2	
<u>l</u> ·	15800		1.07	2	
2	16000	135.35	1.08 *	·	
3 RPT	16000	135.35	1.13	· •	
4	16200	128.88	.76	•	
5	16400	137.34	.46	i	
5	16600	140.57		•	
7	16800	142.56			water a second
3	17000	146.30	.24	•	
•	17200	146.76	.07		
3	17400	145.20	.01		
1	17600	140.78	~.52	1	
2	17800	135.87	.13		•
3 .	18000	133.72	00	. 4	•
4 RPT	18000	133.72	00 *	1	
5	18200	129.64	22	4 .	
6	18400	127,12	65	4	
7	18600	129.57	50	4	
8	18800	133.12	63	4	
9	19000	130.17	-,55	4	
9	19200	128.84	.11	4	
	19400	122.69	.47	.4	
2	19600	121.93	.79	4	
3	19800	121.56	1.27	.4	
4	20000	120.00	1.55	4	

•	•									
ROW No.	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2,7	2.8	2.9
. 1	8.37	7.74	7.11	6.48	5.86	5.23	4.60	3.97	3.35	2.72
2	8.36	7.74	7.13	6.52	5.91	5.30			3.47	
3	7.62	7.02	6.41	5.80	5.20	4.59				
4	7.37	6.78	€.18		5.00	4.40			2.62	
5	7.48	6.89	6.31		5.14	4.56				
6	7.26	6.67	6.08	5.49		4.30				
7	6.94	6.34	5.74	5.14	4.54	3.94		2.74	2.14	
8	6.59	6.00	5.41	4.82	4.23	3.64			1.87	
. 9	6.60	6.00	5.40	4.80	4.20	3.60	3.00			
10	6.53	5.93	5.34	4.75	4.15	3.56	2.97	2.38		
11	6.44	5.85	5.26	4.67	4.08	3.49	2.90	2.31	1.72	1.13
12	6.03		4.87	4.29	3.71	3.13	. 2.55	1.97	1.39	.81
13	5.72	5.15	4.58	4.02	3.45	2.89	2.32	1.75	1.19	.62
14	5.80	5.24	4.68	4.12	3.57	3.01	2.45	1.90		
15	5.88	5.33	4.78	4.23	3.68	3.13	2.58	2.02	1.47	.92
16	5.38	4.83	4.28	3.74	3.19	2.64			1.00	.46
17	5.38	4.83	4.29	3.74	3.19	2.65	2.10		1.00	.46
18	5.51	4.96	4.42	3.87	3.32	2.78	2.23		1.14	
19	5.16	4.62	4.07	3.53	2.98	2.43		1.34	.88	
20	4.69	4.15	3.61	3.06	2.52	1.97			.34	
21	4.29	3.75	3.20	2.66	2.12	1.57		.48		
22	4.07	3.53	2.99		1.90		.81			
23	3.88	3.32	2.77	2.21		1.10	.54	01		
24	3.90	3.34	2.79	2,23		1.12		.01		
25	4.22	3.67	3.12	2.56	2.01			. 35	21	
26	4.29	3,74	3.18	2.63	2.08		.97			69
27	3.87	3.32	2.77	2.22	1.67	1.12			54	
28	3.52	2.98	2.43	1.88	1.33		.23	32	86	
29	3.55	3.00	2.46	1.91	1.37	B - W - San	.28	26		
30	3.53	2.99	2.45	1.91	1.37				~.89	
31	3.60	3.03	2.46	1.90					93	
32	3.34	2.78	2.21	1.64		.51			-1.19	
33	3.34	2.78		1.64			~.06			
34	3.29	2.75		1.67	1.13		.05	49		-1.57
35		2.48		1.33			40		-1.55	
36	2.82	2.23	1.64	1.05	.46	12	71	-1.30	-1.89	-2.48
37	2.74	2.14	1.55	.95	.35	25	84	-1.44	-2.04	-2.64
38	2.69	2.08	1.47	.85	.24	37	99	-1.60	-2.21	-2.83
39	2.53	1.92	1.30	.69	.07	54	-1.16	-1.77	-2.39	-3.00
40	2.45	1.84		.62	.01	60	-1.21	-1.81	-2.42	-3.03
41	1.84	1.25	.66	.07	52	-1.11	-1.70	-2.29	-2.88	-3.47
42 43	2.41 2.24	1.84 1.68	1.27	.70	.13	44	-1.01	-1.58	-2.15	-2.72
44	2.24			.56	00	56	-1.13	-1.69	-2.25	-2.81
45	1.96	1.68 1.41	1.12 .87	.56	00	56	-1.13	-1.69	-2.25	-2.81
46	1.48	.95	. 42	.33 12	22 <i>6</i> 5	76 -1.18	-1.30 -1.71	-1.85 -2.25	-2.39	-2.93
47	1.68								-2.78	-3.31
	1.60	1.13 1.04	. 59 . 49	.05 07	50 63	-1.04 -1.19	-1.58	-2.12 -2.20	-2.67	-3.21 -2.42
	1.63	1.04	.49				-1.74	-2.30	-2.86 -2.74	-3.42 -2.20
49 50	2.27	1.73	1.19	01 .65	55	-1.10 43	-1.65 - 97	-2.19	-2.74	-3.28 -2.50
51	2.53	2.01	1.50	.99	.11 .47	43	97 56	-1.51	-2.05	-2.59
52	2.83	2.32	1.81	1.30	.79	.28	23	-1.07 74	-1.58	-2.10
53	3.31	2.80	2.29	1.78	1, 27	.76	.25	26	-1.25 77	-1.77 -1.28
54	3.56	3.06	2.56	2.06	1.55	1.05	.55	.04	46	-1.28 96
- 1	0.00	0,00		_,00		1.00	• 00	. 07	* T.D	• 20

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CLIENT: THE B.H.P. CO PTY LTD LOCATION: AVONDALE GRID LYNDHURST S.A.

LINE 10000

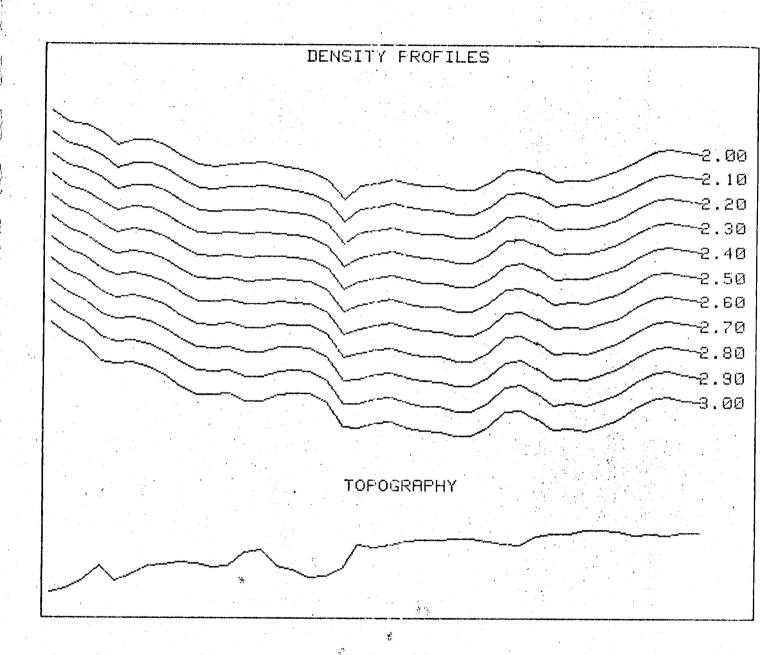


NUMBER  11000 11200 11400 11600 12000 12200 12260 12600 12800 13000	(meters) 147.70 145.60 139.83 140.59 148.09 146.47 151.18 150.24 148.83	ANOMALY (mgals)  -20.16 -20.07 -19.99 -19.88 -19.97 -19.88 -19.88	Loop # 14 14 14 14 14	
11200 11400 11600 11800 12000 12200 12400 12600 12800	145.60 139.83 140.59 148.09 146.47 151.18 150.24 148.83	-20.07 -19.99 -19.88 -19.97 -19.92 -19.88	14 14 14 14 14	
11200 11400 11600 11800 12000 12200 12400 12600 12800	145.60 139.83 140.59 148.09 146.47 151.18 150.24 148.83	-20.07 -19.99 -19.88 -19.97 -19.92 -19.88	14 14 14 14 14	
11400 11600 11800 12000 12200 12400 12600 13000	139.83 140.59 148.09 146.47 151.18 150.24 148.83	-19.99 -19.88 -19.97 -19.92 -19.88	14 14 14 14 14	
11600 11800 12000 12200 12400 12600 12800	140.59 148.09 146.47 151.18 150.24 148.83	-19.88 -19.97 -19.92 -19.88	14 14 14	
11800 12000 12200 12400 12600 12800 13000	148.09 146.47 151.18 150.24 148.83	-19.97 -19.92 -19.88	14 14	
12000 12200 12400 12600 12800 13000	146.47 151.18 150.24 148.83	-19.92 -19.88	14	
12200 12400 12600 12800 13000	151.18 150.24 148.83	-19.88		
12400 12600 12800 13000	150.24 148.83			
12600 12800 13000	148.83	_10 00	14	
12800 13000		-12.00	14	
13000		-19.96	14	
	150.86	-19.93	14	· > .
	152.31	-19.76	14	
13200	153.52	-19.63	14	
13400	153.85	-19.60	14	
13600	154.77	-19.56	14	
13800	155.54	-19.54	14	e : 50%
				* * **
		· · · · · · · · · · · · · · · · · · ·	= -	•
				1.3
				and a second
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			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Art Wash
				•
		•		
10000	162.37	<u>~,</u> ,/.∀∀	1.79	
	14000 14200 14400 14600 14800 15000 15200 15400 15600 16200 16400 16600 17200 17400 17400 17800 18200 18800 18800 18800 19000	14000       156.13         14200       156.14         14400       156.18         14600       150.57         14800       155.50         15000       153.14         15200       157.71         15400       158.02         15600       158.27         15800       158.69         16000       159.06         16200       159.20         16400       159.88         16800       160.68         17000       161.15         17200       161.69         17400       161.52         17800       163.36         18000       164.21         18400       164.84         18600       165.21	14000       156.13       -19.52         14200       156.14       -19.68         14400       156.18       -19.76         14600       150.57       -19.49         14800       155.50       -19.52         15000       153.14       -19.50         15200       157.71       -19.55         15400       158.02       -19.52         15600       158.27       -19.46         158.00       158.69       -19.39         16000       159.06       -19.39         16200       159.06       -19.00         16400       159.88       -18.85         1600       159.88       -18.85         17000       161.15       -18.83         17200       161.69       -18.71         17400       161.52       -18.53         17800       163.36       -18.31         18000       163.43       -18.19         18200       164.21       -18.01         18400       164.84       -17.76         18600       165.21       -17.83	14000       156.13       -19.52       14         14200       156.14       -19.68       14         14400       156.18       -19.76       14         14600       150.57       -19.49       14         14800       155.50       -19.52       14         15000       153.14       -19.50       14         15200       157.71       -19.55       15         15400       158.02       -19.52       15         15600       158.27       -19.46       15         15800       158.69       -19.39       15         16000       159.06       -19.39       15         16200       159.06       -19.26       15         16400       159.06       -19.00       15         16400       159.06       -19.00       15         16600       159.00       -18.85       15         17000       161.15       -18.85       15         17400       161.52       -18.53       15         17800       163.36       -18.31       15         18000       163.43       -18.19       15         18400       164.21       -18.01       15

			•				•			
ROW No.	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
1	-17.68	-18.30	-18.92	-19.54	-20.16	-20.78	-21.40	-22.02	-22.64	-23.26
2	-17.63	-18.24	-18.85	-19.46	-20.07	-20.68	-21.29	-21.90	-22.51	-23.12
3	-17.65	-18.24	-18.82	-19.41	-19,99	-20.58	-21.17	-21.75	-22.34	-22.92
4	-17.52	-18.11	-18.70	-19.29	-19.88	-20.47	-21.05	-21.64	-22.23	-22.82
5				-19.35						
6	-17.46	-18.08	-18.69	-19.31	-19.92	-20.53	-21.15	-21.76	-22.38	-22.99
7	-17.35	-17.98	-18.62	-19.25	-19.88	-20.52	-21.15	-21.78	-22.42	-23.05
8	-17.36	-17.99	-18.62	-19.25	-19.88	-20.50	-21.13	-21.76	-22.39	-23.02
9	-17.46	-18.08	-18.71	-19.33	-19,96	-20.58	-21.20	-21.83	-22.45	-23.07
10	-17.40	-18.03	-18.66	-19.30	.19.93	-20.56	-21.19	-21.83	-22,46	-23.09
11	-17.21	-17.84	-18.48	-19,12	-19.76	-20.40	-21.04	-21.67	-22.31	-22.95
12	-17.06	-17.70	-18.34	-18.99	-19.63	-20.27	-20.92	-21.56	-22.20	-22.85
13				-18.96						
14				-18.91						
15				-18.89						
16	-16.90	-17.56	-18.21	-18.87	-19.52	-20.18	-20.83	-21.48	-22.14	-22.79
17				-19.03						
18	-17.15	-17.80	-18.46	-19.11	-19.76	-20.42	-21.07	-21.73	-22.38	-23.04
19	-16.97	-17.60	-18.23	-18.86	19.49	-20.12	-20.75	-21.39	-22.02	-22.65
20	-16.91	-17.57	-18.22	-18.87	19.52	-20.17	-20.82	-21.48	-22.13	-22.78
21	-16.94	-17.58	-18.22	-18.86	-19.50	-20.15	-20.79	-21.43	-22.07	-22.71
22				-18.89						
23	-16.88	-17.54	-18.20	-18.86	-19.52	-20.19	-20.85	-21.51	-22.17	-22.84
24	-16.81	-17.47	-18.13	-18.80	-19.46	-20.12	-20.79	-21.45	-22.11	-22,78
25	-16.73	-17.39	-18.06	-18.72	-19.39	-20.05	-20.72	-21.38	-22.05	-22.71
56	-16.59	-17.26	-17.92	-18.59	-19,26	-19.92	-20.59	-21.26	-21,92	-22.59
27				-18.42						
28	-16.33	-17.00	-17.66	-18.33	-19.00	-19.66	-20.33	-21.00	~21.66	-22.33
29				-18.18						
30	-16.15	-16.83	-17.50	-18,17	-18.85	-19.52	-20.19	-20.87	-21.54	-22.21
31	-16.12	-16.80	-17.48	-18.15	-18.83	-19.50	-20.18	-20.85	-21.53	-22.20
32				-18.03						
33				-17.85						
34	-15.65	-16.32	-17.00	-17.68	-18.36	-19.04	-19.72	-20.40	-21.08	-21.76
35	-15.57	-16.26	-16.94	-17.63	-18.31	-19.00	-19.68	-20.37	-21.05	-21.73
36	-15.45	-16.14	-16.82	-17.51	-18,19	-18.88	-19.56	-20.25	-20.93	-21.62
37,	-15.26	-15.94	-16.63	-17.32	-18.01	-18.70	-19.38	-20.07	-20.76	-21.45
38				-17.07						
39'				-17.13						
48	~15.10	-15.79	-16.49	-17.18	-17.88	-18.57	-19.27	-19.96	-20.66	-21.35
41	-15.25	-15.93	-16.61	-17.29	-17.97	-18.65	-19.33	-20.02	-20.70	-21.38

CLIENT: THE B.H.P. CO PTY LTD LOCATION: AVONDALE GRID LYNDHURST S.A.

LINE 12000



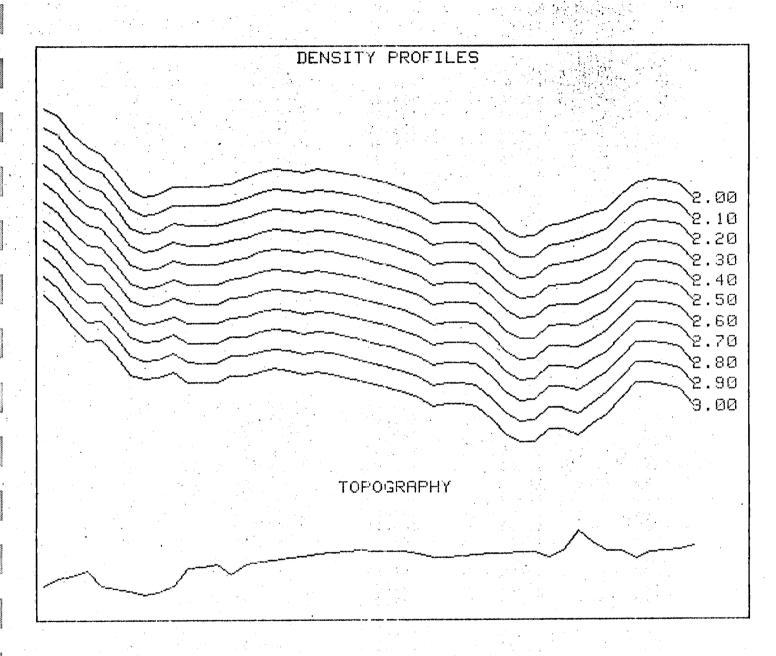
ow	STATION	ELEVATION	BOUGUER GRAVITY		•
# 	NUMBER	(meters)	ANOMALY (mgals)	#.	
				•	
1	11000	133.37	-20.39	13	
2	11200	134.46	-20.71	13	
3	11400	137.93	-20.84	13	
4	11600	143.55	-21.13	13	*
5	11800	137.58	-21.36	13	
5	12000	140.08	-21.27	13	
,	12200	143.25	-21.32	13	
3	12400	144.01	-21.49	13	
	12600	144.83	-21.76	13	
)	12800	144.17	-21.97	13	
ĺ	13000	142.69	-22.01	13	
	13200	143.52	-21.96	13	
3	13400	148.76	-22.02	13	, P
	13600	149.55	-22.00	13	
, ·	13800	143.45	-22.00	13	
	14000	141.92	-22.02	13	
	14200	139.23	-22.09	13	
<b>;</b>	14400	139.73	-22.31	13	
	14600	142.65	-22.86	13	
;				13	
	14800	151.59	-22.66		***
	15000	150.77	-22.57	12	
•	15200	151.85	-22.50	12	
<b>!</b>	15400	153.31	-22.61	12	**
e ja	15600	153.49	-22.68	12	*e
i	15800	153.67	-22.70	12	
	16000	154.01	-22.80	12	
	16200	154.14	-22.81	12	
	16400	153.16	-22,59	12	
	16600	152.04	-22.22	12	
	16800	151.87	-22.18	12	
	17000	155.04	-22.35	12	
RPT	17000	155.04	-22.31 *	12	
	17200	156.08	-22.59	12	
	17400	156.20	-22.55	12	
	17600	157.39	-22.57	12	
	17800	157.72	-22.45	12	
	18000	157.03	-22.29	12	
	18200	155.84	-22.03	12	
I	18400	155.93	-21.79	12	
·   .	18600	155.82	-21.73	12	
	18800	156.40	-21.80	12	
	19000	156.52	-21.86	12	e e e

•				* .		19		•		
ROW No.	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
1	-18.15	-18.71	-19.27	-19.83	-20.39	-20.94	-21.50	-22.96	-22.62	-23 18
. 2	-10.40	-19.02	: -19.58	-20.15	-20.71	-21.27	-21.84	-22.40	-22 96	-22 52
3	-18.53	-19.11	-19.69	-20.26	-20.84	-21.42	-22.00	-22.58	-23 15	-23.33
4	-18.72	-19.32	-19.92	-20.52	-21.13	-21.73	-22.33	~22.93	-23.10	-24 12
5	-19.05	-19.63	-20.21	-20.78	-21.36	-21.94	-22.51	-23 09	-23.55	-24.10
. 6	18.92	-19.51	-20.10	-20.68	-21.27	-21.86	-22.44	-23.03	~23.62	~24.24 ~24.21
7	-18.92	-19.52	-20.12	-20.72	-21.32	-21.92	-22.52	~23.12	-23 72	-24 22
8	-19.08	-19.68	-20.29	-20.89	-21.49	-22.10	-22.70	-23.38	-23 91	-24.51
9	-19.33	-19.94	-20.55	-21.15	-21.76	-22.37	-22.98	-23.58	-24.19	-24 90
10	779.56	-20.16	-20.76	-21.37	21.97	-22.58	~23.18	-23.79	-24 39	~24 99
11	-19.62	-20.22	-20.82	-21.41	-22.01	-22.61	-23.21	-23.81	-24 40	-25 00
12	-19.56	-20.16	-20.76	-21.36	-21.96	-22.57	-23.17	-23.77	-24.37	-24 97
13	-19.53	-20.15	-20.78	-21.40	-22.02	-22.65	-23.27	~23.89	-24 52	-25 14
14	-19.50	-20.12	-20.75	-21.38	-22.00	-22.63	-23.26	-23 88	-24 51	-25,14
15	-19.59	-20.19	-20.79	-21.39	-22.00	-22.68	-23.20	-23.80	-24 40	-25 00
16	-19.64	-20.24	-20.83	-21.43	-22.82	-22.62	-23.21	~23.81	-24 40	-25.00
17	-19.75	-20.34	-20.92	-21.50	-22.09	-22.67	-23.25	-23.84	-24 42	-25 00
18	-19.97	-20.55	-21.14	-21.73	-22.31	-22.98	-23.48	-24 07	~21 65	-25.00
19	-20.47	-21.07	-21.67	-22.26	-22.86	-23.46	-24.06	-24.66	-25 25	-05 05
20	-20.11	-20.75	-21.39	-22.02	-22.66	-23.29	-23.93	-24.56	-25 20	-25.00
21	~20.04	-20.67	-21.30	-21.93	-22.57	-23.28	-23.83	-24.46	-25.89	~25 <u>7</u> 2
22	-19.95	-20.59	-21.22	-21.86	-22.50	-23.13	-23.77	-24.40	-25.04	-25 68
23	-20.04	-20.68	-21.33	-21.97	-22.61	-23.25	-23.90	-24.54	-25.18	-25.82
24	-20.11	-20.75	-21.39	-22.04	~22.68	-23.32	~23.97	-24.61	-25.25	-25, 90
25	-20.12	-20.76	-21.41	-22.05	-22.70	-23.34	-23.98	-24.63	-25.27	~25.92
26	-20.22	-20.86	-21.51	-22.16	-22.80	-23.45	~24.09	-24.74	-25.38	~26.93
27	-20.22	-20.87	-21.51	-22.16	-22,81	-23.45	-24.10	-24.74	-25.39	-26.84
28	-20.02	-20.66	-21.31	-21.95	-22,59	-23.23	-23.87	-24.52	-25,16	-25.80
29	-19.67	-20.31	-20.95	-21.58	-22,22	-22.86	-23.50	-24.13	-24.77	-25.41
30	-19.63	-20.27	-20.91	-21.54	-22.18	-22.82	-23.45	-24.09	-24.73	-25.36
31	-19.75	-20.40	-21.05	-21.70	-2 <b>2.</b> 35	-23.00	-23.65	-24.30	-24.94	-25.59
32	-19.71	-20.36	-21.01	-21.66	-22,31	-22.96	-23.61	-24.26	-24.91	-25.56
33	-19.97	-20.63	-21.28	-21.94	-22.59	~23.24	-23.90	-24.55	-25, 21	~25.88
34	-19.93	-20.59	-21.24	-21.89	-22.55	-23.20	-23.86	-24.51	-25.17	-25,82
35	-19.93	-20.59	-21.25	-21.91	-22.57	-23.23	-23.89	-24.55	-25.21	-25.87
36	-19.80	-20.46	-21.12	-21.78	-22.45	-23.11	-23.77	-24.43	-25.09	-25 25
37	-19.66	-20.32	-20.97	-21.63	22,29	-22.95	-23.61	-24.26	-24.92	-25 50
38	-19.41	-20.07	-20.72	-21.37	-22.03	-22.68	-23.33	-23.99	-24.64	-95 9Q
39	-19.18	-19.83	-20.48	-21.14	-21.79	-22.44	-23.10	-23.75	-24.40	-25 06
40	-19.12	-19.77	-20.42	-21.07	-21.73	-22.38	-23.03	-23.69	-24, 34	-24 99
41	-19.17	-19.83	-20.48	-21.14	-21.80	-22.45	-23.11	-23.76	-24 42	-25 az
42	-19.23	-19.89	-20.55	-21.20	-21.86	-22.51	-23.17	-23.83	-24.48	-25.14

CLIENT: THE B.H.P. CO PTY LTD

LOCATION: AVONDALE GRID LYNDHURST S.A.

LINE 14000

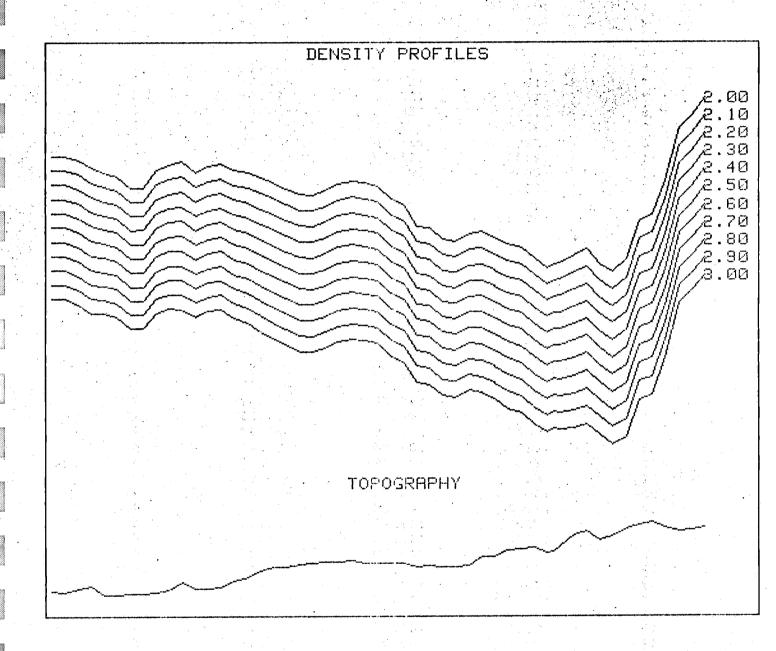


ψ. WO		STATION NUMBER	ELEVATION (meters)	BOUGUER GRAVITY ANOMALY (mgals)	Loop #	
	-	NONBER	· · · · · · · · · · · · · · · · · · ·	- nachuri (mgars)	17 	
1	•	11400	135.80	-22.60	10	
2		11600	138.85	-22.90	10	
3			139.92	-23.47	10	
		11800				*
4		12000	141.91	-23.87	10	
5		12200	135.68	-23.98	10	
6		12400	134.74	-24.48	10	
7	:- `	12600	134.04	-25.10	10	
8		12800	132.68	-25.26	1.0	
9		13000	133.48	-25.20	9	
0		13200	135.86	-24.99	9	
1		13400	142.95	-25.10	9	
2		13600	143.49	-25.11	9	1
3		13800	144.11	-25.10	9	
4		14000	140.28	-24.97	9	
5		14200	144.44	-24.89	9	
6		14400	145.13	-24.73	ģ	
7	* *	14600	145.78	-24.64	ý	· 4
8		14800	146.59	-24.66	ģ	
9		15000		and the state of t	9	
	DOT		147.30	-24.76		
0	RPT	15000	147.30	-24.76 *	9	**
1	RPT	15000	147.30	-24.76 *	7	*
2		15200	148.12	-24.68	7	
3		15400	148.52	-24.73	7	.*
4		15600	149.22	-24.82	7	
5	•	15800	149.66	-24.90	7	
6	*	16000	149.06	-25.04	7	
7		16200	149.01	-25.15	7	
8		16400	148.90	-25.28	7	•
9		16600	148.36	-25.45	7	•
Ó		16800	146.87	-25.73	7	
					7	
1		17000	146.92	-25.68	=	
2		17200	147.31	-25.67	7	4
3		17400	147.66	-25.71	7	
4		17600	148.02	-26.09	7	
5	•	17800	148.31	-26.53	7	. *
6		18000	148.55	-26.79	7	
7	•.	18200	148.70	-26.76	8	
8		18400	146.88	-26.41	8	
9		18600	149.23	-26.37	8	
0	RPT	18600	149.23	-26.37 *	8	
1		18800	157,18	-26.36	8	
2		19000	152.79	-26.14	8	
3		19200	149.38	-25.93	8	
4		19400	148.95	-25.47	8	
5		19600	146.36	-25.08	8	
6		19800	148.74	-25.02	.8	
7		20000	149.13	-25.07	8	
ខ	•	20200	149.54	-25.18	8	
9		20400	150.87	-25.64	8	

**	****	****	****	****	****	****	*****	*****	*****	*****	*****
ROI No		2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
	1	-20.33	-20.90	-21.47	-22.04	-22.60	-23.17	-23.74	-24.31	-24.88	-25.45
	2	-20.57	-21.15	-21.73	-22.32	-22.90	-23.48	-24.06	-24.64	-25.23	-25.81
	3		-21.71							-25.82	
	4	1								-26.25	
	5									-26.25	
	6									-26.74	
	7									-27.34	
	8									-27.49	
	9									-27.44	
	10									-27.27	
	11									-27.50	
	12									-27.52	
	13	-22.69	-23.29	-23.89	-24.50	-25.10	-25.71	-26.31	-26.91	-27.52	-28.12
	14	-22.62	-23.21	-23.80	-24.39	-24.97	-25.56	-26.15	-26.74	-27.33	-27.91
	15	-22.47	-23.07	~23.68	-24.28	24.89	-25.49	-26.10	-26.70	-27,31	-27.91
	1.6	-22,30	-22.91	-23.52	-24.12	-24.73	-25.34	-25.95	-26.56	-27.16	-27,77
	17	-22.19	-22.80	-23.41	-24.02	-24.64	-25.25	-25.86	-26.47	-27.08	-27.69
	18	-22.20	-22.81	-23.43	-24.04	~34.66	-25.27	-25.89	-26.50	-27.12	-27.73
	19	-22.29	-22.91	-23.53	-24.15	-24.76	-25.38	-26.00	-26.61	-27.23	-27.85
	20	-22.29	-22.91	-23.53	-24.14	-24.76	-25.38	-26.00	-26.61	-27.23	-27.85
	21	-22,29	-22.91	-23.53	-24.15	-24.76	-25.38	-26.00	-26.61	-27.23	-27.85
	22	-22,19	-22.82	-23.44	-24.06	-24.68	-25.30	-25.92	-26.54	-27.16	-27.78
	23	-22.24	-22.86	-23.48	-24.11	-24.73	-25.35	-25.97	-26.60	-27.22	-27.84
	24	-22.32	-22.94	-23.57	-24.19	-24.82	-25.45	-26.07	-26.70	-27.32	-27.95
	25									-27.41	
	26	-22.54	-23.17	-23.79	-24.42	-25.04	-25.67	-26.29	-26.92	-27.54	-28.17
	27	-22.65	-23.27	-23.90	-24.52	-25.15	-25.77	-26.40	-27.02	-27.64	-28.27
	28									-27.78	
	29									-27.94	
	30									-28.20	
	31									-28.14	
2 · .	32									-28.14	
	33									-28.19	
	34									-28.57	
	35									-29.02	
	36									-29.28	
	37									-29.25	
	38									-28.88	
	39									-28.87	
	40									-28.87	
	41									~28.99	
	42									-28.70	
	43									-28.44	
	44									-27.96	
	45									-27.53	
	46									-27.52	
,	47									-27.57	
	48									-27.69	
	49	-23.11	-23.74	-24.37	-25.00	-25.64	-26.27	-26.90	-27.53	-28.16	-28.80
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#### GRAVITY DENSITY ANALYSIS

CLIENT: THE B.H.P. CO PTY LTD LOCATION: AVONDALE GRID LYNDHURST S.A. LINE 16000



187A

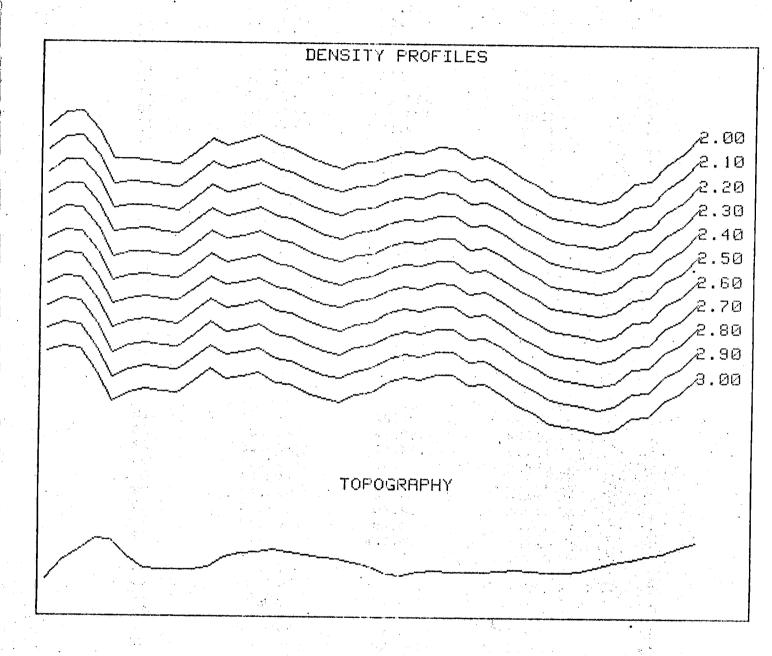
1 10400 127.27 -26.52 3 3 3 10800 126.92 -26.51 3 3 3 10800 128.70 -26.69 3 4 11000 129.97 -27.00 3 5 11200 125.44 -27.13 3 6 11400 125.59 -27.24 3 7 11600 126.16 -27.68 3 8 11800 126.47 -27.67 3 9 12000 127.12 -27.66 2 10 12000 127.12 -27.66 2 11 12000 128.16 -26.86 2 11 12000 128.16 -26.86 2 11 12000 128.16 -26.86 2 11 12000 128.16 -26.86 2 11 12000 128.99 -27.15 2 12 12600 128.99 -27.15 2 13 12000 128.99 -27.15 2 14 13000 129.36 -26.86 2 14 13000 129.36 -26.86 2 15 13200 132.29 -27.13 2 2 16 13400 134.24 -27.28 2 17 13600 137.37 -27.50 2 18 13800 138.80 -27.71 2 19 14000 138.71 -27.95 2 19 14000 138.71 -27.95 2 2 14 14000 140.63 -28.20 2 12 14400 140.63 -28.20 2 12 14400 140.63 -28.20 2 2 14500 141.11 -28.04 2 2 12 14400 140.63 -28.20 2 2 12 14400 140.63 -28.20 2 2 12 14400 140.63 -28.20 2 2 12 14400 140.63 -28.20 2 2 12 14400 140.63 -28.20 2 2 12 14400 140.63 -28.20 2 2 12 14400 140.63 -28.20 2 2 14600 141.11 -28.04 2 2 2 14600 141.74 -27.70 2 2 2 14600 140.47 -27.70 2 2 2 14600 140.47 -27.87 2 2 2 14600 140.47 -27.87 2 2 2 2 14600 140.47 -27.87 2 2 2 2 14600 140.47 -27.87 2 2 2 2 14600 140.47 -27.87 2 2 2 2 14600 140.47 -27.87 2 2 2 2 14600 140.47 -27.87 2 2 2 2 14600 140.47 -27.87 2 2 2 2 14600 140.47 -27.87 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	row #	. san ann ann jan jan ann an aire .	STATION NUMBER	ELEVATION (meters)	BOUGUER GRAVITY ANOMALY (mgals)	Lоор #	
2 10600 126.92 -26.51 3 3 10800 128.70 -26.69 3 4 11000 129.97 -27.00 3 5 11200 125.44 -27.13 3 6 11400 126.16 -27.68 3 8 11800 126.16 -27.68 3 8 11800 126.16 -27.68 3 8 11800 126.16 -27.68 3 9 12000 127.12 -27.06 2 10 12200 128.16 -26.86 2 11 1 2400 131.79 -26.81 2 12 12600 128.98 -27.15 2 11 1 2400 131.79 -26.81 2 12 12600 128.99 -27.15 2 14 13000 129.36 -26.86 2 15 13200 132.29 -27.13 2 16 13400 134.24 -27.28 2 17 13600 137.37 -27.50 2 18 13800 138.80 -27.71 2 19 14000 138.71 -27.95 2 10 14200 140.63 -28.18 2 21 14400 140.63 -28.18 2 22 14600 141.11 -28.04 2 23 14800 141.52 -27.80 2 24 15000 141.74 -27.70 2 25 15400 140.47 -27.77 2 26 15400 140.47 -27.77 2 26 15400 140.47 -27.77 2 27 15600 140.47 -27.77 2 28 15800 140.87 -27.77 2 29 16000 139.18 -29.91 4 30 16200 139.18 -29.82 4 31 16400 140.47 -27.70 2 25 15400 140.47 -27.77 2 26 15400 140.47 -27.77 2 27 15600 140.87 -27.77 2 28 15800 140.87 -27.77 2 29 16000 139.18 -29.82 4 31 16400 139.18 -29.82 4 32 16600 139.18 -29.82 4 33 16800 139.18 -29.82 4 34 17000 143.70 -29.86 * 4 37 RPT 17200 143.70 -29.86 * 4 38 17400 146.49 -30.13 4 39 17600 147.51 -30.28 4 40 17800 147.51 -30.28 4 41 18000 153.32 -31.30 5 42 18100 146.13 -30.87 4 44 18400 146.13 -30.87 4 45 18000 155.96 -30.48 5 46 18000 155.96 -30.48 5 47 19000 155.96 -30.48 5 48 19200 157.05 -30.91 5 49 19400 158.80 -29.50 5 50 19600 155.78 -27.95 5 50 19600 160.11 -29.29 5 51 19000 157.78 -27.98 5			10100	407.07	0.5 50		
3							
4 11000 129,97 -27,00 3 5 11200 125,44 -27,13 3 6 11400 126,16 -27,68 3 8 11800 126,16 -27,68 3 8 11800 126,17 -27,06 2 10 12200 128,16 -26,86 2 11 12400 131,79 -26,81 2 12 12600 128,98 -27,13 2 13 12800 128,98 -27,13 2 14 13000 129,36 -26,86 2 15 13200 132,29 -27,13 2 16 13400 137,37 -27,50 2 17 13600 137,37 -27,50 2 18 13800 138,80 -27,71 2 19 14000 138,71 -27,95 2 20 14200 140,36 -28,18 2 21 1 14408 140,36 -28,18 2 22 14600 141,11 -28,04 2 22 14600 141,11 -28,04 2 23 14800 141,74 -27,70 2 24 15900 140,87 -27,77 2 25 15200 140,87 -27,87 2 26 15400 140,87 -27,87 2 27 15600 140,87 -27,87 2 28 15800 139,18 -29,34 2 30 16200 139,18 -29,34 2 31 16400 139,18 -29,34 2 32 16600 139,18 -29,34 2 33 16800 139,18 -29,82 4 34 17000 143,85 -29,63 4 35 17200 143,70 -29,86 4 36 RPT 17200 143,70 -29,86 4 37 RPT 17200 143,70 -29,86 4 38 17400 146,13 -30,28 4 40 17800 147,51 -30,28 4 40 17800 147,51 -30,28 4 40 17800 147,51 -30,28 4 41 18000 153,95 -30,48 5 44 18400 146,13 -30,87 5 45 19000 153,32 -31,30 5 48 19200 153,32 -31,30 5 48 19200 153,32 -31,30 5 48 19200 153,80 -29,50 5 50 19600 153,32 -31,30 5 48 19200 153,80 -29,50 5 50 19600 157,78 -27,98 5		•					
5         11200         125,44         -27,13         3           6         11400         125,59         -27,24         3           7         11600         126,16         -27,68         3           8         11800         126,47         -27,67         3           9         12000         127,12         -27,06         2           10         12200         128,16         -26,86         2           11         12400         131,79         -26,81         2           12         12600         128,98         -27,15         2           13         12800         128,89         -26,95         2           14         13000         129,36         -26,86         2           15         13200         132,29         -27,13         2           16         13400         134,24         -27,28         2           17         13600         137,37         -27,50         2           18         13800         138,80         -27,71         2           20         14200         140,63         -28,18         2           21         14400         140,63         -28,20         2<							
6		•					
7       11600       126.16       -27.68       3         8       11800       126.47       -27.67       3         9       12000       127.12       -27.06       2         10       12200       128.16       -26.86       2         11       12400       131.79       -26.81       2         12       12600       128.99       -27.15       2         13       12800       128.89       -26.95       2         14       13000       129.36       -26.95       2         15       13200       132.29       -27.13       2         16       13400       134.24       -27.28       2         17       13600       137.37       -27.50       2         18       13800       138.80       -27.71       2         19       14000       148.36       -28.18       2         21       14400       140.63       -28.20       2         21       14400       140.63       -28.20       2         22       14600       141.52       -27.80       2         23       14800       141.74       -27.77       2		1.					
8							
12000						3	
18       12208       128.16       -26.81       2         11       12408       131.79       -26.81       2         12       12608       128.89       -27.15       2         13       12808       128.89       -26.95       2         14       13000       129.36       -26.86       2         15       13208       132.29       -27.13       2         16       13408       134.24       -27.28       2         17       13609       137.37       -27.50       2         18       13800       138.80       -27.71       2         19       14000       138.71       -27.95       2         20       14208       140.36       -28.18       2         21       14400       140.63       -28.28       2         22       14600       141.11       -28.04       2         23       14800       141.74       -27.70       2         24       15000       141.74       -27.77       2         25       15200       140.47       -27.87       2         27       15600       140.47       -27.87       2							
11       12400       131.79       -26.81       2         12       12600       128.89       -27.15       2         13       12800       128.89       -26.95       2         14       13000       129.36       -26.86       2         15       13200       132.29       -27.13       2         16       13400       134.24       -27.28       2         17       13600       137.37       -27.50       2         18       13800       138.80       -27.71       2         19       14000       138.71       -27.95       2         20       14200       140.36       -28.18       2         21       14400       140.63       -28.18       2         21       14400       140.63       -28.18       2         22       14600       141.11       -28.04       2         23       14800       141.52       -27.80       2         24       15000       141.74       -27.77       2         25       15280       140.87       -27.77       2         26       15480       146.87       -28.32       2							
12						2	
13       12808       128,89       -26,95       2         14       13000       129,36       -26,86       2         15       13200       132,29       -27,13       2         16       13400       134,24       -22,28       2         17       13600       137,37       -27,50       2         18       13800       138,80       -27,71       2         19       14000       138,71       -27,95       2         20       14200       146,63       -28,18       2         21       14400       146,63       -28,20       2         22       14600       141,11       -28,04       2         23       14800       141,74       -27,70       2         24       15000       140,87       -27,77       2         25       15200       140,87       -27,77       2         26       15400       140,87       -27,77       2         27       15600       140,87       -27,77       2         28       15800       140,63       -28,59       2         29       16000       139,18       -29,59       2						- <u>-                                  </u>	
14       13000       129,36       -26,86       2         15       13200       132,29       -27,13       2         16       13400       134,24       -27,28       2         17       13600       137,37       -27,50       2         18       13800       138,80       -27,71       2         19       14000       138,81       -27,71       2         20       14200       140,36       -28,18       2         21       14400       140,63       -28,20       2         21       14400       140,63       -28,20       2         21       14400       140,63       -28,20       2         22       14600       141,11       -28,04       2         23       14800       141,74       -27,70       2         24       15000       140,87       -27,77       2         25       15200       140,50       -28,32       2         27       15600       140,50       -28,32       2         28       15800       140,63       -28,32       2         29       16000       139,18       -29,34       2							
15					the state of the s		
16       13400       134.24       -27.28       2         17       13600       137.37       -27.50       2         18       13800       138.80       -27.71       2         19       14000       138.71       -27.95       2         20       14200       140.36       -28.18       2         21       14400       140.63       -28.20       2         22       14600       141.11       -26.04       2         23       14800       141.52       -27.80       2         24       15000       141.74       -27.77       2         25       15200       140.87       -27.77       2         26       15400       140.47       -27.87       2         27       15600       140.50       -28.32       2         28       15800       140.63       -29.32       2         29       16000       139.18       -29.34       2         30       16200       139.18       -29.34       2         31       16400       139.18       -29.9.29       4         32       16600       138.89       -29.91       4		•					
17       13600       137.37       -27.50       2         18       13800       138.80       -27.71       2         19       14000       138.71       -27.95       2         20       14208       140.36       -26.18       2         21       14400       140.63       -23.20       2         22       14600       141.11       -28.04       2         23       14800       141.74       -27.80       2         24       15000       141.74       -27.70       2         25       15200       140.87       -27.77       2         26       15400       140.47       -27.87       2         27       15600       140.50       -23.32       2         28       15800       140.63       -23.59       2         29       16000       139.18       -29.34       2         30       16200       139.18       -29.92       4         31       16400       139.18       -29.82       4         32       16600       138.89       -29.91       4         33       16800       139.42       -29.65       4							
18       13880       138.80       -27.71       2         19       14000       138.71       -27.95       2         20       14200       140.36       -28.18       2         21       14400       140.63       -28.20       2         22       14600       141.11       -28.04       2         23       14800       141.74       -27.80       2         24       15000       141.74       -27.70       2         25       15200       140.87       -27.77       2         26       15400       140.47       -27.87       2         27       15600       148.50       -28.32       2         28       15800       140.63       -29.32       2         29       16000       139.18       -29.34       2         30       16200       139.18       -29.34       2         31       16400       139.18       -29.82       4         32       16600       138.89       -29.91       4         33       16800       138.89       -29.91       4         34       17000       143.70       -29.86       *							and the second
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22       14600       141.11       -28.04       2         23       14800       141.52       -27.80       2         24       15000       141.74       -27.70       2         25       15200       140.87       -27.77       2         26       15400       140.47       -27.87       2         27       15600       140.50       -28.32       2         28       15800       140.63       -28.59       2         29       16000       139.18       -29.34       2         30       16208       139.26       -29.42       4         31       16400       139.18       -29.82       4         32       16600       139.18       -29.82       4         32       16600       139.18       -29.82       4         33       16600       139.42       -29.82       4         34       17000       143.89       -29.91       4         34       17000       143.70       -29.85       4         37       RPT       17200       143.70       -29.86 *       4         38       17400       146.49       -30.13       4						<u> </u>	1. A
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30       16200       139.26       -29.42       4         31       16400       139.18       -29.82       4         32       16600       138.89       -29.91       4         33       16800       139.42       -29.65       4         34       17000       143.85       -29.63       4         35       17200       143.70       -29.85       4         36       RPT       17200       143.70       -29.86 *       4         37       RPT       17200       143.70       -29.86 *       4         38       17400       143.70       -29.86 *       4         38       17400       145.70       -29.86 *       4         39       17600       147.51       -30.28       4         40       17800       148.10       -30.28       4         40       17800       148.10       -30.69       4         41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.							
31							
33       16800       139.42       -29.65       4         34       17000       143.85       -29.63       4         35       17200       143.70       -29.85       4         36       RPT       17200       143.70       -29.86 *       4         37       RPT       17200       143.70       -29.86 *       4         38       17400       143.70       -29.86 *       4         39       17600       145.49       -30.13       4         39       17600       147.51       -30.28       4         40       17800       147.51       -30.28       4         40       17800       145.57       -31.00       4         41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18600       155.96       -30.48       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       157.05       -30.91	31		16400	139.18	-29.82	4	
34       17000       143.85       -29.63       4         35       17200       143.70       -29.85       4         36       RPT       17200       143.70       -29.86 *       4         37       RPT       17200       143.70       -29.86 *       4         38       17400       146.49       -30.13       4         39       17600       147.51       -30.28       4         40       17800       148.10       -30.69       4         41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       153.32       -31.30       5         49       19400       158.88       -29.50       5         50       19600       160.11       -29.29       5         51       19800       157.78       -27.98 </td <td>32</td> <td></td> <td>16600</td> <td>138.89</td> <td>-29.91</td> <td>4</td> <td></td>	32		16600	138.89	-29.91	4	
35       17200       143.70       -29.85       4         36       RPT       17200       143.70       -29.86 *       4         37       RPT       17200       143.70       -29.86 *       4         38       17400       146.49       -30.13       4         39       17600       147.51       -30.28       4         40       17800       148.10       -30.69       4         41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       153.32       -31.30       5         48       19200       157.05       -30.91       5         49       19400       158.88       -29.50       5         50       19600       160.11       -29.29       5         51       19800       157.78       -27.98 </td <td>33</td> <td></td> <td>16800</td> <td>139.42</td> <td>-29.65</td> <td>4</td> <td></td>	33		16800	139.42	-29.65	4	
36       RPT       17200       143.70       -29.86 *       4         37       RPT       17200       143.70       -29.86 *       4         38       17400       146.49       -30.13       4         39       17600       147.51       -30.28       4         40       17800       148.10       -30.69       4         41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       153.32       -31.30       5         48       19200       157.05       -30.91       5         49       19400       158.88       -29.50       5         50       19600       160.11       -29.29       5         51       19800       157.78       -27.98       5	34		17000	143.85	-29.63	4	
37       RPT       17200       143.70       -29.86 *       4         38       17400       146.49       -30.13       4         39       17600       147.51       -30.28       4         40       17800       148.10       -30.69       4         41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       153.32       -31.30       5         48       19200       157.05       -30.91       5         49       19400       158.88       -29.50       5         50       19600       160.11       -29.29       5         51       19800       157.78       -27.98       5							
38       17400       146.49       -30.13       4         39       17600       147.51       -30.28       4         40       17800       148.10       -30.69       4         41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       153.32       -31.30       5         48       19200       157.05       -30.91       5         49       19400       158.88       -29.50       5         50       19600       160.11       -29.29       5         51       19800       157.78       -27.98       5							
39       17600       147.51       -30.28       4         40       17800       148.10       -30.69       4         41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       153.32       -31.30       5         48       19200       157.05       -30.91       5         49       19400       158.88       -29.50       5         50       19600       160.11       -29.29       5         51       19800       157.78       -27.98       5		RPT					
40       17800       148.10       -30.69       4         41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       153.32       -31.30       5         48       19200       157.05       -30.91       5         49       19400       158.88       -29.50       5         50       19600       160.11       -29.29       5         51       19800       157.78       -27.98       5							· ·
41       18000       145.57       -31.00       4         42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       153.32       -31.30       5         48       19200       157.05       -30.91       5         49       19400       158.88       -29.50       5         50       19600       160.11       -29.29       5         51       19800       157.78       -27.98       5						-	
42       18100       146.13       -30.87       4         43       18200       148.34       -30.87       5         44       18400       153.95       -30.67       5         45       18600       155.96       -30.48       5         46       18800       151.51       -30.96       5         47       19000       153.32       -31.30       5         48       19200       157.05       -30.91       5         49       19400       158.88       -29.50       5         50       19600       160.11       -29.29       5         51       19800       157.78       -27.98       5							
43     18200     148.34     -30.87     5       44     18400     153.95     -30.67     5       45     18600     155.96     -30.48     5       46     18800     151.51     -30.96     5       47     19000     153.32     -31.30     5       48     19200     157.05     -30.91     5       49     19400     158.88     -29.50     5       50     19600     160.11     -29.29     5       51     19800     157.78     -27.98     5		* *					* · · · · · · · · · · · · · · · · · · ·
44     18400     153.95     -30.67     5       45     18600     155.96     -30.48     5       46     18800     151.51     +30.96     5       47     19000     153.32     -31.30     5       48     19200     157.05     -30.91     5       49     19400     158.88     -29.50     5       50     19600     160.11     -29.29     5       51     19800     157.78     -27.98     5							
45     18600     155.96     -30.48     5       46     18800     151.51     -30.96     5       47     19000     153.32     -31.30     5       48     19200     157.05     -30.91     5       49     19400     158.88     -29.50     5       50     19600     160.11     -29.29     5       51     19800     157.78     -27.98     5							
46     18800     151.51     +30.96     5       47     19000     153.32     +31.30     5       48     19200     157.05     -30.91     5       49     19400     158.88     -29.50     5       50     19600     160.11     +29.29     5       51     19800     157.78     -27.98     5							* * * * * * * * * * * * * * * * * * * *
47     19000     153.32     -31.30     5       48     19200     157.05     -30.91     5       49     19400     158.88     -29.50     5       50     19600     160.11     -29.29     5       51     19800     157.78     -27.98     5							
48     19200     157.05     -30.91     5       49     19400     158.88     -29.50     5       50     19600     160.11     -29.29     5       51     19800     157.78     -27.98     5							
49     19400     158.88     -29.50     5       50     19600     160.11     -29.29     5       51     19800     157.78     -27.98     5							
50 19600 160.11 -29.29 5 51 19800 157.78 -27.98 5							
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No.	•		****	•		.*.	-	· · · · · · · · · · · · · · · · · · ·		
1	_24 20	_24 92	_95 <i>4</i> 5	-25 98	-26 52	-27.05	-27.58	-28.12	-28.65	-29.18
	-24.30	-24.74	-25.45	-20.90 -25 00	-20,02 -26 51	-27 04	~27.57	-28.10	-28.64	-29.17
2	-24.38	24.71	-25.45	-20.70	-26.01	-27.07	-27 77	-28 31	-28.85	-29.39
3	~24.00	~23.07 -25.07	-25.01	-26.15	27 00	-27.ES	-28 89	-22 64	-29.18	-29.73
4	724.82	-23.31	-23.91	-20.40	-27.19	-27.55	-28 18	~28.70	-29.23	-29.75
5 6	-25.02 -25.12	-23.55	-20.01	-26.00	-27 24	-27 77	-28.29	-28.82	-29.34	-29.87
5 E	-25.13 -25 52	-22,00	-26.19	-20.11	.27 68	-28.21	-28.73	-29.26	-29.79	-30.32
7	-20.00 -25.55	_20.07 _20.07	-26.62	-27 14	-07 47	-28 20	-28.73	-29.26	-29.79	-30.32
8 9	~23.33	-25.00	-25.01	_26 50	27 06	~27.59	-28.12	-28.65	-29.19	-29.72
	-04 71	-25.70	-25.72	-26.32	26 86	-27.40	-27.94	-28.47	-29.01	-29.55
10	24.71	-23.23	-25.70	-20.00	-26 91	-27 36	~27 91	-28.47	-29.02	-29.57
11	74,60	723.13	-26.70	-20.20	-20.01	-27.30	-29 24	-28 78	-29.32	-29.86
12	~24.77	-20.03	-20.01	-20.01	_06 05	-27.10	~20.27	-28 57	-29.11	-29.65
13	-24.79	~20,00	723.01	720.41	~3 <b>0.</b> 20	-27 40	-27 94	20.01	-29.03	-29 57
14	~24.69	-25.23	723.77	725.32		-27.40	-20 24	-20.70	-29.35	-29.9A
15	-24.91	~25,47	726.02	726.00	37 00	-27.00	-20.24	-20.17	-29.53	-30 09
16	-25.03	~25.59	~26.13	720.72	37 50	-20.04	-20.40 -20 65	-20.21	-29.81	-30 38
17	-25.20	-25.78	745.3D	720.73	27.00	-20.00		-29.20	-30.04	-30 62
18	-25.39	-25.97	~26.33	~27.13	27 OF	-20.00 -00.50	-20.00	_70 60	-20.07 -20.27	-30.86
19	-25.62	~26.20	-26.79	727.37 07 EO	20.90	20.33	-27.11 -29.25		-30.27	-31 12
20	-25.82	-26.41	-27.00	-27.09	~20.18	-28.77	20.33	-27.74 -20 06	-30.53	-01.12
21	-25.84	-26.43	-27.02	-27.61	~28.20	728.78	727.31	-27.70	-30.55	-20.14
22	-25.67	-26.26	-26.85	-27.45	-28.04	-28.63	-29.22	-53.01	-30.40	-30.77 -30.77
23	-25.43	-26.02	-26.62	-27.21	-27.80	-28.49	-28.77	729.38	-30.18	-20.11
24	-25.32	-25.92	-26.51	-27.11	-27.78	-28,29	-58.83	-27.45	-30.08	700.01 00 70
25	-25.41	-26.00	-26.59	-27.18	~27.77	-28.36	-28.95	-29.54	-30.13	~ଓଡ଼ା (ଘ ସମ ମଧ୍ୟ
26	-25.51	-26.10	-26.69	-27.28	27.07	-28.46	-29.64	~29.53	-30.22	~ 20.01
27	-25.96	-26.55	~27.14	-27.73	-28.32	-28.91	-29.50	-30.09	+30.67	~31.ಪರ ೧4 ಕನ
28	-26.23	-26.82	-27.41	-28.00	-28.59	-29.18	-29.77	-30.36	-30.95	731,34
29	-27.01	-27.59	-28.17	-28.76	-29.34	-29.92	-30.51	-31.09	-31.67	702.25
30	-27.09	-27.67	-28.25	-28.84	-29.42	-30.60	-30.59	-31,17	-31.76	732.04
31	-27.49	-28.07	-28.66	-29.24	-29.82	-30.41	-30.99	-31.57	-32.16	-32.74
32	-27.58	-28.16	~28.74	-29.33	-29,91	-30.49	-31.07	-31.65	-32.24	~32.82
33	-27.31	-27.89	-28.48	-29.06	29.65	-30.23	-30.82	-31.40	-31.98	-32.57
34	-27.22	-27.82	-28.42	-29.03		-30.23	-39.83	-31.44	-32.04	-32.54
35	-27.44	-28.05	-28.65	-29.25	-39.85	-30.46	-31.06	-31.66	-32.26	~32.86
36	-27.45	-28.05	-28.65	-29.25	-29.86	~30.46	-31.06	-31.66	-32.27	-32.87
. 37	~27.45	-28.06	-28.66	-29.26	-29.86	-30.46	-31.07	-31.67	-32.27	~32.87
38	-27.67	-28.29	-28.90	-29.51	~30.13	-30.74	-31.36	-31.97	-32.58	~33.20 33.20
39	-27.81	-28.43	-29.05	-29.66	-30,28	-30.90	~31.52	-32.14	~32.76	~33.31 99 70
40	-28.20	-28.83	-29.45	-30.07	-30.69	-31,31	-31.93	-32.55	-33.17	~33.17
41	-28.56	-29.17	-29.78	-30.39	-31.00	-31.61	-32.22	-32.83	-33.44	-34.83 60.00
42	-28.42	-29.03	-29.64	-30.25	-30.87	-31.48	-32.09	-32.70	~33.32	~33.93
43	-28.39	-29.01	-29.63	-30.25	-30.87	-31.49	-32.12	-32.74	-33.36	-33.98
44	-28.09	-28.74	-29.38	-30.03	-30.67	-31.32	-31.96	-32.61	-33.25	-33.90
45	-27.87	-28.52	-29.18	-29.83	30.48	-31.14	-31.79	-32.44	-33.10	-33.75
46	-28,42	-29.05	-29.69	-30.32	-30.96	-31.59	-32.23	-32.86	-33.50	-34.13
47	-28.73	-29.38	-30.02	-30.66	-31.30	-31.95	-32.59	-33,23	-33.87	-34.52
48									-33.54	
49	-26.83	-27.50	-28,16	~28.83	-29.50	-30.16	-30.83	-31.49	-32.16	-32.83
50	-26.61	-27.28	-27.95	-28,62	-29.29	-29.96	-30.63	-31.30	-31.97	-32.65
51	-25.34	-26.00	-26.66	-27.32	-27.98	-28.65	-29.31	-29.97	-30.63	-31.29
-52	-23.36	-24.02	-24.67	-25.32	-25.98	-26.63	-27.29	-27.94	-28.59	-29.25
53	-22.89	-23.54	-24.20	-24.85	-25.51	-26.16	-26.82	-27.47	-28.13	-28.79
54	-22.24	-22.91	-23.57	-24.23	-24.89	-25.55	-26.21	-26.88	-27.54	-28.20

CLIENT: THE B.H.P. CO PTY LTD

LOCATION: AVONDALE GRID LYNDHURST S.A.

LINE 18000



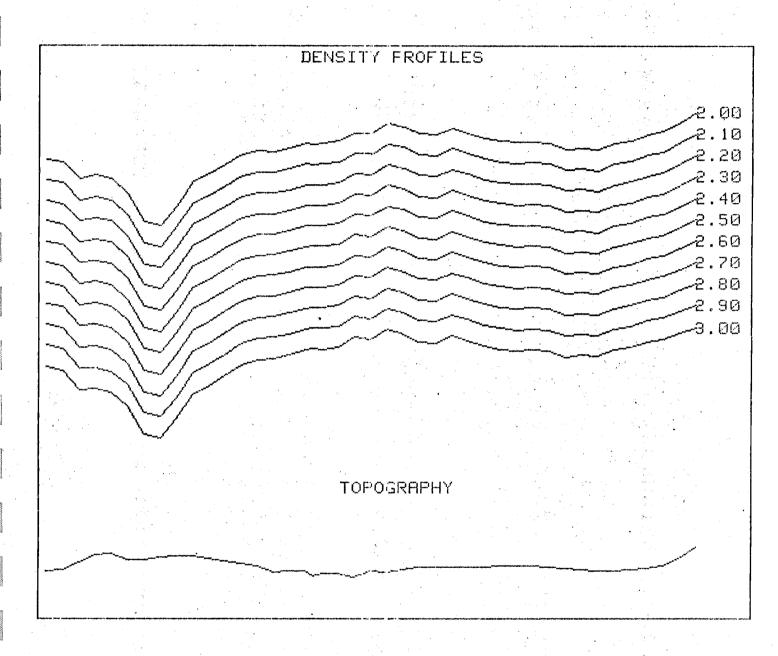
row	STATION	ELEVATION	BOUGUER GRAVITY	Loop #	
#	NUMBER	(meters)	ANOMALY (mgals)	#	
1	11000	131.78	-27.55	18	
2	11200	136.55	-27.30	18	
3	11400	139.39	-27.31	18	
4	11600	142.56	-27.81	18	,
5	11800	142.2)	-28.51	18	
6	12000	137.66	-28.41	18	
7	12200	134.62	-28.39	18	
8	12400	134.16	-28,46	18	1. 3. 1.
9 .	12600	134.22	-28.49	18	
10	12800	134.32	-28.21	18	
11	13000	135.16	-27.88	18	eri eri
12	13200	137.55	-28.07	18	**
13	13400	138.56	-27.99	18	
14	13600	139.05	-27.87	18	
15	13800	139.68	-28.09	18	4
16	14000	139.19	-28.16	18	, to the
17	14200	138.50	-28.38	18	
18	14400	137.74	-28.53	18	
19	14600	137.27	-28.63	18	
20	14800	136.40	-28.47	18	
21	15000	135.24	-28.43	20	
	PT 15000	135.24	-28.43 *	18	
23	15200	133.21	-28.23	20	
23 24	15480	132.85	-28.13	20	
	15600	133.82	-28.16	20	
25	15800	134.40	-28.03	20	
26	16000	133.82	-28.04	20	
27		133.82	-28.04 *	28	•
	PT 16000	133.92	-28.30	28	
29	16200	134.08	-28.25	28	
30	16400		-28.48	28	
31	16600	134.49 134.50	-28.75	28	
32	16800		~28.94	28	
33	17000	134.30	-29.19	28	
34	17200	134.09	-29.17	28	
35	17400	134.08	-29,32	28	
3€	17600	134.32		28	
37	17800	135.24	-29.40 -29.29	28	
38	18000	136.63	-29.29 -28.96	28	
39	18200	137.42		28	
40	18400	138.37	-28.90	28 28	
41.	18600	138.99	-28.51	28	2 - <del>20</del> 2 - 2
42	18800	140.66	-28,27	28	
43	19000	142.10	-27.85	40	

2.6 2.7 2.8 2.2 2.3 2.4 2.5 ROW 2.0 2.1 No. -25.34 -25.89 -26.44 -27.00 -27.55 -28.10 -28.65 -29.20 -29.76 -30.31 1 -25.01 -25.59 -26.16 -26.73 -27.30 -27.88 -28.45 -29.02 -29.59 -30.16 2 3 -24.97 -25.56 -26.14 -26.72 -27.31 -27.89 -28.48 -29.06 -29.65 -30.23 -25.42 -26.02 -26.62 -27.22 -27.81 -28.41 -29.01 -29.60 -30.20 -30.80 4 -26.13 -26.72 -27.32 -27.92 -28.51 -29.11 -29.70 -30.30 -30.90 -31.49 5 -26.10 -26.68 -27.26 -27.84 -28.41 -28.99 -29.57 -30.14 -30.72 -31.30 ્ 6 -26.14 -26.70 -27.27 -27.83 -28.39 -28.96 -29.52 -30.09 -30.65 -31.21 7 -26.21 -26.77 -27.33 -27.89 -28.46 -29.02 -29.58 -30.14 -30.71 -31.27 8 -26.24 -26.81 -27.37 -27.93 -28.49 -29.06 -29.62 -30.18 -30.74 -31.31 9 -25.95 -26.52 -27.08 -27.64 -28.21 -28.77 -29.33 -29.90 -30.46 -31.02 -25.61 -26.18 -26.75 -27.31 -27.88 -28.44 -29.01 -29.58 -30.14 -30.71 10 11 -25.76 -26.34 -26.92 -27.49 -28.07 -28.64 -29.22 -29.80 -30.37 -30.95 12 -25.66 -26.25 -26.83 -27.41 -27.99 -28.57 -29.15 -29.73 -30.31 -30.89 13 -25.54 -26.12 -26.71 -27.29 -27.87 -28.46 -29.04 -29.62 -30.20 -30.79 14 -25.75 -26.34 -26.92 -27.51 -28.09 -28.68 -29.27 -29.85 -30.44 -31.02 15 -25.83 -26.41 -27.00 -27.58 -28.16 -28.75 -29.33 -29.91 -30.50 -31.08 16 -26.05 -26.63 -27.21 -27.79 -28.38 -28.96 -29.54 -30.12 -30.70 -31.28 17 -26.22 -26.80 -27.38 -27.95 -28.53 -29.11 -29.69 -30.26 -30.84 -31.42 18 -26.33 -26.90 -27.48 -28.05 -28.63 -29.20 -29.78 -30.35 -30.93 -31.50 19 -26.18 -26.76 -27.33 -27.90 -28.47 -29.04 -29.61 -30.19 -30.76 -31.33 20 -26.16 -26.73 -27.29 -27.86 -28.43 -28.99 -29.56 -30.13 -30.69 -31.26 21 -26.16 -26.73 -27.29 -27.86 -28.43 -28.99 -29.56 -30.13 -30.69 -31.26 22 -25.99 -26.55 -27.11 -27.67 -28.23 -28.78 -29.34 -29.90 -30.46 -31.02 23 -25.91 -26.46 -27.02 -27.58 -28.13 -28.69 -29.25 -29.80 -30.36 -30.92 24 -25.92 -26.48 -27.04 -27.60 -28.16 -28.72 -29.29 -29.85 -30.41 -30.97 25 -25.77 -26.34 -26.90 -27.46 -28.03 -28.59 -29.15 -29.72 -30.28 -30.84 26 -25.80 -26.36 -26.92 -27.48 -28.04 -28.60 -29.16 -29.72 -30.28 -30.85 27 -25.80 -26.36 -26.92 -27.48 -28.04 -28.60 -29.16 -29.72 -30.28.-30.85 28 -26.05 -26.61 -27.17 -27.73 -28.30 -28.86 -29.42 -29.98 -30.54 -31.10 29 -26.00 -26.56 -27.12 -27.68 -28.25 -28.81 -29.37 -29.93 -30.49 -31.05 30 -26.22 -26.79 -27.35 -27.91 -28.48 -29.04 -29.60 -30.17 -30.73 -31.29 31 -26.50 -27.06 -27.62 -28.19 -28.75 -29.31 -29.88 -30.44 -31.00 -31.57 32 -26.68 -27.25 -27.81 -28.37 -28.94 -29.50 -30.06 -30.62 -31.19 -31.75 33 -26.95 -27.51 -28.07 -28.63 -29.19 -29.76 -30.32 -30.88 -31.44 -32.00 34 -27.02 -27.58 -28.14 -28.71 -29.27 -29.83 -30.39 -30.95 -31.52 -32.08 35 -27.07 -27.63 -28.20 -28.76 -29.32 -29.88 -30.45 -31.01 -31.57 -32.14 36 -27.13 -27.70 -28.26 -28.83 -29.40 -29.96 -30.53 -31.10 -31.66 -32.23 37 -27.00 -27.57 -28.15 -28.72 -29.29 -29.86 -30.44 -31.01 -31.58 -32.15 38 -26.65 -27.23 -27.81 -28.38 -28.96 -29.53 -30.11 -30.69 -31.26 -31.84 39 -26.58 -27.16 -27.74 -28.32 -28.90 -29.48 -30.06 -30.64 -31.22 -31.80 40 -26.18 -26.77 -27.35 -27.93 -28.51 -29.10 -29.68 -30.26 -30.84 -31.43 41 -25.91 -26.50 -27.09 -27.68 -28.27 -28.86 -29.45 -30.04 -30.63 -31.22 42 | -25.47 -26.06 -26.66 -27.25 -27.85 -28.45 -29.04 -29.64 -30.23 -30.83

CLIENT: THE B.H.P. CO PTY LTD

LOCATION: AVONDALE GRID LYNDHURST S.A.

LINE



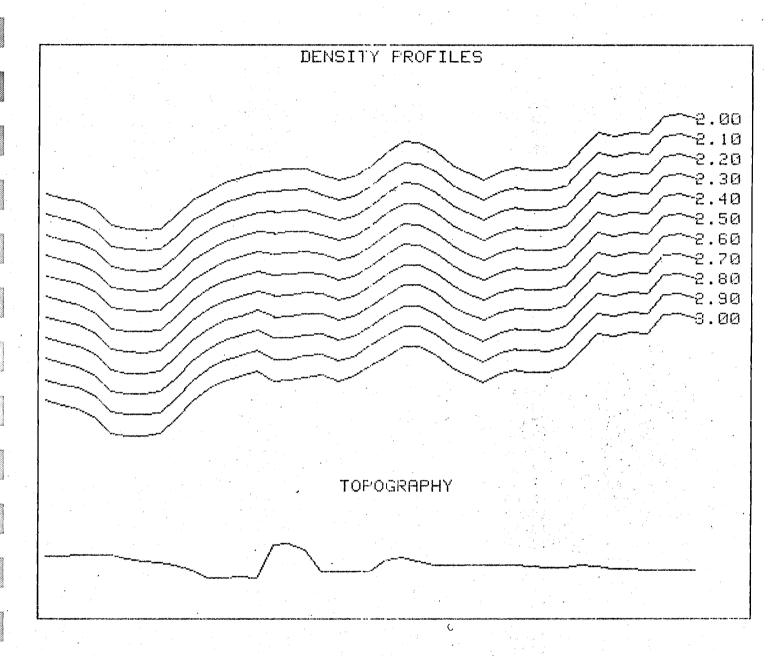
	Loop	GRAVITY		ELEVATION	STATION	row
	#	(mgals)	ANOMALY	(meters)	NUMBER	#
	**					
	19	8.62		128.52	11600	1
	19	3.70	-28	128.95	11800	2
	19	1,17	-29	130.63	12000	3
	19	.11		132,25	12200	4
	19	.19	-29	132.81	12400	5
	19	.58		131.33	12600	6
	19	31	30	131.23	12800	7
	19	1.40	-30	131.86	13000	. 8
	19	.90	-29	132.06	13200	9
	19	. 26	-29	131.99	13400	10
	19	.05	-29	131.60	13600	11
	19	.80		130.90	13800	12
2.8	19	3.54	-58	130.21	14000	13
	19	.43	-28	129.60	14200	14
	19	1.42		128.29	14400	15
	19	.33	-28	128.57	14600	16
•	19	1,21	-28	128.45	14800	17
	19	3.20	-28	127.46	14900	18
	21	3.20	-28	127.89	15000	19
and the second	21	3.14	-28	127.81	15200	20
	21	.91	27	127.15	15400	21
* * * .	21	`.95	-27	128.46	15600	22
	27	'.95 *	-27	128.46	15600	23 RPT
	27	. 69	-27	128.26	15800	24
	27	.78	-27	128.73	16000	
	27	.97	-27	129.35	16200	26
	27	8.00		129.35	16400	27
	27	'.81	-27	129.28	16600	28
	27	.94	-27	129.27	16800	29
	27.	8 <b>.0</b> 8		129.47	17000	30
	27	3.16		129.73	17200	31
	27	3.20	-28	129.72	17400	32
	27	3.18		129.64	17600	33
,s'	27	3.21		129.35	17800	34
	27	3.37		129.09	18000	35
	27	3.33		128.93	18200	36
- P	27	3.38		128.57	18400	37
	27	3.21		128.42	18600	38
	27	3.13		128.68	18800	39
	27	2.98		129.09	19000	40
	27	2.90		129.62	19200	41
	27	2.69		131.48	19400	42
	27	48		134.30	19600	7 Nime

ROW	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
No.					. 9	*			er professional and the second and t	
1	-26.46	-27.00	-27.54	-28.08	-28.6 <b>2</b>	-29.16	-29.70	-30.23	-30.77	-31.31
2	-26.54	-27.08	-27.62	-28.16	-28.70	-29.24	-29.78	-30.32	-30.86	-31.41
3									-31.36	
4									-31.32	
5									-31.42	
. 6									-31.79	
7									-32.51	
8									-32.61	
ğ	-27.69	-28.24	-28.80	-29.35	-29.98	-30.46	-31.01	-31.56	-32.12	-32.67
10									-31.47	
11									-31.26	
12									-31.00	
· 13									-30.73	
14									-30.60	
15									-30.57	
16									-30.49	
17	-26.05	-26.59	-27.13	-27.67	-28.21	-28.75	-29.28	-29.82	-30.36	-30.90
18									-30.34	
19									-30.34	
20									-30.28	
21									-30.04	
22									-30.10	
23									-30.10	
24									-29.84	
25									-29.94	
26		-26 34	-26 R9	-27 43	-27 97	-28.51	-29.85	-29.60	-30.14	-30.68
27	_25.00 _25.00	-20.97	_20.07	-27.46	-28 na	-08.54	-29.09	-29.63	-30.17	-30.71
28									-29.98	
29									-30.11	
30									-30.25	
31									-30.33	
									-30.38	
32									-30.35	
33									-30.38	
34	725.04	726.JF	727.13	~2(.p)	- 100 AA I	_20.FJ	_22.00	_20.04	-30.53	-31 07
35	~26.20	726,73	72(.27	727.00		-20.71		_22.22 _20 05	-30.33	-01.0:
36	-25.17	759.71	727.20	77.01	76 <b>0</b> ,00	720,01	-00 46	_27.70	-30.53	-01.00
37									-30.36	
38										
39									-30.29	
40									-30.14	
41									-30.07	
42									-29.89	
43	-25,22	-25,79	-26.35	±26.91	··27.48	~28.04	-28.60	-25.16	-29.73	-30.27

CLIENT: THE B.H.P. CO PTY LTD

LOCATION: AVONDALE GRID LYNDHURST S.A.

LINE 22000



Loop	BOUGUER GRAVITY	ELEVATION	STATION		row
 #	ANOMALY (mgals)	(meters)	NUMBER		#
24	-28.77	126.79	11800		1
24	-28.89	126.94	12000	•	2
24	-28.98	127.08	12200		3
24	-29.21	127.08	12400		4
' 24	-29.59	127.11	12600		5
24	-29.67	126.34	12800		6
24	-29.69	125.56	13000		7
24	-29.65	125.24	13200		8
24	-29.30	124.60	13400	2.7	9
24	-28.88	123.39	13600	* .	10
24	-28.61	121.42	13800		11
24	-28.40	121.56	14000	1.0	12
23	-28.27	121.71	14200		13
23	-28.14	121.56	14400	•	14
23	-28.20	129.62	14600		15
25	-28.21 *	129.62	14600	RPT	6
25	-28.18	130.12	14800		7
25	-28.14	128.40	15000	e e e e e e e e e e e e e e e e e e e	8
25	-28.21	122.98	15200		9
25	-28.36	123.09	15400		20
25	-28.26	123.05	15600		1
25	-28.00	123.20	15800		2
25	-27.67	126.08	16000		23
25	-27.43	126.68	16200		4
25	-27.44	125.68	16400		5
25	-27.65	124.74	16600		:6
25 25	-27.98	124.72	16800		.7
25 25	-21.50 -28.19	124.69	17000		8
	-28.19 -28.37	124.55	17200	•	9
25 25		124.56	17400		J Ú
25	-28.16				
25	-28.05	124.68	17600	RFT	1
26 26	-28.07 *	124.68	17600	RP I	2
26	-28.10	124.37	17800		3
26	-28.11	124,22	18000		4
26	-28.01	124.02	18200		5
26	-27.55	124.58	18400		6
26	-27.14	124.24	18600		7
26	-27.23	123.86	18800		8
26	-27.12	123.59	19000	•	9
26	-27.17	123.40	19200		0
26	-26.70	123.42	19400		1
26	-26.63	123.53	19600		2
26	-26.77	123,56	19800		3

. 194

				9						
ROW No.	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
	ك كراب كا كا ينا بنا بنا									01 45
1	-26.65	-27.18	-27.71	-28.24	~ 38.77	-29.30	-29.84	-30.37	-30.90	701.40 71.40
2	وستريب مريب	02 00	_97 09	L29 36	- 28, 29	-29.43	-29.96	一切り、サブー	<b>ニント・リニ</b>	~~~1
3	00.05	07 00	<b>_07 00</b>	-09.45	- 28, 98	-29.52	-30.00	~30.JO	~ 21,14	
4	37 65	22 64	LDO 14	408 A7	. 19.71	-29.74	-30.27	-30,00	-01:04	-01.01
ទ	200 45	മെ വര	200 FQ	-24 BE	~ 29,59	-30.13	-30.66	-31.17	male ( o	
6		തര തര	OO 61	_09 14	29 . 67	-30.20	-30.73	-31.25	~~31.62	شود وشود −
7		00 44	00 61	LOG 17	29 K9	3月,22日	-30.74	-31.21		ستمريب ويوارث
8		00 07	_00 £0	LOG 10	29.65	-30.17	~30.70	-51.22	_3T*(A	
9		00 70	. ඉහ. ඉර	_00 70	- 29 B	-29.82	-30.30	~30.00	T @ 1 + 9 /	
10	7. m m. s	07 00	_07 OS	L98 37	- 28.88	-29.40	-29.92	- 50.40	-00.20	1 • -
11	00 E0	രുത്തി	三つフ 転倒		- 28.61	-29.12	<b>ニビザ・シラ</b>	~30,14	-50.00	
12	A	56 67	_ 07 QQ	-27.89	28 . 4 A	-28.91	-27.42	-27.70		was a second
13	70 70 70 70 FG	00 D3	_ 27 25	ニつフ フら	~28.27	-28.78	-27.27	~27.00		00.00
14	مند مما	00 C3	57 40	_07 EQ	72 4	-28.65	-29.15	-27.07	30 to	
15		こつか ちフ	<b>-07 11</b>	-07.65	28 . SB	-28.74	-27.20	7,7,00	-00.01	
16		97 <b>8</b> 0	07 10	-97 G7		-28.70	-27.00	T 4. 7 . O T		
17	l sa sa	OC EA	07 00	ニクフ ぬる		-28.72	-29,27	-27.51	~ 30.00	11 (a) (b) (c) (c) (c)
18	. ~~ ~~	07 FO	27 06	-27 KG	98.14	28.68	~27.22	一 ごりょくひ	~ DU. ~ .	
19		うと とつ	_07 1Q	ニコフ フロー	19 31	-78.73	~27.20	~		
201			07 00		) (P. 114)		~29.40	ーとフ・フェ	~30.40	
21	المصحما	~~ ~~ 4	97.99		- 212 PE	-28.78	-23.27	~27.01	-00.04	Control of the contro
22	A - A -	6.6 AE	_ ಇದ ಅಥ	LOT 49	28 . CM	-28.51	-27.00	Zフ・リゾ		000
23	J	20.00	二つど どつ	<b>-97 14</b>	27 - 67	~28.20	-25.13	ーピン・ピロ		200
24	1 55 55	രംജ തിത	ニウム ウム	-26 A0	7 3	-27.96	-25.47	767.06		
25	1 20 00	- AF 60	07 00		) 7 6.4		Z8.00	-27.02		99800
26 20		0.00	20 60	ニニクフ 1つ		-28.17	-28.57	-27.44	- E-0 - 1 -	
27		و به در مو	202 000	- 200 月底	17 Hel	200 - Told		こここ マーコー		
28	1 200 400		07 44	27 GG			-Z7.20	- TEP. ( W		- 1. F 1. m.
29		Annual Control of the		07_04	19 17	~>× N		~~ 4.7 • 20		
30	1	0.5 50	2020 4 4	07 40	29 (6)	ZX . 68	29.20		-30.2.7	
31	1	0.5 40		07 50	78 115		~27.07	-27,01	00.0	
32	1	0.0 50	07 80	27 55	28.HZ	-28.09	~~ 27.11	- C 7 , D4		
33	1 66 65	四次 医牙		27 <b>5</b> 8	73. H	28.52	-27.14		-30.17	2011
34	1	جے سے سریس	07 07	. 57 S.O.	7 Q 1		29.10			
35	1	Sec. 25	27 27		) 🔍 (11		-29.00	- CO. U.		Service and the service of the servi
36	1		.OC 50	77 02			- さどひ・リフ		27.00	
37	1	and were the first	07 40		27 ' 3		~/0.10	ao - i v	سارسا وتنت	
38	J	وسترس سمرس	. 57 40	つさ フォ			-78.27	-20.10		2000
39		, , ger	- 52 BB	_~ _ ~ 4 0		// h4	28.15	~20.07		
46	1	~~ ~~	07 10			27.89				
. 41	1	e. e. 4 C.	- ಅರ್ ಪರ	එළි <u>1</u> ම	- 4			استنده الاثناء		
42	سيسو رسا	200 000	- 6E 60	ここつご きち	) E (13)			ニニュロ・エン		E 2 8 39 50
. 16 43	-24.69	-25.21	-25.73	-26.25	- 26.37	-27.28	-27.80	-28.32	-28.84	-29.36
70	1								•	

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

194 A

CLIENT:

THE B.H.P. CO PTY LTD

LOCATION:

AVONDALE GRID LYNDHURST S.A.

Bouguer Reduction Density is 2.4 gm/cc

Base Line Bearing is 0 degrees EAST

The Known Point of 30.2185 degrees Latitude is located at Line Number 16000 and Station Number 12000

The Base Station Observed Gravity Values are:

BASE	#	en e	OBSERVED	GRAVITY	Cmgals
1			979312.5	5	
2			979298.5		· ***
3	.*		979301.3	33	
4			979296.5	53	
5			979298.5		
6			979300.8	33	
7			979303.2	27	
.8	, ,		979303.7	'2	
9			979307.7	,	
10	*		979294.0	7	
11			979293.5	6	
12			979297.6	4	
13			979296.8	86	
14		W 1	979297.2	29	
15	•		979297.1	7	
16			979295.4		
17			979297.3	14	
18			979297.5	· ·-	

Τø

## \*\*\*\*\*\* CATALOG OF RAW FIELD DATA \*\*\*\*\*\*

4			•			5		
LOOP#	1	BASE	TIE FROM RAILWAY BASE	TO GR	ID BASE	1		
LOOP#		LINE	16000N	FROM	12000E	TO	16000	Ξ
			16000E Becomes Base 3					_
LOOP#	3	LINE			10400E			
LOOP#		LINE		FROM	16200E	TO	18100	=
			Creek at 17000E					_
LOOP#	5	LINE			18200E	TO	204001	=
			Fence (no gate) at 1950	50E	4			
LOOP#	6	Base	ties					
LOOP#	7	LINE	14000N		5000E T	U 1	SAAAF	
			Tracks at 16800 % 1780	0E		-97 ,50	00400	-
LOOP#	8	LINE	14000N		18200E	10	204001	Ε.
			Strezlecki Track at 19	200E				_ 、
LOOP#	9	LINE	- · · · · · · · · · · · · · · ·	FROM	15000E	(Ne	w pas	e)
			` 13000E			· ••• ···	2.4.400	-
LOOP#	10	LINE	14000N	FROM	15800F	10	11400	E.
LOOP#		Base				~~~	40000	-
LOOP#	12	LINE	12000N	FROM	15000E	10	1 2000	Ė,
at .		•	Highway at 16000E			~~	4.4000	_
LOOP#	13		12000N	FROM	14800E	10	11000	<u> </u>
LOOP#	14	LINE	10000N	FRUM	15000E	ΙŅ	11000	<b>-</b>
			Highway at 11300E	maau	4 mager	TO	10000	
LOOP#	15	LIHE	10000N		15200E			C.
LOOP#			tie		9 TO Ba			
LOOF#	17	Base			10 TO E			_
LOOP#	18	LINE	100000	FRUM	15000E	ΗĐ	11000	C.
			Track at 11600E		4.45005	T O	11200	_
LOOP#	19	LINE	20000.	FROM	14900E	10	11000	C.
			Track near 11600E	mm 15% 15% 4.4	450005	<b>T</b> O	10000	C.
LOOP#	20	LINE	70000	FRUM	15000E	ĮΨ	10000	<u>_</u>
			Creek at 15600E	en en en sa	450005	τo	15400	
LOOP#	21	LINE			15000E	1.0	17000	C.
			Creeks at 15000 & 1540	ЮF				
LOOP#		BASE	TIE					
LOOP#			TIES ACROSS CREEK	EDOM	14000E	TÓ	11200	Ė.
LOOP#	24	LIHE	22000N	rkon	140065	1.0	11000	<b>1</b>
			Track at 11800E	сром	14600E	TΩ	12600	F.
LOOP#	25	LINE	22000N		140000		1,000	_
			14800E is near a track	COOM	17600E	το	19800	Ē
LOOP#	26	LINE			110000	1 4		_
			18200E is near a new f	EDUM	15600E	ŢΩ	19600	E
			20000N		16000E			
LOOP#	28	LINE	18000N	LICON	100000		* * * * * * * * * * * * * * * * * * *	
			18200E near old funce	EPOM	BASE 2	TO	BASE	4
LOOP#	30	BASE	114	ricon	DIIVE &	. ~		-
L00P#								
10004	333	BASE	11E				•	

\* SOLO \* \*\*\*\*\* \*\*\*\*\*\* LOOP NUMBER 1 \*\*\*\*\*\*\*\*

Client:

THE B.H.P. CO FTY LTD Location: AVONDALE GRID LYNDHURST S.A.

BASE TIE FROM RAILWAY BASE TO GRID BASE 1

Loop Time: .40 Hours Loop Drift: .010 Mgals Drift Rate: .025 Mgals/Hour

Operator: Gravimeter:

B.RAU Lacoste G#556

21/03/80 Date:

•		2.79	And the control of th				والسرائس بنبو منذ مندر شواجها جيدجه
LINE No.	STATION No.	METER READING	TIME ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
and the first state of the stat		هم منه من منه منه منه منه منه منه منه	agai gan gan ann aig gan gan an ann ann an ann ann ann ann				
BASE	# 01	2774.730	1635	979312.50			
14600	17400	2760.960	1647 0100.00	979298.54	30.23110	979355.81	-36.47
BASE	# 01	2774.740	1659	979312.50			

\* SOLO \* \*\*\*\*

LOOP NUMBER 2 

Client:

THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

196

Coverage:

LINE 16000N FROM 12000E TO 16000E 16000E Becomes Base 3

Loop Time: 2.07 Hours
Loop Drift: .071 Mgals Drift Rate: .034 Mgals/Hour

Operator: B.RAU

Gravimeter: Lacoste G#556

Date: 11/03/80

LIHE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
				The state of the s	The control of the management of the same of	a new team team team team team team team team		ينيه مهد چين اسم هذه فيده است. ر
BASE	# 03	2762.250	1043		979301.33		and the second	
16000	12000	2762.250	1044	0127.12	979301.33	30.21850	979354.83	-27.06
16000	12200	2762.230	1050	0128.16	979301.31	30.21850	979354.83	-26.86
16000	12400	2761.540	1055	0131.79	979300.60	30.21850	979354.83	-26.81
16000	12600	2761.780	1102	0128.98	979300.84	30.21850	979354.83	-27,15
16000	12800	2762.000	1107	0128.89	979301.06	30.21850	979354.83	-26.95
16000	13000	2762.000	1112	0129.36	979301.06	30.21850	979354.83	-26.86
16000	13200	2761.130	1118	0132.29	979300.18	30.21850	979354.83	-27.13
16000	13400	2760.590	1123	0134.24	979299.62	30.21850	979354.83	-27.28
16000	13600	2759.730	1129	0137.37	979298.75	30.21850	979354.83	-27.50
16000	13800	2759.230	1135	0138.80	979298.24	30.21850	979354.83	-27.71
16000	14000	2759.020	1139	0138.71	979298.02	30.21850	979354.83	-27.95
16000	14200	2758.460	1146	0140.36	979297.45	30.21850	979354.83	-28.18
16000	14400	2758,390	1152	0140.63	979297.38	30.21850	979354.83	-28.20
16000	14600	2758,450	1156	0141.11	979297.44	30.21850	979354.83	-28.04
16000	14800	2758.600	1203	0141.52	979297.59	30.21850	979354.83	-27.80
16000	15000	2758.660	1207	0141.74	979297.64	30.21850	979354.83	-27.70
16000	15200	2758.770	1212	0140.87	979297.75	30.21850	979354.83	-27.77
16000	15400	2758.760	1216	0140.47	979297.74	30.21850	979354.83	-27.87
16000	15600	2758.310	1220	0140.50	979297.28	30.21850	979354.83	-28.32
16000	15800	2758.020	1225	0140.63	979296.99	30.21850	979354.83	-28.59
16000	16000	2757.580	1232	0139.18	979296.54	30.21850	979354.83	-29.34
BASE	# 03	2762.320	1247		979301.33			

SOLO \*

Client: THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

> LINE 16000N Coverage: FROM 10400E TO 11800E

Loop Time: Loop Drift: Drift Rate: 1.83 Hours .030 Mgals

.017 Mgals/Hour

Operator: Gravimeter:

Lacoste G#556 Date: 14/03/80

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
		The AST BUT DOES STORT SHARE STORE ASTER STORE STORE		ا حديد المنظر المناف المناف المناف المناف الأنساف المناف الأنساف المناف	rice constant after since and provides from pairs and			e gant dage sign sign sign sam part (sam sam sam sam sam sam sam sam sam sam
BASE	# 03	2762.500	0948		979301.33			
16000	10400	2763.020	1058	0127.27	979301.84	30.21850	979354.83	-26.52
16000	10600	2763.100	1104	0126.92	979301.92	30.21850	979354.83	-26.51
16000	10800	2762.555	1108	0128.70	979301.36	30.21850	979354.83	-26.69
16000	11000	2761.990	1113	0129.97	979300.79	30.21850	979354.83	-27.00
16000	11200	2762.800	1119	0125.44	979301.61	30.21850	979354.83	-27.13
16000	11400	2762.660	1123	0125.58	979301.47	30.21850	979354.83	-27.24
16000	11600	2762.110	1129	0126.16	979300.91	30.21850	979354.83	-27.68
16000	11800	2762.050	1133	0126.47	979300.84	30.21850	979354.83	-27.67
BASE	# 03	2762.530	1138		979301.33			
								•

\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*\* **\*\*\***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* LOOP NUMBER 4 \*\*\*\*\*

Client: Location:

THE B.H.P. CO PTY LTD AVONDALE GRID LYNDHURST S.A.

LINE 16000N Coverage:

FROM 16200E TO 18100E

Creek at 17000E

Loop Time: 2.17 Hours Loop Drift: .020 Mgals Drift Rate: .009 Mgals

.009 Mgals/Hour

Operator:

B.RAU

Gravimeter:

Lacoste G#556

Date:

11/03/80

							•	
LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
				to seemed deposits of the control and the cont	which which is a place bank town black which farm your look	n alleger danske skulle fransk plaker blever fatour verene plaken delden .	Anni anta dan lama dan man anni anni anni anni anni anni ann	the district and the said that the size of
BASE	# 84	2757.610	1401		979296.53			
16000	16200	2757.520	1407	0139.26	979296.44	30.21850	979354.83	-29.42
16000	16400	2757.140	1412	0139.18	979296.05	30.21850	979354.83	-29.82
16000	16600	2757.120	1432	0138.89	979296.03	30.21850	979354.83	-29.91
16000	16800	2757.270	1440	0139.42	979296.18	30.21850	979354.83	-29.65
16000	17880	2756.380	1450	0143.85	979295.28	30.21850	979354.83	-29.63
-16000	17200	2756.190	1457	0143.70	979295.08	30.21850	979354.83	-29.85
16000	17200	2756.190	1518	0143.70	979295.08	30.21850	979354.83	-29.86
16000	17400	2755.350	1527	0146.49	979294.23	30.21850	979354.83	-30.13
16000	17600	2754.990	1532	0147.51	979293.86	30.21850	979354.83	-30.28
16000	17800	2754.470	1537	0148.10	979293.33	30.21850	979354.83	-30.69
16000	18000	2754.680	1544	0145.57	97 <b>92</b> 93.54	30.21850	979354.83	-31.00
16000	18199	2754.700	1549	0146.13	979293.56	30.21850	979354.83	-30.87
16000	17200	2756.190	1557	0143.70	979295.07	30.21850	979354.83	-29.86
:						e e jednosta		
BASE	# 04	2757.630	1611		979296.53	e de la companya de l		

\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*\*

LOOP NUMBER 5 

Client: THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

> LINE 16000N Coverage:

FROM 18200E TO 20400E

Fence (no gate) at 19500E

1.97 Loop Time: Hours Loop Drift: .101 Mgals

Drift Rate: .052 Mgals/Hour Operator: Gravimeter:

Lacoste G#556

Date: 18/03/80

LINE No. No. READING TIME ELVN (meters) (mgals) (degrees) (mgals) BOUGUER (degrees) (mgals) BOUGUER (mgals) BASE # 11 2755.500 1240 979293.56  16000 18200 2755.050 1247 0148.34 979293.10 30.21850 979354.83 -30.87  16000 18400 2754.100 1252 0153.95 979292.13 30.21850 979354.83 -30.48  16000 18600 2753.880 1258 0155.96 979291.90 30.21850 979354.83 -30.48  16000 18800 2754.330 1303 0151.51 979292.35 30.21850 979354.83 -30.96  16000 19000 2753.620 1307 0153.32 979291.63 30.21850 979354.83 -30.96  16000 19200 2753.250 1312 0157.05 979291.25 30.21850 979354.83 -30.91  16000 19400 2754.270 1317 0158.88 979292.28 30.21850 979354.83 -29.50  16000 19600 2754.230 1328 0160.11 979292.23 30.21850 979354.83 -29.50  16000 19800 2754.230 1328 0160.11 979292.23 30.21850 979354.83 -29.29  16000 19800 2758.340 1336 0156.04 979296.39 30.21850 979354.83 -25.98  16000 20200 2758.730 1340 0156.42 979296.78 30.21850 979354.83 -25.51  16000 20400 2759.050 1345 0157.85 979297.10 30.21850 979354.83 -25.51  16000 20400 2759.050 1345 0157.85 979297.10 30.21850 979354.83 -25.51							*			_
16000       18200       2755.050       1247       0148.34       979293.10       30.21850       979354.83       -30.87         16000       18400       2754.100       1252       0153.95       979292.13       30.21850       979354.83       -30.67         16000       18600       2753.880       1258       0155.96       979291.90       30.21850       979354.83       -30.48         16000       18800       2754.330       1303       0151.51       979292.35       30.21850       979354.83       -30.96         16000       19000       2753.620       1307       0153.32       979291.63       30.21850       979354.83       -31.30         16000       19200       2753.250       1312       0157.05       979291.25       30.21850       979354.83       -30.91         16000       19400       2754.270       1317       0158.88       979292.28       30.21850       979354.83       -29.50         16000       19600       2754.230       1328       0160.11       979292.23       30.21850       979354.83       -29.29         16000       19800       2756.000       1332       0157.78       979294.02       30.21850       979354.83       -25.98 <td< th=""><th></th><th></th><th></th><th></th><th>TIME</th><th></th><th></th><th></th><th></th><th></th></td<>					TIME					
16000       18200       2755.050       1247       0148.34       979293.10       30.21850       979354.83       -30.87         16000       18400       2754.100       1252       0153.95       979292.13       30.21850       979354.83       -30.67         16000       18600       2753.880       1258       0155.96       979291.90       30.21850       979354.83       -30.48         16000       18800       2754.330       1303       0151.51       979292.35       30.21850       979354.83       -30.96         16000       19000       2753.620       1307       0153.32       979291.63       30.21850       979354.83       -31.30         16000       19200       2753.250       1312       0157.05       979291.25       30.21850       979354.83       -30.91         16000       19400       2754.270       1317       0158.88       979292.28       30.21850       979354.83       -29.50         16000       19600       2754.230       1328       0160.11       979292.23       30.21850       979354.83       -29.29         16000       19800       2756.000       1332       0157.78       979294.02       30.21850       979354.83       -25.98 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th>em two dr.s. date and and and dr.s. man any one</th><th></th><th></th><th></th></td<>							em two dr.s. date and and and dr.s. man any one			
16000       18400       2754.100       1252       0153.95       979292.13       30.21850       979354.83       -30.67         16000       18600       2753.880       1258       0155.96       979291.90       30.21850       979354.83       -30.48         16000       18800       2754.330       1303       0151.51       979292.35       30.21850       979354.83       -30.96         16000       19000       2753.620       1307       0153.32       979291.63       30.21850       979354.83       -31.30         16000       19200       2753.250       1312       0157.05       979291.25       30.21850       979354.83       -30.91         16000       19400       2754.270       1317       0158.88       979292.28       30.21850       979354.83       -29.50         16000       19600       2754.230       1328       0160.11       979292.23       30.21850       979354.83       -29.29         16000       19800       2758.340       1336       0157.78       979294.02       30.21850       979354.83       -27.98         16000       20200       2758.730       1340       0156.04       979296.39       30.21850       979354.83       -25.51 <td< td=""><td></td><td>BASE</td><td># 11</td><td>2755.500</td><td>1240</td><td></td><td>979293.56</td><td></td><td></td><td></td></td<>		BASE	# 11	2755.500	1240		979293.56			
16000       18600       2753.880       1258       0155.96       979291.90       30.21850       979354.83       -30.48         16000       18800       2754.330       1303       0151.51       979292.35       30.21850       979354.83       -30.96         16000       19000       2753.620       1307       0153.32       979291.63       30.21850       979354.83       -31.30         16000       19200       2753.250       1312       0157.05       979291.25       30.21850       979354.83       -30.91         16000       19400       2754.270       1317       0158.88       979292.28       30.21850       979354.83       -29.50         16000       19600       2754.230       1328       0160.11       979292.23       30.21850       979354.83       -29.29         16000       19800       2756.000       1332       0157.78       979294.02       30.21850       979354.83       -27.98         16000       20000       2758.340       1336       0156.04       979296.39       30.21850       979354.83       -25.98         16000       20200       2758.730       1345       0157.85       979297.10       30.21850       979354.83       -25.51 <td< td=""><td></td><td>16000</td><td>18200</td><td>2755.050</td><td>1247</td><td>0148.34</td><td>979293,10</td><td>30.21850</td><td>979354.83</td><td>-30.87</td></td<>		16000	18200	2755.050	1247	0148.34	979293,10	30.21850	979354.83	-30.87
16000       18800       2754.330       1303       0151.51       979292.35       30.21850       979354.83       -30.96         16000       19000       2753.620       1307       0153.32       979291.63       30.21850       979354.83       -31.30         16000       19200       2753.250       1312       0157.05       979291.25       30.21850       979354.83       -30.91         16000       19400       2754.270       1317       0158.88       979292.28       30.21850       979354.83       -29.50         16000       19600       2754.230       1328       0160.11       979292.23       30.21850       979354.83       -29.29         16000       19800       2756.000       1332       0157.78       979294.02       30.21850       979354.83       -27.98         16000       20800       2758.340       1336       0156.04       979296.39       30.21850       979354.83       -25.98         16000       20200       2758.730       1340       0156.42       979296.78       30.21850       979354.83       -25.51         16000       20400       2759.050       1345       0157.85       979297.10       30.21850       979354.83       -24.89 <td></td> <td>16000</td> <td>18400</td> <td>2754.100</td> <td>1252</td> <td>0153.95</td> <td>979292.13</td> <td>30.21850</td> <td>979354.83</td> <td>-30.67</td>		16000	18400	2754.100	1252	0153.95	979292.13	30.21850	979354.83	-30.67
16000       19000       2753.620       1307       0153.32       979291.63       30.21850       979354.83       -31.30         16000       19200       2753.250       1312       0157.05       979291.25       30.21850       979354.83       -30.91         16000       19400       2754.270       1317       0158.88       979292.28       30.21850       979354.83       -29.50         16000       19600       2754.230       1328       0160.11       979292.23       30.21850       979354.83       -29.29         16000       19800       2756.000       1332       0157.78       979294.02       30.21850       979354.83       -27.98         16000       20000       2758.340       1336       0156.04       979296.39       30.21850       979354.83       -25.98         16000       20200       2758.730       1340       0156.42       979296.78       30.21850       979354.83       -25.51         16000       20400       2759.050       1345       0157.85       979297.10       30.21850       979354.83       -24.89		16000	18600	2753.880	1258	0155.96	979291.90	30.21850	979354.83	-30.48
16800       19200       2753.250       1312       0157.05       979291.25       30.21850       979354.83       -30.91         16800       19400       2754.270       1317       0158.88       979292.28       30.21850       979354.83       -29.50         16800       19600       2754.230       1328       0160.11       979292.23       30.21850       979354.83       -29.29         16800       19880       2756.800       1332       0157.78       979294.02       30.21850       979354.83       -27.98         16800       28800       2758.340       1336       0156.84       979296.39       30.21850       979354.83       -25.98         16800       28200       2758.730       1340       0156.42       979296.78       30.21850       979354.83       -25.51         16800       28400       2759.850       1345       0157.85       979297.10       30.21850       979354.83       -24.89		16000	18800	2754.330	1303	0151.51	979292.35	30.21850	979354.83	-30.96
16000       19400       2754.270       1317       0158.88       979292.28       30.21850       979354.83       -29.50         16000       19600       2754.230       1328       0160.11       979292.23       30.21850       979354.83       -29.29         16000       19800       2756.000       1332       0157.78       979294.02       30.21850       979354.83       -27.98         16000       20000       2758.340       1336       0156.04       979296.39       30.21850       979354.83       -25.98         16000       20200       2758.730       1340       0156.42       979296.78       30.21850       979354.83       -25.51         16000       20400       2759.050       1345       0157.85       979297.10       30.21850       979354.83       -24.89	,	16000	19000	2753.620	1307	0153.32	979291.63	30.21850	979354.83	-31.30
16000       19600       2754.230       1328       0160.11       979292.23       30.21850       979354.83       -29.29         16000       19800       2756.000       1332       0157.78       979294.02       30.21850       979354.83       +27.98         16000       20000       2758.340       1336       0156.04       979296.39       30.21850       979354.83       -25.98         16000       20200       2758.730       1340       0156.42       979296.78       30.21850       979354.83       -25.51         16000       20400       2759.050       1345       0157.85       979297.10       30.21850       979354.83       -24.89		16000	19200	2753.250	1312	0157.05	979291.25	30.21850	979354.83	-30.91
16000       19800       2756.000       1332       0157.78       979294.02       30.21850       979354.83       -27.98         16000       20000       2758.340       1336       0156.04       979296.39       30.21850       979354.83       -25.98         16000       20200       2758.730       1340       0156.42       979296.78       30.21850       979354.83       -25.51         16000       20400       2759.050       1345       0157.85       979297.10       30.21850       979354.83       -24.89		16000	19400	2754.270	1317	0158.88	979292,28	30.21850	979354.83	-29.50
16000 20000 2758.340 1336 0156.04 979296.39 30.21850 979354.83 -25.98 16000 20200 2758.730 1340 0156.42 979296.78 30.21850 979354.83 -25.51 16000 20400 2759.050 1345 0157.85 979297.10 30.21850 979354.83 -24.89		16000	19600	2754.230	1328	0160.11	979292.23	30.21850	979354.83	-29.29
16000 20200 2758.730 1340 0156.42 979296.78 30.21850 979354.83 -25.51 16000 20400 2759.050 1345 0157.85 979297.10 30.21850 979354.83 -24.89		16000	19800	2756.000	1332	0157.78	979294.02	30.21850	979354.83	-27.98
16000 20400 2759.050 1345 0157.85 979297.10 30.21850 979354.83 -24.89		16000	20000	2758.340	1336	0156.04	979296,39	30.21850	979354.83	-25.98
		16000	20200	2758.730	1340	0156.42	979296,78	30.21850	979354.83	-25.51
BASE # 11 2755.600 1438 979293.56		16000	20400	2759.050	1345	0157.85	979297.10	30.21850	979354.83	-24.89
		BASE	# 11	2755.600	1438	N. 1	979293.56			
		-;·- <del>-</del>	- <del></del>		<del>-</del>	e e e e e e e e e e e e e e e e e e e				8

\* SOLO \*

\*\*\*\*\*\*\* LOOP NUMBER 6 \*\*\*\*\*\*\*\*

Client: Location: THE B.H.P. CO PTY LTD AVONDALE GRID LYNDHURST S.H.

198

Coverage: Base ties

Loop Time: .70 Hours
Loop Drift: .010 Mgals

Drift Rate: .014 Mgals/Hour

Operator:

B.RAU

Gravimeter:

Lacoste G#556

Date: 12/03/80

	يمر بين هم بين بين بين بين بين بين بين	سر سر هما سارمتارسون	<del> </del>				
STATION No.	METER READING	TIME	ELVN (meters)	(BSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
			, pagga dagan, dalah jagan dagan gama (agan, pagan sagan sagan	mar -mar men emin (min men ema ema ema ema			e darin dan jaga papa darin darin darin darin da e dari E
# 02	2759.530	0855		979298.54	and the second s	er en	
16000	2757.560	0904	0124.70	979296.54	30.21850	979354.83	-32.35
15000	2758.650	0912	0127.27	979297.64	30.21850	979354.83	-30.71
15000	2760.380	0927	0143.83	979299.39	30.22840	979355.60	-26.29
# 02	2759.540	0937	%	979298.54			, a · ·
	No. # 02 16000 15000	No. READING # 02 2759.530 16000 2757.560 15000 2758.650 15000 2760.380	No. READING # 02 2759.530 0855 16000 2757.560 0904 15000 2758.650 0912 15000 2760.380 0927	No. READING (meters) # 02 2759.530 0855 16000 2757.560 0904 0124.70 15000 2758.650 0912 0127.27 15000 2760.380 0927 0143.83	No. READING (meters) (mgals)  # 02 2759.530 0855 979298.54  16000 2757.560 0904 0124.70 979296.54  15000 2758.650 0912 0127.27 979297.64  15000 2760.380 0927 0143.83 979299.39	No. READING (meters) (mgals) (degrees)  # 02 2759.530 0855 979298.54  16000 2757.560 0904 0124.70 979296.54 30.21850  15000 2758.650 0912 0127.27 979297.64 30.21850  15000 2760.380 0927 0143.83 979299.39 30.22840	No. READING (meters) (mgals) (degrees) (mgals)  # 02 2759.530 0855 979298.54  16000 2757.560 0904 0124.70 979296.54 30.21850 979354.83  15000 2758.650 0912 0127.27 979297.64 30.21850 979354.83  15000 2760.380 0927 0143.83 979299.39 30.22840 979355.60

\*\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*\* Client: THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

198A

Coverage: LINE 14000N

FRO 15000E TO 18000E Tracks at 16800 & 17800E

Loop Time: 2.03 Hours
Loop Drift: .071 Mgals
Drift Rate: .035 Mgals/Hour

Operator:
Gravimeter:

B.RAU

Gravimeter: Lacoste G#556

Date: 12/03/80

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
tope and also been a			Date (see speed from 1990 1990 1990				4	, , , , , , , , , , , , , , , , , , ,
BASE	# 02	2759.540	0937		979298.54			
14900	15000	2760.380	0948	0143.83	979299,38	30.22840	979355.60	-26.30
14000	15000	2761.820	1004	0147.30	979300.83	30.23650	979356.24	-24.76
14000	15200	2761.740	1012	0148,12	979300.75	30.23650	979356.24	-24.68
14000	15400	2761.610	1018	0148.52	979300.61	30.23650	979356.24	-24.73
14000	15600	2761.380	1023	0149.22	979300.38	30.23650	979356.24	-24.82
14000	15800	2761.210	1028	0149.66	97 <b>9</b> 300.20	30.23650	979356.24	-24.90
14000	16000	2761.200	1034	0149.06	979300.19	30.23650	979356.24	-25.04
14000	16200	2761.110	1039	0149.01	979300.09	30.23650	979356.24	-25.15
14000	16400	2761.000	1044	0148.90	979299.98	30.23650	979356.24	-25.28
14000	16600	2760.950	1050	0148.36	979299.93	30.23650	979356.24	-25.45
14000	16800	2760.980	1057	0146.87	979299.95	30.23650	979356.24	-25.73
14000	17000	2761.030	1105	0146.92	979300.00	30.23650	979356.24	-25,68
14000	17200	2760.960	1110	8147.31	979299.92	30.23650	979356.24	-25.67
14000	17400	2760.850	1115	0147.66	979299.81	30.23650	979356.24	-25.71
14000	17600	2760.410	1119	0148.02	979299.36	30.23650	979356.24	-26.09
14000	17800	2759.910	1123	0148.31	979298.85	30.23650	979356.24	-26.53
14000	18000	2759.610	1130	0148.55	979298.55	30.23650	979356.24	-26.79
2005		0750 640	1100		020000 54			
BHSE	# 02	2759.610	1139		979298.54			

\*\*\*\*\* \* \$0L0 \* \*\*\*\*\* **\*\*\*\***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* LOOP NUMBER 8 \*\*\*\*\*\*\*

THE B.H.P. CO PTY LTD Client: Location: AVONDALE GRID LYNDHURST S.A.

199

LINE 14000H Coverage:

FROM 18200E TO 20400E

Strezlecki Track at 19200E

Loop Time: 2.08 Hours

Loop Drift: .081 Mgals

Drift Rate: .039 Mgals/Hour

Operator: B.RAU

Gravimeter:

Lacoste G#556 Date: 12/03/80

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
BASE	# 05	2759.650	1234		979298.55			
14000	18200	2759.650	1239	9148.70	979298.55	30.23650	979356.24	-26.76
14000	18400	2760.370	1249	0146.88	979299.27	30.23650	979356.24	-26.41
14000	18600	2759.940	1257	0149.23	979298.83	30.23650	979356.24	-26.37
14000	18600	2759.950	1311	0149.23	979298.83	30.23650	979356.24	-26.37
14000	18800	2758.330	1317	0157.18	979297.18	30.23650	979356.24	<b>-26.</b> 36
14000	19000	2759.450	1326	0152.79	979298.31	30.23650	979356.24	-26.14
14000	19200	2760.360	1333	0149.38	979299.23	30.23650	979356.24	-25.93
14000	19400	2760.920	1352	0148.95	979299.79	30.23650	979356.24	-25.47
14000	19600	2761.840	1358	0146.36	979300.71	30.23650	979356.24	-25.08
14000	19800	2761.410	1403	0148.74	979300.28	30.23650	979356.24	-25.02
14000	20000	2761.290	1411	0149.13	979300.15	30.23650	979356.24	-25.07
14000	20200	2761.100	1417	0149.54	979299.95	30.23650	979356.24	-25.18
14000	20400	2760.380	1423	0150.87	979299.22	30.23650	979356.24	-25.64
BASE	# 05	2759.730	1439		979298.55			

\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*

LOOP NUMBER 9 \*\*\*\*\*\*\*\*\*\*\*\*\*

Location:

THE B.H.P. CO PTY LTD AVONDALE GRID LYNDHURST S.A.

Coverage: LINE 14000N

FROM 15000E (New base) TO

13000E

Loop Time: 1.48 Hours Loop Drift: .030 Mgals Drift Rate: .020 Mgals

.020 Mgals/Hour

Operator: Gravimeter:

Lacoste G#556

12/03/80 Date:

* 								
LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAY (mgals)	BOUGUER D= 2.4
				<del></del>	1			
BASE	# 02	2759.730	1449	•	979298.54			
14000	15000	2762.000	1503	0147.30	979300.84	30.23650	979356.24	-24.76
14000	14800	2762.250	1508	0146.59	979301.09	30.23650	979356.24	-24.66
14000	14600	2762.440	1514	0145.78	979301.28	30.23650	979356.24	-24.64
14000	14400	2762.480	1518	0145.13	979301.32	30.23650	979356.24	-24.73
14000	14200	2762.470	1523	0144.44	979301.30	30.23650	979356.24	-24.89
14000	14000	2763.240	1528	0140.28	979302.08	30.23650	979356.24	-24.97
14000	13800	2762.330	1534	0144.11	979301.16	30.23650	979356.24	-25.10
14000	13600	2762.450	1539	0143.49	979301.28	30.23650	979356.24	-25.11
14000	13400	2762.570	1543	0142.95	979301.40	30.23650	979356.24	-25.10
14000	13200	2764.140	1550	0135.86	979302.99	30.23650	979356.24	-24.99
14000	13000	2764.420	1555	0133.48	979303.27	30.23650	979356.24	-25.20
14000	15000	2762.020	1606	0147.30	97 <b>9300.8</b> 3	30.23650	979356.24	-24.76
BASE	# 60	2759.760	1618		979298.54			
2.1102	" ==	2,007,100	1010		71 72 70,01	ing Kanada kabupatèn		·• ·

\*\*\*\*\* \* SOLO \* \*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\* LOOP NUMBER 10 \*\*\*\*\*\*\*\*\*\*\*\*\*\*

200

Client: Location: THE B.H.P. CO PTY LTD

AVONDALE GRID LYNDHURST S.A.

Coverage: LINE 14000N

FROM 12800E TO 11400E

Loop Time: Loop Drift: Drift Rate:

1.90 Hours

.111 Mgals

.059 Mgals/Hour

Operator:

B. RAU

Gravimeter:

Lacoste G#556

13/03/80 Date:

					(mgals)	(degrees)	(mgals)	D= 2.4
RH2F :	# 07	2764.400	1230		979303.27			ples and the way and the fact that the re-
14000	12800	2764.510	1236	0132.68	979303.38	30.23650	979356.24	-25.26
14000	12600	2764.400	1241	0134.04	979303.26	30.23650	979356.24	-25.10
14000	12400	2764.870	1246	0134.74	979303.73	30.23650	979356.24	-24.48
14000	12200	2765.180	1252	0135.68	979304.04	30.23650	979356.24	-23.98
14000	12000	2764.010	1258	0141.91	979302.85	30.23650	979356.24	-23.87
14000	11800	2764.820	1384	0139.92	979303.66	30.23650	979356.24	-23.47
14000	11600	2765.610	1310	0138.85	979304.46	30.23650	979356.24	-22.90
14000	11400	2766.530	1315	0135.80	979305.38	30.23650	979356.24	-22.60
BASE #	# 07	2764.510	1424	•	979303.27			

\*\*\*\*\* \* SOLO \* \*\*\*\*\*\*

\*\*\*\*\*\*\*\*\* LOOP NUMBER 11 \*\*\*\*\*\*\*

THE B.H.P. CO PTY LTD Client: Location: AVONDALE GRID LYNDHURST S.A.

200 A

Coverage: Base Ties

Loop Time: 1.48 Hours
Loop Drift: -.081 Mgals
Drift Rate: -.055 Mgals/Hour

Operator:

Gravimeter: Lacoste G#556

15/03/80 Date:

LINE STATION METER TIME ELVN OBSGRAV LATITUDE THGRAV BOUGUER
No. No. READING (meters) (mgals) (degrees) (mgals) D= 2.4 No. No. READING 979300.83 BASE # 06 2762.200 0721 2765.030 0747 0150.77 979303.72 30.25450 979357.65 -22.56 12000 15000 979300.83 2762.120 0850 BASE # 06

\*\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* LOOP NUMBER 12 \*\*\*\*\*\*\*\*\*\*\*\*\*

201

Client:

THE B.H.P. CO PTY LTD

Location: AVONDALE GRID LYNDHURST S.A.

Coverage: LINE 12000N FROM 15000E TO 19000E Highway at 16000E

Loop Time: 2.33 Hours
Loop Drift: -.132 Mgals
Drift Rate: -.056 Mgals/Hour

Operator:

Gravimeter:

B.RAU Lacoste G#556

Date:

15/03/80

							4 - 6 - 5 - 5	
LINE	STATION	METER	TIME	ELVH	OBSGRAV	LATITUDE	THGRAV	BOUGUER

No.	No.	READING		(meters)	(mgals)	(degrees)	(mgals)	D= 2.4
State tree after only only o	aran iran ina dan aran dan dan dan iran d			*	anne ) des es le miss esté des surs leur seus entre anne			
			w					
BASE	# 08	2764.950	0905		979303.72			
12000	15000	2764.950	0906	0150.77	979303.72	30.25450	979357.65	-22.57
12000	15200	2764.790	0914	0151.85	979303.57	30.25450	979357.65	-22.50
12000	15400	2764.370	0920	0153.31	979303.15	30.25450	979357.65	-22.61
12000	15600	2764.260	0926	0153.49	979303.04	30.25450	979357.65	-22.68
12000	15800	2764.200	0933	0153.67	979302.99	30.25450	979357.65	-22.70
12000	16000	2764.020	0941	0154.01	979302.81	30.25450	979357.65	-22.80
12000	16200	2763.980	0949	0154.14	979302.78	30.25450	979357.65	-22.81
12000	16400	2764.390	0954	0153.16	979303.20	30.25450	979357.65	-22.59
12000	16600	2764.980	0959	0152.04	979303.80	30.25450	979357. <i>6</i> 5	-22.22
12000	16800	2765.050	1005	0151.87	979303.88	30.25450	979357.65	-22.18
12000	17000	2764.230	1011	0155.04	979303.05	30.25450	979357.65	-22.35
12000	17200	2763.770	1016	0156.08	979302.59	30.25450	979357.65	-22.59
12000	17400	2763.780	1023	0156.20	979302.61	30.25450	979357.65	-22.55
12000	17600	2763.510	1029	0157.39	979302.34	30.25450	979357.65	-22.57
12000	17800	2763.560	1034	0157.72	979302.40	30.25450	979357.65	-22.45
12000	18000	2763.850	1039	0157.03	979302.69	30.25450	979357.65	-22.29
12000	18200	2764.350	1045	0155.84	979303.21	30.25450	979357.65	-22.03
12000	18400	2764.560	1050	0155.93	979303.42	30.25450	979357.65	-21.79
12000	18600	2764.640	1054	0155.82	979303.51	30.25450	979357.65	-21.73
12000	18800	2764.450	1058	0156.40	979303.32	30.25450	979357.65	-21.80
12000	19000	2764.360	1103	0156.52	979303.23	30.25450	979357.65	-21.86
12000	17000	2764.210	1113	0155.04	979303.09	30.25450	979357.65	-22.31
BASE	# 08	2764.820	1125	,	979303.72			•

\* SOLO \* \*\*\*\*\*\*\* \*\*\*\*\*\*\*\* LOOP NUMBER 13 \*\*\*\*\*\*\*\*

Client:

THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

201A

Coverage: LINE 12000N

FROM 14800E TO 11000E

Loop Time: 2.23 Hours Loop Drift: .182 Mgals

Drift Rate: .082 Mgals/Hour

Operator:

Gravimeter: Lacoste G#556

15/03/80 Date:

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
			-	Table 6000 and some some made data data (-ab):		Calman, and annotation and approximate their balls, days, a Section 1997 - Section 1997 - Secti		
BASE	# 08	2764.890	1210		979303.72		•	• *
12000	14800	2764.640	1215	0151.59	979303.46	30.25450	979357.65	-22.66
12000	14600	2766.280	1221	0142.65	979305.11	30.25450	979357.65	-22.86
12000	14400	2767.430	1226	0139.73	979306.27	30.25450	979357.65	-22.31
12000	14200	2767.760	1231	0139.23	979306.60	30.25450	979357. <i>6</i> 5	-22.09
12000	14000	2767.280	1237	0141.92	979306.11	30.25450	979357.65	-22.02
12000	13800	2767.000	1243	0143.45	979305.81	30.25450	979357.65	-22.00
12000	13600	2765.750	1250	0149.55	979304.54	30.25450	979357.65	-22.00
12000	13400	2765.900	1255	0148.76	979304.68	30.25450	979357.65	-22.02
12000	13200	2767.040	1300	0143.52	979305.83	30.25450	979357.65	-21,96
12000	13000	2767.170	1305	0142.69	979305.96	30.25450	979357.65	-22.01
12000	12800	2766.910	1309	0144.17	979305.69	30.25450	979357.65 .	-21.97
12000	12600	2766.990	1314	0144.83	979305.76	30.25450	979357.65	-21.76
12000	12400	2767.430	1319	0144.01	979306.20	30.25450	979357.65	-21.49
12000	12200	2767.760	1323	0143.25	979306.53	30.25450	979357.65	-21.32
12000	12000	2768.470	1329	0140.08	979307.24	30.25450	979357.65	-21.27
12000	11800	2768.910	1340	0137.58	979307.67	30.25450	979357.65	-21.36
12000	11600	2767.920	1344	0143.55	979306.66	30.25450	979357.65	-21,13
12000	11400	2769.360	1349	0137.93	979308.11	30.25450	979357.65	-20.84
12000	11200	2770.210	1354	0134.46	979308.97	30.25450	979357.65	-20.71
12000	11000	2770.760	1359	0133.37	979309.52	30.25450	979357.65	-20.39
BASE	# 08	2765.070	1424		979303.72			
						•	en de la companya de	

\*\*\*\*\* \* SOLO \* \*\*\*\*\*\*

LOOP NUMBER 14 \*\*\*\*\*\*\*

202

Client:

THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

Coverage:

LINE 10000N FROM 15000E TO 11000E. Highway at 11300E

Loop Time: 2.05 Hours Loop Drift: 0.000 Mgals

Drift Rate: 0.000 Mgals/Hour

Operator:

B.RAU

Gravimeter:

Lacoste G#556

Date:

18/03/80

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
*** *** *** *** *** *		ga man dan jula man'ining jula (min min bah		و کوند پندو کندو کنو باند چین پیور پورو. پورو				The state and the state and the state and
			0.550		232227 72			
BHSE	# 09	2769.520	0659		979307.70			
10000	15000	2769.520	0700	0153.14	979307.70	30.27250	979359.06	-19.50
10000	14800	2769.020	0706	0155.50	979307.19	30.27250	979359,06	-19.52
10000	14600	2770.060	0713	0150.57	979308.25	30.27250	979359.06	-19.49
10000	14400	2768.640	0718	0156.18	979306.81	30.27250	979359.06	-19.76
10000	14200	2768.730	0722	0156.14	979306.90	30.27250	979359.06	-19.68
10000	14000	2768.890	0727	0156.13	979307.06	30.27250	979359.06	-19.52
10000	13800	2768.990	0732	0155.54	979307.16	30.27250	979359.06	-19.54
10000	13600	2769.130	0736	0154.77	979307.30	30.27250	979359.06	-19.56
10000	13400	2769.280	0740	0153.85	979307.46	30.27250	979359.06	-19.60
10000	13200	2769.320	0744	0153,52	979307.50	30.27250	979359.06	-19.63
10000	13900	2769.440	0749	0152.31	979307.62	30.27250	979359.06	-19.76
10000	12800	2769.570	0754	0150.86	979307,75	30.27250	979359.06	-19.93
10000	12600	2769.960	9758	0148.83	979308.15	30.27250	979359.06	-19.96
10000	12400	2769.750	0803	0150.24	979307.93	30.27250	979359.06	-19.88
10000	12200	2769.550	0808	0151.18	979307.73	30.27250	979359.06	-19.88
10000	12000	2770.480	0818	0146.47	979308.67	30.27250	979359.06	-19.92
10000	11800	2770.100	0825	0148.09	979308,29	30.27250	979359.06	-19.97
10000	11600	2771.730	0829	0140.59	979309.94	30.27250	979359.06	-19.88
10000	11400	2771.770	0836	0139.83	979309.98	30.27250	979359.06	-19.99
10000	11200	2770.510	0842	0145.60	979308.70	30.27250	979359.06	-20.07
10000	11000	2769.990	0846	0147.70	979308.18	30.27250	979359.06	-20.16
BASE	# 09	2769.520	0902		979307.70			8

\* SOLO \* \*\*\*\*\*\*

LOOP NUMBER 15 \*\*\*\*\*\*

Client:

THE B.H.P. CO PTY LTD

Location: AVONDALE GRID LYNDHURST S.A.

202 A

Coverage: LINE 10000N

FROM 15200E TO 19000E

Loop Time: 1.67 Hours Loop Drift: -.081 Mgals Drift Rate: -.049 Mgals/Hour

Operator:

B.RAU

Gravimeter: Lacoste G#556

Date: 18/03/80

							·	
LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
		No. was assumed	**					•
BASE	# 09	2769.520	0902		979307.70			
10000	15200	2768.530	0908	0157.71	979306.70	30.27250	979359.06	-19.55
10000	15400	2768.490	0913	0158.02	979306.67	30.27250	979359.06	-19.52
10000	15600	2768.500	0918	0158.27	979306.68	30.27250	979359.06	-19.46
 10000	15800	2768.480	0922	0158.69	979306.66	30.27250	979359.06	-19.39
10000	16000	2768.530	0927	0159.06	979306.72	30.27250	979359.06	-19.26
10000	16200	2768.670	0931	0159.20	979306.86	30.27250	979359.06	-19.08
10000	16400	2768.780	0935	0159.06	979306.98	30.27250	979359.06	-19.00
10000	16600	2768.750	0939	0159.88	979306.95	30.27250	979359.06	-18.85 g
10000	1680 <b>0</b>	2768.590	0943	0160.68	979306.79	30.27250	979359.06	-18.85
10000	17000	2768.510	0947	0161.15	979306.71	30.27250	979359.06	-18.83 <sup>0</sup>
10000	17200	2768.510	0951	0161.69	979306.72	30.27250	979359.06	-18.71
10000	17400	2768.720	0956	0161.52	979306.93	30.27250	979359.06	-18.53
10000	17600	2768.790	1000	0161.97	979307.01	30.27250	979359.06	-18.36
10000	17800	2768.550	1004	<b>0163.</b> 36	979306.77	30.27250	979359.06	-18.31
10000	18000	2768.650	1007	0163.43	979306.87	30.27250	979359.06	-18.19
10000	18200	2768.670	1010	0164.21	979306.89	30.27250	979359.06	-18.01
10000	18400	2768.780	1014	0164.84	979307.01	30.27250	979359.06	-17.76
10000	18600	2768.640	1017	0165.21	979306.87	30.27250	979359.06	-17.83
10000	18800	2768.460	1021	0165,81	979306.69	30.27250	979359.06	-17.88
10000	19000	2769.070	1025	0162.37	979307.31	30.27250	979359.06	-17.97
BASE	# 09	2769.440	1042		979307.70			
				3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	4 4			- 3

\*\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*

Client: THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

Coverage: Base tie

Base 9 TO Base 10

203

Loop Time: .57 Hours Loop Drift: .030 Mgals

Drift Rate: .054 Mgals/Hour

Operator:

B.RAU

Gravimeter:

Lacoste G#556

Date: 20/03/80

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	•						one was one one and and one of the face from the same of	ىدىر خىق مەھ. يەمەر يەپەر يەپەر قوق قوق قاشق قايدى بىك
BASE	# 12	2759.930	0643	•	979297.64	• ** **********************************		
18000	15000	2759.170	0659	0135.24	979296.86	30.20050	979353.42	-28.43
BASE	# 12	2759.960	0717		979297.64			•

\* SOLO \* \*\*\*\*\*\*

LOOP NUMBER 17 \*\*\*\*\*\*\*\*

Client: Location: THE B.H.P. CO PTY LTD AVONDALE GRID LYNDHURST S.A.

Coverage:

Base tie Base 10 TO Base 11

Loop Time: .53 Hours Loop Drift: 0.000 Mgals Drift Rate: 0.000 Mgals/Hour

Operator:

B.RAU

Gravimeter: Lacoste G#556

Date:

20/03/80

	LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4	
	THE SALE WAY SHEET SALE S	mu mun vinn vitet, ver sette balle balle ball	and annual place and paint and annual paint.		And the date of the same and th		are not seen one one one one one one one	n inter state and and the state and an	my manage make their theory many such their steer of	
	BASE	# 13	2759.260	0930		979296.86			1. <del>.</del> 18	
	20000	14900	2759.680	0950	0127.47	979297.29	30.18250	979352.01	-28.21	
3	BASE	# 13	2759.260	1002		979296.86				

\*\*\*\*\*\*\* \* SOLO \* \*\*\*\*\* 204

Client: THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

Coverage: LINE 18000N FROM 15000E TO 11000E Track at 11600E

Loop Time: 2.05 Hours
Loop Drift: .051 Mgals
Drift Rate: .025 Mgals/Hour

Operator: B Gravimeter: L Date: 2

B.RAU Lacoste G#556 20/03/80

	· · · · · · · · · · · · · · · · · · ·				الشداخة عدائد مشرعت بعد مها مراجع			
I THE	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
					w.c			
				•		•		
noer	# 13	2759.210	0727		979296.86			
pnoc	# 13	2107,210	Q I Se I				. d	
18000	15000	2759.210	0728	0135.24	979296.86	30.20050	979353.42	-28.43
18000	14800	2758.930	0735	0136.40	979296.57	30.20050	979353.42	-28.47
18000	14600	2758.600	0741	0137.27	979296.24	30.20050	979353.42	-28.63
18000	14400	2758.600	0746	0137.74	979296.23	30.20050	979353.42	-28.53
18000	14200	2758.600	0751	0138.50	979296.23	30.20050	979353.42	-28.38
18000	14000	2758.670	0757	0139.19	979296.30	30.20050	979353.42	-28.16
18888	13800	2758.640	0803	0139.68	979296.27	30.20050	979353.42	-28.09
18000	13600	2758.990	0808	0139.05	979296.62	30.20050	979353.42	-27.87
18000	13400	2758.980	0814	0138.56	979296.61	30.20050	979353.42	-27.99
18000	13200	2759.110	0820	0137.55	979296.74	30.20050	979353.42	-28.07
18000	13000	2759.790	0825	0135.16	979297.42	30.2005 <b>0</b>	979353.42	-27.88
18000	12800	2759.640	0829	0134.32	979297.27	30.20050	979353.42	-28.21
18000	12600	2759.380	0835	0134.22	979297.00	30,20050	979353.42	-28.49
18000	12400	2759.430	0840	0134.16	979297.05	30.20050	979353.42	-28.46
18000	12200	2759.400	0844	0134.62	979297.02	30.20050	979353.42	-28.39
18000		2758.760	0850	0137.66	979296.37	30.20050	979353.42	-28.41
18000	11800	2757.730	0855	0142.21	979295.32	30.20050	979353.42	-28.51
18000	11600	2758.350	0900	0142.56	979295.95	30.20050	979353.42	-27.81
18000		2759.500	0905	0139.39	979297.11	30.20050	979353.42	-27.31
18000		2760.090	0909	0136.55	979297.71	30.20050	979353.42	-27.30
18000		2760.830	0914	0131.78	979298.46	30.20050	979353.42	-27.55
				•				
BASE	# 13	2759.260	0930		979296.86	• τ		
			A					

\* SOLO \* \*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\* LOOP NUMBER 19 \*\*\*\*\*\*\*\*

Client: Location: THE B.H.P. CO PTY LTD

AVONDALE GRID LYNDHURST S.A.

Coverage:

LINE 20000N FROM 14900E TO 11600E Track near 11600E

Loop Time: 1.63 Hours Loop Drift: -.041 Mgals Drift Rate: -.025 Mgals/Hour

Operator:

B.RAU Gravimeter:

Lacoste G#556

20/03/80 Date:

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
			• man (ann saon) saon agus (ma			, and some five han over more and more mine near a	ann ann ain aire aire ann aine ann ann ann ann an	-
BASE	# 14	2759.680	1011		979297.29			
20000	14900	2759.680	1012	0127.46	979297.29	30.18250	979352,01	-28.20
20000	14800	2759.470	1018	0128.45	979297.08	30.18250	979352.01	-28.21
20000	14600	2759.320	1023	0128.57	979296.93	30.18250	979352.01	-28.33
20000	14400	2759.290	1027	0128.29	979296.90	30.18250	979352.01	-28.42
20000	14200	2759.010	1032	0129.68	979296.62	30.18250	979352.01	-28.43
20000	14000	2758.770	1037	0130.21	979296.38	30.18250	979352.01	-28.54
20000	13800	2758.370	1042	0130.90	979295.98	30.18250	979352.01	-28.80
20000	13600	2757.980	1047	0131.60	979295.58	30.18250	979352.01	-29.05
20000	13400	2757.690	1052	0131.99	979295.29	30.18250	979352.01	-29.26
20000	13200	2757.040	1057	0132.06	979294.63	30.18250	979352.01	-29.90
20000	13000	2756.590	1102	0131.86	979294.18	30.18250	979352.01	-30.40
20000	12800	2756.810	1106	0131.23	979294.40	30.18250	979352.01	-30.31
20000	12600	2757.500	1110	0131.33	979295.11	30.18250	979352.01	-29.58
20000	12400	2757.580	1115	0132.81	979295.19	30.18250	979352.01	-29.19
20000	12200	2757.780	1119	0132.25	979295.39	30.18250	979352.01	-29.11
20000	12000	2758.050	1123	0130.63	979295.67	30.18250	979352.01	-29.17
20000	11800	2758.850	1129	0128.95	979296.48	30.18250	979352.01	-28,78
20000	11600	2759.020	1134	0128.52	979296.66	30.18250	979352.01	-28.62
PACE	# 14	2759.640	1149		979297.29			

\* SOLO \* \*\*\*\*\* \*\*\*\*\*\*\*\* LOOP NUMBER 20 

THE B.H.P. CO PTY LTD <u>Client:</u> Location: AVONDALE GRID LYNDHURST S.A. 205

Coverage:

LINE 18000N FROM 15000E TO 16000E Creek at 15600E

Loop Time: 1.03 Hours
Loop Drift: .041 Mgals
Drift Rate: .039 Mgals .039 Mgals/Hour Operator: Gravimeter:

B. RAU Lacoste G#556

22/03/80 Date:

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
	و هجه چين مين مين ميد بيد هيو ميد			ngan gan inga menjelah dap dan dan sebis sebis S	144 - 90 00 (244 004 000 000 000 000 000 000 000	, mare state, made some some some some some some some		
BASE	# 13	2759.320	0626	•	979296.86			
18000	15000	2759.320	0627	0135.24	979296.86	30.20050	979353.42	-28.43
18000	15200	2759.940	0636	0133.21	979297.48	30.20050	979353.42	-28.23
18000	15400	2760.110	0644	0132.85	97 <b>9</b> 297.65	30.20050	979353.42	-28.13
18900	15600	2759.890	0657	0133.82	979297.42	30.20050	979353.42	-28.16
18000	15800	2759.910	0705	0134.40	979297.43	30.20050	979353.42	-28.03
18000	16000	2760.020	0712	0133.82	979297.54	30.20050	979353.42	-28.04
BASE	# 13	2759.360	0728		979296.86			

\*\*\*\*\*\* \* SOLO \*

Client:

LOOP NUMBER 21 \*\*\*\*\*\*\*

THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

LINE 20000N Coverage:

FROM 15000E TO 13600E Creeks at 15000 % 15400E

Loop Time: .78 Hours Loop Drift: .030 Mgals Drift Rate: .039 Mgals

.039 Mgals/Hour

Operator:

B.RAU

Gravimeter:

Lacoste G#556

22/03/80 Date:

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	UBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
						a per una que non entres ma mar ann ann		
BASE	# 14	2759.790	0738	•	979297.29			
20000	15000	2759.710	0746	0127.89	979297.20	30.18250	979352.01	-28.20
20000	15200	2759.790	0754	0127.81	979297.28	30.18250	979352.01	-28.14
20000	15400	2760.160	0801	0127.15	979297.65	30.18250	979352.01	-27.91
20000	15600	2759.860	0809	0128.46	979297.34	30.18250	979352.01	-27.95
noce	31. 4 A	0750 000	6005	*	070007 00			
BASE	<b>* 14</b>	2759.820	0825		979297.29	\$ 10 mg 1 m		

\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*\*

\*\*\*\*\*\*\*\*\* LOOP NUMBER 22 \*\*\*\*\*\*\*\*

Client:

THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

206

Coverage: BASE TIE

Loop Time: .85 Hours Loop Drift: -.071 Mgals Drift Rate: -.083 Mgals/Hour

Operator: Gravimeter: B.RAU

Lacoste G#556 20/03/80 Date:

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
		and the size and the size and the same and	- 1/2 des des des des des des	n maa aan gaar oon aan aan aan giin gaya gaya gaya		. The first and the sine and the sine and the sine and the sine of	ب. بهنام پخت بنده جود بخت بخت بنده منبه بنده بخت به بنده بخت بنده بخت	ر منتجل همية مطبقة منتها، هيئة: منها مناها منها منها. - -
BASE	# 14	2759,620	1232	*	979297,29	•		
21900	14400	2759.450	1307	0121.66	979297.17	30.16540	979350.67	-28.20
BASE	# 14	2759.550	1323		979297.29	·		•
							4	

\* SOLO \* \*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* LOOP NUMBER 23 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Client:

THE B.H.P. CO PTY LTD

Location: AVONDALE GRID LYNDHURST S.A.

BASE TIES ACROSS CREEK

.60 Hours Loop Time: Loop Drift: .061 Mgals

Drift Rate: .101 Mgals/Hour Operator:

Gravimeter: Lacoste G#556

Date: 22/03/80

							and a contract of the contract of	
 LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER B= 2.4
		nin dala jama dina ana jama aina aya maa aka		, man lank and state over the wine of a law		, angan angan anna anna anna anna anna inagan angan anna a	arra anga angan sama daga sama angan sama sama sama sama sama sama sama sa	and and the state and appropriate laws from the
BASE	# 15	2759.680	0839		979297.17			
22000	14400	2759.690	0845	0121.56	979297.17	30.16450	979350.60	-28.14
22000	14600	2758.000	0855	0129.62	979295.44	30.16450	979350.60	-28.20
22000	14200	2759.570	0909	0121.71	979297.01	30.16450	979350.60	-28.27
BASE	# 15	2759.740	0915		979297.17		Andrew State of the State of th	
				•		-		*

\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*

\*\*\*\*\*\*\*\* LOOP NUMBER 24 \*\*\*\*\*\*\*\*\*\*\*\*

Client:

THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

207

LINE 22000N Coverage:

FROM 14000E TO 11800E

Track at 11800E

Loop Time: 1.35 Hours

Loop Drift: .020 Mgals Drift Rate:

.015 Mgals/Hour

Operator:

B.RAU

Gravimeter:

Lacoste G#556

Date:

22/03/80

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
				while desire from state order desire and an an a				
BASE	# 15	2759.740	0915		979297.17		in the second second	
22000	14000	2759.490	0926	0121.56	979296.91	30.16450	979350.60	-28.40
22000	13800	2759.310	0935	0121.42	979296.73	30.16450	979350.60	-28.61
22000	13600	2758.640	0940	0123.39	979296.05	30.16450	979350.60	-28.88
22000	13400	2757.980	0945	0124,68	979295.38	30.16450	979350.60	-29.30
22000	13200	2757.510	0950	0125.24	979294.90	30.16450	979350.60	-29.65
22000	13000	2757.400	0955	0125.56	979294.79	30.16450	979350.60	-29.69
22000	12800	2757.260	1000	0126.34	979294.65	30.16450	979350.60	-29.67
22000	12600	2757.180	1005	0127.11	979294.56	30.16450	979350.60	-29.59
22000	12400	2757.570	1009	0127.08	979294.96	30.16450	979350.60	-29.21
22000	12200	2757.790	1013	0127.08	979295.18	30.16450	979350.60	-28.98
22000	12000	2757.910	1017	0126.94	979295.30	30.16450	979350.60	-28.89
22000	11800	2758.060	1021	0126.79	979295.45	30.16450	979350.60	-28.77
BASE	# 15	2759.760	1036	*	979297.17			
			eg e e					

\*\*\*\*\* \* SOLO \*

LOOP NUMBER 25

Client: THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

> LINE 22000N Coverage:

FROM 14600E TO 17600E 14800E is near a track

Loop Time: 1.85 Hours
Loop Drift: .007 Mgals
Brift Rate: .004 Mgals/Hour

Operator:

Gravimeter:

B.RAU

Lacoste G#556

Date: 22/03/80

								· ·*
LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
		illin makin darin darin makin kuma sadib darin nikita'dakin i			the cold no II and task task task than the task task task	and the tipe and the time the time the time time.	and make these states after these array make which which	
BASE	# 15	2759.760	1036	A -	979297.17			
22000	14600	2758.040	1053	0129.62	979295.43	30.16450	979350.60	-28.21
22000	14800	2757.970	1101	0130.12	979295.35	30.16450	979350.60	-28.18
22000	15000	2758.360	1107	0128,48	979295.75	30.16450	979350.60	-28.14
22000	15200	2759.400	1112	0122.98	97 <b>9</b> 296.80	30.16450	979350.60	-28.21
22000	15400	2759.230	1117	0123.09	979296,63	30.16450	979350.60	<b>-28.</b> 36
22000	15600	2759.340	1121	0123.05	979296.74	30.16450	979350.60	-28.26
22000	15800	2759.570	1127	0123.20	979296.97	30.16450	979350,60	-28.00
22000	16000	2759.300	1132	0126.08	979296.70	30.16450	979350.60	-27.67
22000	16200	2759.420	1137	0126.68	979296.82	30.16450	979350.60	-27.43
22000	16400	2759.610	1142	0125.68	979297.01	30.16450	979350.60	-27.44
22000	16600	2759.600	1148	0124.74	979297.00	30.16450	979350.60	-27.65
22000	16800	2759.280	1152	0124.72	979296.68	30.16450	979350.60	-27,98
22000	17000	2759.080	1157	0124.69	979296.48	30.16450	979350,60	-28,19
22000	17200	2758.930	1202	0124.56	979296.32	30.16450	979350.60	-28.37
22000	17400	2759.140	1207	0124.54	979296.54	30.16450	979350.60	-28.16
22000	17600	2759.220	1212	0124.68	979296.62	30.16450	979350.60	-28.05
BASE	# 16	2758.060	1227		979295.44			<b>£</b>
		,— • — • = # (\$# (\$# (\$# (\$# )# ) *,						

\*\*\*\*\*\*\* \* SOLO \*

208

Client: THE B.H.P. CO PTY LTD Location: RYONDALE GRID LYNDHURST S.A.

Coverage: LINE 22000N

FROM 17600E TO 19800E

18200E is near a new fence

Loop Time: 2.17 Hours
Loop Drift: -.041 Mgals

Drift Rate: -.019 Mgals/Hour

Operator:

B.RHU

Gravimeter:

Lacoste G#556

Date: 22/03/80

				t e e		•		
LIME No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
	•						aria amin' and amin'	. The real rate and the last and the second
BASE	# 16	2758.060	1227	en e	979295.44			
22000	17600	2759.180	1339	0124.68	979296.59	30.16450	979350.60	-28.07
22000	17800	2759.210	1336	0124.37	979296.63	30.16450	979350.60	-28.10
22000	18000	2759.230	1340	0124.22	979296.65	30.16450	979350.60	-28.11
22000	18200	2759.370	1345	0124.02	979296.79	30.16450	979350.60	-28.01
22000	18400	2759.710	1351	0124.58	979297.14	30.16450	979350.60	-27.55
22000	18600	2760.180	1355	0124.24	979297.62	30.16450	979350.60	-27,14
22000	18800	2760,170	1359	0123.86	979297.61	30.16450	979350.60	-27.23
22000	19000	2760.330	1403	0123.59	979297.77	30.16450	979350,60	-27.12
22000	19200	2760.320	1407	0123.40	979297.76	30.16450	979350.60	-27.17
22000	19400	2760.780	1411	0123.42	979298,23	30,16450	979350.60	-26.70
22000	19600	2760.820	1415	0123.53	979298.27	30.16450	979350.60	-26.63
22000	19800	2760.689	1421	0123.56	979298.13	30.16450	979350.60	-26.77
BASE	# 16	2758.020	1437	* 1 * * * * * * * * * * * * * * * * * *	979295.44	and the second s		
•								

\* SOLO \* \*\*\*\*\* LOOP NUMBER 27

Client: Location:

THE B.H.P. CO PTY LTD AVONDALE GRID LYNDHURST S.A.

208 A

LINE 20000N Coverage:

FROM 15600E TO 19600E

Loop Time: 1.80 Hours
Loop Drift: .030 Mgals

Drift Rate: .017 Mgals/Hour

Operator:

Gravimeter:

Date:

B.RAU

Lacoste G#556

24/03/80

					*				
LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4	
	i alima dia ini pina bida mpa pina atra pina mana.	man pare duli dian jabe are less jam jam su			5 2 2 2		the second second of		
BAS	E # 17	2759.960	0641		979297.34				L [
2000	0 15600	2759.960	0642	0128.46	979297.34	30.18250	979352.01	-27.95	553
2000	0 15800	2760.260	0649	0128.26	979297.64	30.18250	979352.01	-27.69	
2000	0 16000	2760.070	0655	0128.73	979297.45	30.18250	979352.01	-27.78	
2000	0 16200	2759.760	0701	0129.35	979297.13	30.18250	979352.01	-27.97	863
2000	0 16400	2759.730	0705	0129.35	979297.10	30.18250	979352.01	-28.00	
2000	0 16600	2759.930	0709	0129.28	979297.30	30.18250	979352.01	-27.81	. \$8
2000	0 16800	2759.810	0713	0129.27	979297.18	30.18250	979352.01	-27.94	. 45
2000	0 17000	2759.630	0718	0129.47	979297.00	30.18250	979352.01	-28.08	
2000	0 17200	2759.500	0722	0129.73	979296.86	30.18250	979352.01	-28.16	. &
2000		2759.460	0726	0129.72	979296.82	30.18250	979352.01	-28.20	
2000		2759.500	9739	0129.64	979296.86	30.18250	979352.01	-28.18	800
2000		2759.530	0735	0129.35	979296.89	30.18250	979352.01	-28.21	
2000		2759.430	0739	0129.09	979296.79	30.18250	979352.01	-28.37	45.0
2000		2759.500	0742	0128.93	979296.86	30.18250	979352.01	-28.33	
2000		2759.530	0746	0128.57	979296.89	30.18250	979352.01	-28.38	
2000		2759.730	0750	0128.42	979297.09	30.18250	979352.01	-28.21	
2000		2759.750	0754	0128.68	979297.11	30.18250	979352.01	-28.13	
2000		2759.820	0758	0129.09	979297.18	30.18250	979352.01	-27,98	88
2000		2759.790	0802	0129.62	979297.14	30.18250	979352.01	-27.90	. [
2000		2759.620	0805	0131.48	979296.97	30.18250	979352.01	-27.69	i,
2000		2759.250		0134.30	979296.60	30.18250	979352.01	-27.48	
,									
BAS	E # 17	2759.990	0829		979297.34				
				٠					

\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*

\*\*\*\*\*\* LOOP NUMBER 28 \*\*\*\*\*\*\*\*\*\*\*\*\*\*

Client:

THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

209

LINE 18000H Coverage:

FROM 16000E TO 19000E 18200E near old fence

Loop Time: 1.30 Hours
Loop Drift: .041 Mgals

Drift Rate: .031 Mgals/Hour

Operator:

B.RAU

Gravimeter:

Lacoste G#556

Date: 24/03/80

				•				
LIHE	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
		متدر مند. مندر مند عندر ميد بيند بيند بيد م			nen , de eus que des ein que syn som niv sy'r	ages are the time of the same to the same		
BASE	# 18	2760.200	0845		979297.54			
18000	16000	2760.200	0846	0133.82	979297.54	30.20050	979353.42	-28.64
18000	16200	2759.930	0849	0133.92	979297.26	30.20050	979353.42	-28.30
18000	16400	2759,950	0855	0134.08	979297.28	30.20050	979353.42	-28.25
18000	16600	2759.640	0859	0134.49	979296.97	30.20050	979353.42	-28.48
18000	16800	2759.370	0903	0134.50	97 <b>9296.</b> 69	30.20050	979353.42	-28.75
18000	17000	2759.230	0907	0134.30	979296.55	30.20050	979353.42	-28.94
18000	17200	2759.020	0910	0134.09	979296.33	30.20050	979353.42	-29.19
18000	17400	2758.950	0914	0134.08	979296.26	30.20050	979353.42	-29.27
18000	17600	2758.850	0918	0134.32	979296.15	30.20050	979353.42	-29.32
18000	17800	2758.590	0922	0135.24	979295.89	30.20050	979353.42	-29.40
18000	18000	2758.410	0926	0136.63	979295.70	30.20050	979353.42	-29.29
18000	18200	2758.580	0931	0137.42	979295.87	30.20050	979353.42	-28.96
18000	18400	2758.440	0935	0138.37	979295.73	30.20050	979353.42	-28.98
18000	18600	2758.700	0938	0138.99	979295.99	30.20050	979353.42	-28.51
18000	18800	2758.600	0942	0140.66	979295.89	30.20050	979353.42	-28.27
18000	19000	2758.720	0947	0142.10	979296.01	30.20050	979353.42	-27.85
•				•				
BASE	# 18	2760.240	1003		979297.54			•

\*\*\*\*\* \* SOLO \* \*\*\*\*\*

\*\*\*\*\*\*\* LOOP NUMBER 30 \*\*\*\*\*\*\*\*

209A

Client: THE B.H.P. CO PTY LTD

Location: AVONDALE GRID LYNDHURST S.A.

Coverage: BASE TIE

FROM BASE 2 TO BASE 4

Loop Time: .30 Hours Loop Drift: 0.000 Mgals Drift Rate: 0.000 Mgals/Hour

Operator: B.RAU

Gravimeter: Lacoste G#556

11/03/80 Date:

LINE STATION METER TIME ELVN OBSGRAV LATITUDE THGRAV BOUGUER No. No. READING (meters) (mgals) (degrees) (mgals) D= 2.4

BASE # 02 2759.610 1603 979298.54

16000 16000 2757.630 1611 0125.70 979296.53 30.21850 979354.83 -32.15

BASE # 02 2759.610 1621 979298.54.

\*\*\*\*\*\* \* SOLO \*

210

LOOP NUMBER 33 \*\*\*\*\*\*\*

Client: Location: THE B.H.P. CO PTY LTD AVONDALE GRID LYNDHURST S.A.

BASE TIE Coverage:

Loop Time: .60 Hours
Loop Drift: .051 Mgals
Drift Rate: .084 Mgals/Hour

Operator:

B.RAU

Gravimeter:

Lacoste G#556

Date:

15/03/80

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4	
A-10 220 Chr. days	many data, mana upana dapat bagai dapat	همة تناه مهم ملح علم منه منه هما مهم همه همه			der en met den den den den gebrepe bevorde und		n anticipine, man almo, man pian pera ann agus ann	e (1986), 1986 Julius Albert Gaste (1986 Julius (1986) 1986)	
BASE	# 08	2765.070	1424		979303.72				
10000	15000	2769.030	1448	0153.14	979307.70	30.27250	979359.06	-19.51	.*
BASE	# 08	2765.120	1500	•	979303.72				-

\*\*\*\*\* \* SOLO \* \*\*\*\*\*

LOOP NUMBER 31 \*\*\*\*\*\*\*

Client:

THE B.H.P. CO PTY LTD Location: AVONDALE GRID LYNDHURST S.A.

511

Coverage: BASE TIE

Loop Time: .50 Hours

Loop Drift: 0.000 Mgals

Drift Rate: 0.000 Mgals/Hour

Operator:

B.RAU

Gravimeter: Date:

Lacoste G#556

11/03/80

	**		ν.					
LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	()BSGRAV (mgals)	LATITUDE (degrees)	THGRAV (mgals)	BOUGUER D= 2.4
BAS	E # 04	2757.580	1232		979296.53			
1600	0 12000	2762.320	1247	0127.12	979301.33	30.21850	979354.83	-27.05
			,	•			, •	
BAS	E # 04	2757.580	1302		979296.53		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* DATA REDUCTION PARAMETERS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* CLIENT: THE B.H.P. CO PTY LTD LOCATION: RECON LINE WEST OF LYNDHURST Bouguer Reduction Density is 2.4 gm/cc 212 Base Line Bearing is 0 degrees EAST The Known Point of 30.167 degrees Latitude is located at Line Number 10000 and Station Number 15000 The Base Station Observed Gravity Values are: BASE # OBSERVED GRAVITY (mgals) 1 2799.02 2 2799.76 3 2802.89

213

## \*\*\*\*\*\* CATALOG OF RAW FIELD DATA \*\*\*\*\*\*

LOOP#	1	LINE	10000N	FROM	18000E	TO	16000E
			Creek at 16100E				
LOOP#	2	LINE	10000H	FROM	16000E	ŤΟ	13000E
			Last Km through creek	(nough	r)		
LOOP#	3	LINE	10000N	FROM	13000E	ΤO	10000E
			Creek at 10800E				
LOOP#	4	LINE	10000N	FROM	18000E	ΤO	20000E
			Along fence line				
			•				

\*\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*\*

214

Client: THE B.H.P. CO PTY LTD Location: RECON LINE WEST OF LYNDHURST

Coverage: LINE 10000N FROM 18000E TO 16000E Creek at 16100E

Loop Time: 1.95 Hours Loop Drift: .010 Mgals

Drift Rate: .005 Mgals/Hour

Operator: Gravimeter:

B.RAU Lacoste G#556

Date: 26/03/80

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAY (mgals)	BOUGUER D= 2.4
	-	the wife that their time and the time the time the		n agus agus, abha sann agus agus agus agus agus agus agus agus				
BASE	# 01	2762.630	0821		2799.02			· · · · · · · · · · · · · · · · · · ·
10000	18000	2762.630	0822	0133.72	2799.02	30.16700	979350.79	00
10000	17800	2762.320	0828	0135.87	2798.71	30.16700	979350.79	.13
10000	17600	2760.670	0835	0140.78	2797.03	30.16700	979350.79	52
10000	17480	2760.290	084 <b>0</b>	0145.20	2796.65	30.16700	979350.79	.01
10000	17200	2760.030	0845	0146.76	2796.38	30.16700	979350.79	.07
10000	17000	2760.290	0851	0146.30	2796.65	30.16700	979350.79	. 24
18888	16800	2761.170	9855	0142.56	2797.54	30.16700	979350.79	.35 <sup>°</sup>
10000	16600	2761.690	0859	0140.57	2798.06	30.16700	979350.79	.46
10000	16400	2762.640	0904	0137.34	2799.03	30.16700	979350.79	.76
10000	16200	2764.750	1001	0128.88	2801.16	30.16700	979350.79	1.13
10000	16000	2763.370	1006	0135.35	2799.76	30.16700	979350.79	1.08
BASE	# 01	2762.640	1018		2799.02			<b>.</b>
				• .				4.

\*\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*

Client: THE B.H.P. CO PTY LTD Location: RECON LINE WEST OF LYNDHURST

Coverage: LINE 10000N
FROM 16000E TO 13000E
Last Km through creek (rough)

215

Loop Time: 1.75 Hours
Loop Drift: .051 Mgals
Drift Rate: .029 Mgals/Hour

Operator: Gravimeter: Date:

Lacoste G#556 26/03/80

LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degroes)	THGRAV (mgals)	BOUGUER D= 2.4
					artic darth fields drive from some trees quick gripe and			
BASE	# 02	2763.370	1031		2799.76			and the second s
10000	16000	2763.370	1032	0135.35	2799.76	30.16700	979350.79	1.07
10000	15800	2763.680	1039	0135.09	2800.07	30.16700	979350.79	1.33
10000	15600	2764.960	1045	0129.04	2801.36	30.16700	979350.79	1.37
10000	15400	2764.790	1050	0129.89	2801.19	30.16700	979350.79	1.37
10000	15200	2764.550	1054	0130.88	2800.94	30.16700	979350.79	1.33
10000	15000	2764.770	1058	0131.44	2801.17	30.16700	979350.79	1.67
10000	14800	2765.050	1102	0132,05	2801.45	30.16700	979350.79	2.08
10000	14600	2764.960	1105	0132.17	2801.35	30.16700	979350.79	2.01
10000	14400	2764.590	1110	0132.40	2800.98	30.16700	979350.79	1.68
10000	14200	2764.510	1114	0132.68	2800.89	30.16700	979350.79	1.65
10000	14000	2765.410	1119	0129.49	2801.80	30.16700	979350.79	1.90
10000	13800	2765.570	1125	0129.76	2801.96	30.16700	979350.79	2.12
10000	13600	2765.970	1131	0129.76	2802.37	30.16700	979350.79	2.52
10000	13400	2766.350	1140	0130.15	2802.75	30.16700	979350.79	2.98
10000	13200	2766.660	1148	0130.31	2803.06	30.16700	979350.79	3.32
10000	13000	2766.500	1153	0130,47	2802.89	30.16700	979350.79	3.19
BOOT	# 60	0750 405	1010			•		
BASE	# 65	2763.420 .	1216		2799.76		•	

\*\*\*\*\*\*\*\* \* SOLO \* \*\*\*\*\*\* Client: THE B.H.P. CO PTY LTD Location: RECON LINE WEST OF LYNDHURST

> Coverage: LINE 10000N FROM 13000E TO 10000E

Creek at 10800E

216

Loop Time: 1.53 Hours
Loop Drift: .041 Mgals
Drift Rate: .026 Mgals/Hour

Operator: Gravimeter: B.RAU Lacoste G#556

Date: 26/03/80

			•					
LINE No.	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)	THGRAY (mgals)	BOUGUER D= 2.4
BASE	# 03	2766.570	1341		2802.89			
10000	13000	2766.570	1342	0130.47	2802.89	30.16700	979350.79	3.19
10000	12800	2766.840	1346	0131.5%	2803.16	30.16700	979350.79	3.68
10000	12600	2766.440	1351	0132.94	2802.75	30.16700	979350.79	3.57
10000	12400	2765.870	1355	0135.17	2802.17	30.16700	979350.79	3.45
10000	12200	2765.440	1400	0138.5:	2801.74	30.16700	979350.79	3.71
10000	12000	2765.340	1405	0140.77	2801.63	30.16780	979350.79	4.08
10000	11800	2765.280	1409	0141.45	2801.57	30.16700	979350.79	4.15
10000	11600	2765.030	1414	0142.92	2801.31	30.16700	979350.79	4.20
10000	11400	2765.510	1418	0140.73	2801.80	30.16700	979350.79	4.23
10000	11200	2765.260	1422	0143.43	2801.54	30.16700	979350.79	4.54
10000	11000	2766.040	1429	0141.35	2802.33	30.16700	979350.79	4.89
10000	10800	2766.690	1435	0139.38	2802.99	30.16700	979350.79	5.14
10000	10600	2766.100	1439	0141.57	2802.39	30.16700	979350.79	5.00
10000	10400	2765.690	1445	0144.55	2801.97	30.16700	979350.79	5.20
10000	10200	2766.130	1450	0145.84	2802.41	30.16790	979350.79	5.91
10000	10000	2765.270	1454	0149.78	2801.54	30.16700	979350.79	5.86
BASE	# 03	2766.610	1513		2802.89			

\* SOLO \* \*\*\*\*\*

\*\*\*\*\*\*\*\*\* LOOP NUMBER 4 \*\*\*\*\*\*\*\*\*

217

Client: Location: THE B.H.P. CO PTY LTD

RECON LINE WEST OF LYNDHURST

LINE 10000N Coverage:

FROM 18000E TO 20000E

Along fence line

Loop Time: .92 Hours
Loop Drift: .010 Mgals

Drift Rate: .011 Mgals/Hour

Operator:

B.RAU

Gravimeter:

Lacoste G#556

26/03/80

Date:

LIME	STATION No.	METER READING	TIME	ELVN (meters)	OBSGRAV (mgals)	LATITUDE (degrees)		BOUGUER D≐ 2.4
		name, napan anna gana kungi saam apan kunun adak kasa		the the the same new man page is a . if what	ma. a. a. mine mane uner mene mane mane mane mane.	a designation and then they have been seen that design	ست بنده الطار محد مدي الدي حجاء الجاء الحاء الجاء	* to 1967, to to to 120 at 150 at
BASE	# 01	2762.810	1544		2799.02			
10000	18000	2762.810	1545	0133,72	2799.02	30.16700	979350.79	00
10000	18200	2763.440	1549	0129.64	2799.66	30.16700	979350.79	22
10000	18400	2763.530	1554	0127.12	2799.75	30.16700	979350.79	65
10000	18600	2763.180	1559	0129.57	2799.39	30.16700	979350.79	50
10000	18800	2762.320	1603	0133.12	2798.52	30.16700	979350.79	63
10000	19000	2763.000	1606	0130.17	2799.21	30.16700	979350.79	55
10000	19200	2763.930	1612	0128.84	2800.15	30.16700	979350.79	. 1 i
10000	19400	2765.550	1615	0122.69	2801.79	30.16700	979350.79	.47
10000	19600	2766.020	1619	0121.93	2802.27	30.16700	979350.79	.79
10000	19800	2766.570	1622	9121.56	2802.82	30.16700	979350.79	1.27
10000	20000	2767.170	1626	0120.00	2803.43	30.16700	979350.79	1.55
BASE	# 01	2762.820	1639		2799.02			
<b>.</b>		- J.S. 10 M.O. 10 N.O. 10 N.O. 10			e de la companya de La companya de la co		:	

