CONTENTS ENVELOPE 3314

TENEMENT: E.L. 385

TENEMENT HOLDER: OILMIN N.L. - TRANSOIL N.L. - PETROMIN N.L.

REPORTS:

OILMIN N.L. TRANSOIL N.L. PETROMIN N.L.

EXPLORATION LICENCE 385

SOUTH AUSTRALIA

QUARTERLY REPORT FOR PERIOD ENDING 25TH APRIL, 1978

R.J. FORREST

15th September, 1978.

INTRODUCTION

During the quarter, Minoil Services Pty. Ltd. of Adelaide, on behalf of the holders of E.L. 385, made an assessment of the mineralisation potential of the area and made recommendations for future work. A summary of the assessment and the recommendations is shown below.

MINERALISATION POTENTIAL

The Exploration Licence has some potential for "Olympic Dam" type mineralisation (i.e. mineralisation similar to Western Mining Corporation's copper - uranium deposit at Roxby Downs, South Australia).

Further exploration is warranted.

RECOMMENDATIONS

One or two holes should be drilled along a gravity ridge trending east-west in the area. However, it would be desirable to run detailed gravity in the vicinity of the ridge prior to selecting drill sites.

R.J. Forrest

15th September, 1978.

TECHMIN PTY. LTD.

7th FLOOR, 27-35 TURBOT ST., BRISBANE, Q. 4000
POSTAL ADDRESS: P.O. BOX 232, NORTH QUAY, Q. 4000
PHONE: 21 8288, 21 8448

Telegraphic Address:
"Techmin", Brisbane
Telex: AA41040

Management Company for—
OILMIN N.L.
TRANSOIL N.L.
PETROMIN N.L.

000005

CWS..mb.

4th December, 1978.

The Director-General,
Department of Mines & Energy,
P.O. Box 151,
EASTWOOD, S.A., 5063.

Dear Sir,

Exploration Licences 383, 384, (385) 386.

Further to your letter of 29th September addressed to Mr. R.J. Forrest, the expense incurred on each Exploration Licence up to 25th April was $304-40.

No expenditure was incurred in the period from 25th April to 25th July.

Yours sincerely,

C.W. Siller,

Chairman of Directors.

OILMIN N.L. TRANSOIL N.L. PETROMIN N.L.

EXPLORATION LICENCE 385

SOUTH AUSTRALIA

QUARTERLY REPORT FOR PERIOD ENDING 25TH JULY, 1978.

R.J. FORREST

15th September, 1978.

INTRODUCTION

During the quarter an exploration programme, consisting of a gravity survey followed be drilling was designed by Mr. I.P. Youles, Consulting Geologist, on behalf of the holders of E.L. 385.

The purpose of the survey is to more accurately delineate the peak of the gravity high.

The gravity survey will be carried out in the near future.

A summary of the exploration programme is shown below.

PROPOSED EXPLORATION PROGRAMME

1. A gravity survey at 2km by 1km spacing.

2. A detailed gravity survey to define gravity peak and shape

3. Drilling on the gravity peak.

R.J. Forrest

15th September, 1978.

TECHMIN PTY. LTD.

7th FLOOR, 27-35 TURBOT ST., BRISBANE, Q. 4000
POSTAL ADDRESS: P.O. BOX 232, NORTH QUAY, Q. 4000
PHONE: 21 8288, 21 8448

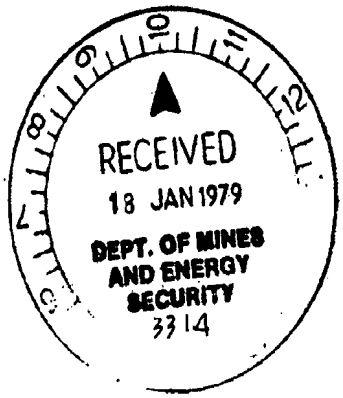
Telegraphic Address:
"Techmin", Brisbane
Telex: AA41040

Management Company for—
OILMIN N.L.
TRANSOIL N.L.
PETROMIN N.L.

000008

11th January, 1979.

Director General,
Department of Mines and Energy,
P.O. Box 151,
EASTWOOD, S.A. 5063



3rd Quarterly Report EL 385

Summary

During the period literature studies were undertaken and a suggested programme of exploration to be undertaken in the 4th Quarter was received from I. Youles.

Consultants were contacted in respect to carrying out an expanded version of I. Youles programme.

Literature Studies

Available literature on areas of the Stuart Shelf was studied by I. Youles and on the basis of his experience and the above studies a programme of field operations was formulated and submitted for consideration.

Field Programme

A copy of I. Youles suggested programme is attached to this report. In considering the programme it was decided to expand the activities to include Track Etch, magnetics, radiometric and gravity surveys.

Original Proposal

The area of EL 385 was originally proposed by R. Grasso and a copy of his report is attached to this Quarterly Report.

Expenditure

An expenditure statement in respect to EL 385 has been forwarded previously.

PROPOSED EXPLORATION PROGRAMME

EXPLORATION LICENCE 385 and 386

Summary

Detailed gravity survey - drilling to 750m.

1. **Objective**

Large tonnage uranium copper deposit, similar to Olympic Dam; the latter has minimum areal extent of 1½ km x ½ km.

2. **Target**

Based on correlation of Olympic Dam and Mt. Painter deposits, target would be in Sturtian or Tornasian rocks on continental margin to main geosyncline. Due to higher density of the mineralised rock (S.G. 3.0), a positive gravity anomaly should be detected at surface.

On EL 385 and 386 the rock sequences are probably horizontal.

Existing Data

Regional gravity and magnetic surveys.

Proposed Exploration

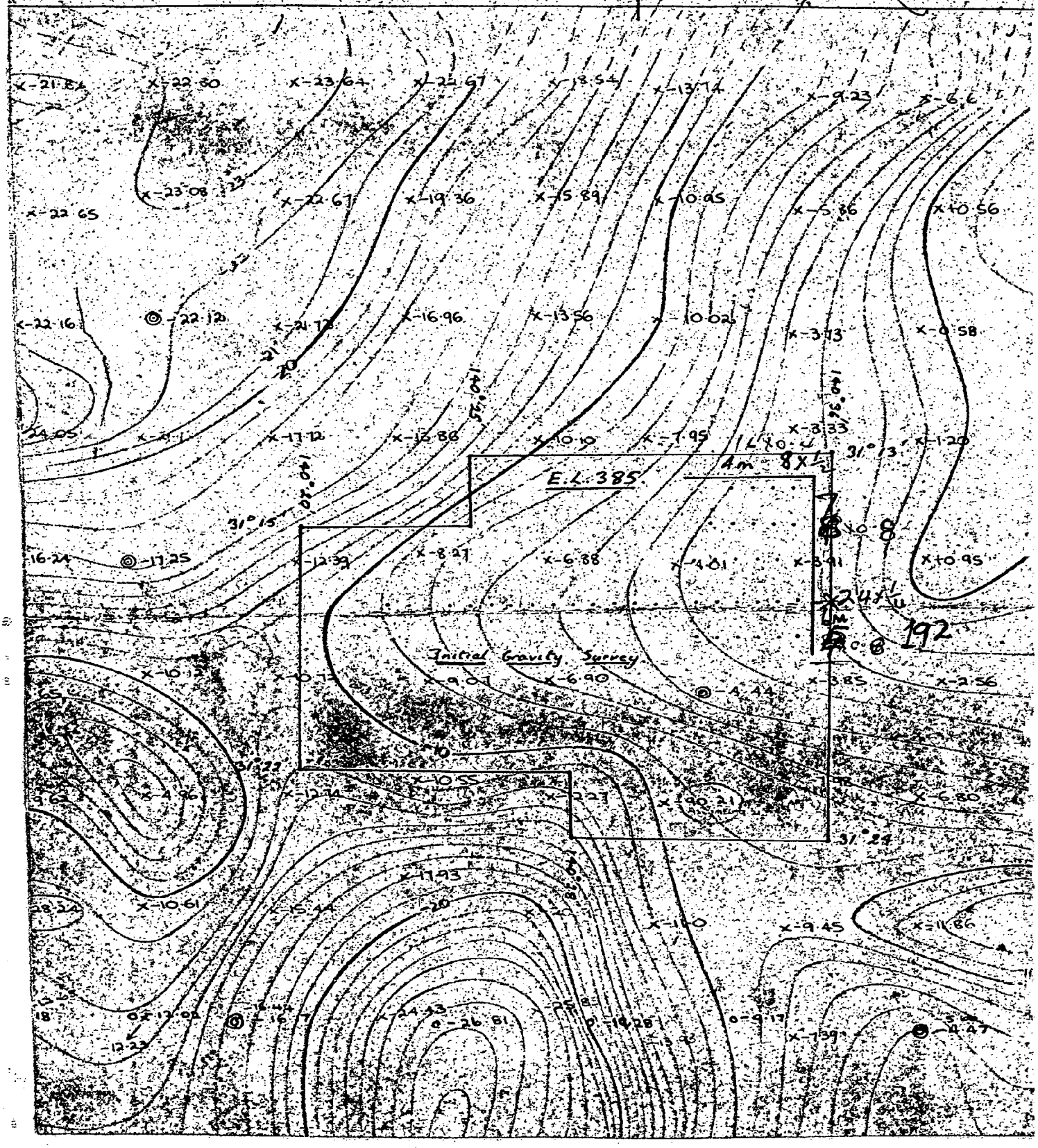
Exploration would be justified if geological success achieved during work on EL 383.

1. Gravity survey at 2 km x 1 km spacing.
2. Detailed gravity to define gravity peak and shape.
3. Drilling on gravity highs. Drilling would cease on intersection of unbrecciated metamorphics or igneous rocks except potash rich acidic rocks; otherwise T½D. would be economic limit (currently 750 m on Stuart Shelf).

CURNAMONA - 1:250,000 - GRAVITY

000010

EL 385



SCHEDULE A

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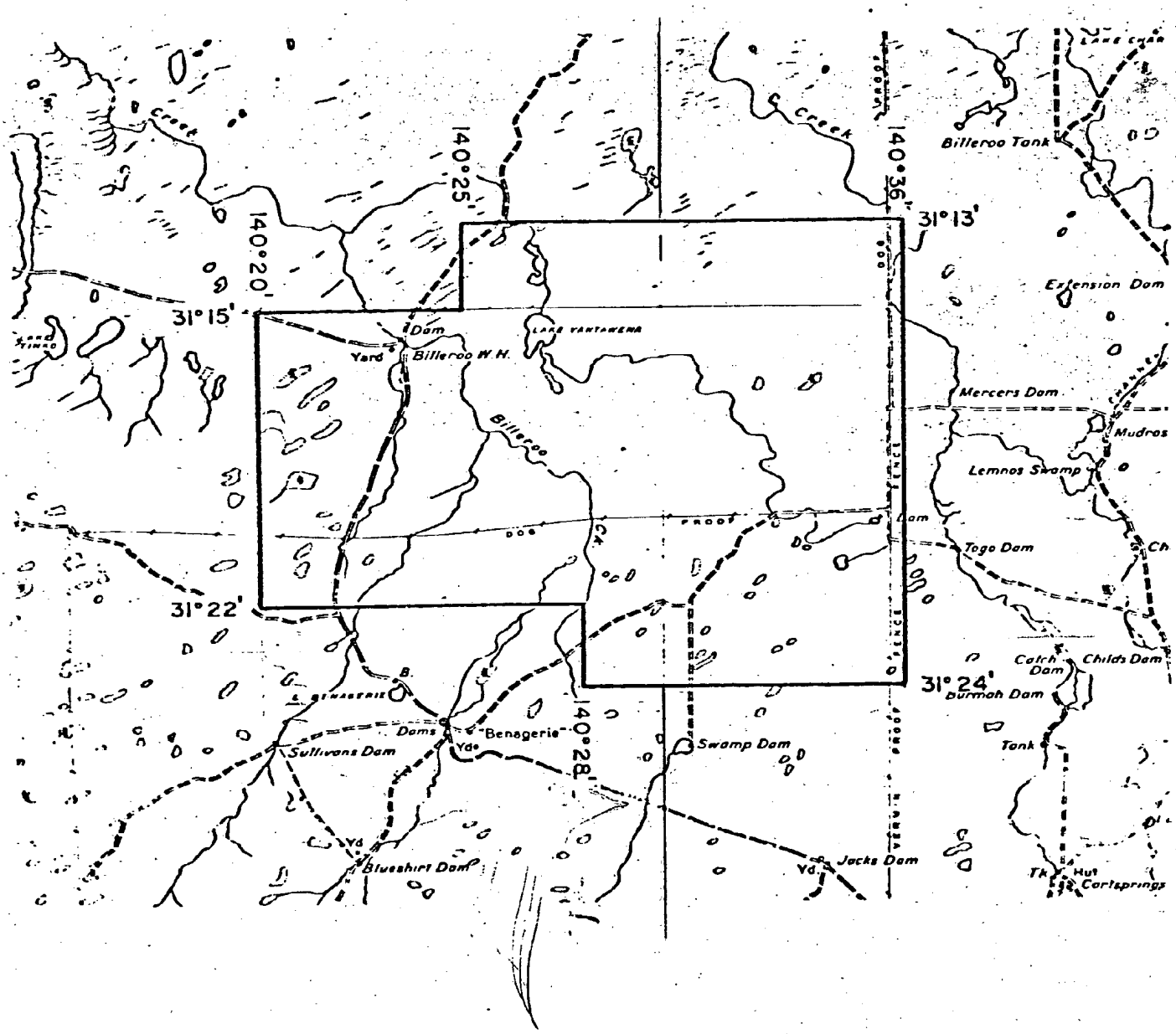

SCALE 1:250 000

KILOMETRES 5 0 5 10 15 20 25 KILOMETRES

APPLICANT: OILMIN N.L., TRANSOIL N.L. AND PETROMIN N.L.

D.M.: 648/77 AREA: 440 Square kilometres

1: 250 000 PLANS: CURNAMONA

LOCALITY: LAKE YANTAWENA AREA – APPROX. 110 KM N. OF OLARY

EXPIRY DATE: 25·1·79 E.L. No.: 385

OILMIN N.L., TRANSOIL N.L. &PETROMIN N.L.

PRELIMINARY APPRAISAL,

E.L. 385

SOUTH AUSTRALIA

by

R.Grasso, M.Sc.,

MINOIL SERVICES PTY. LTD.

Gravity before the thing

CONTENTS.

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Page

Enclosures.

Plan OTP 385/1	Lease map
Plan OTP 385/2	Curnamona 1:250000 Geological sheet.
Plan OTP 385/3	Curnamona 1:250000 Bouguer anomaly map. (incomplete)
Plan OTP 385/4	Curnamona 1:250000 Aeromagnetic map of total intensity.

INTRODUCTION.

Exploration Licence No. 385 covers an area of approximately 440 sq. kilometres in South Australia. It is located approximately 450 kilometres north west of Adelaide, East in the southern part of the Strzelecki desert, (plan OTP 385/1) within the Curnamona 1:250000 sheet.

The area was chosen because of its potential for "Olympic Dam" type copper-uranium mineralisation. Appendix 1 is a summary of the Olympic Dam discovery, as published by the South Australian Department of Mines.

PREVIOUS INVESTIGATIONS.

The Curnamona 1:250000 sheet has been geologically mapped on a regional basis. Plan OTP 385/2 is a preliminary copy of the geological sheet, based on photo interpretation. Also, a partly completed Bouguer anomaly map is available. Plan OTP 385/ 3 is an amended copy showing contours within and around the E.L. area. The Aeromagnetic map of total intensity of the Curnamona 1:250000 sheet is available, and is included as plan OTP 385/4.

In addition to the above basic geological information there are records on the activities of oil explorers as well as information on the search for post-Mesozoic sedimentary uranium deposits.

REASON FOR PRESENT EXPLORATION.

Appendix 1 gives some general information of the Olympic Dam copper-uranium mineralisation. From this, and from conclusions reached after several discussions with officiers of the South Australian Department of Mines, the writer feels that there are some "indicators" common with the Olympic Dam copper-uramium, the Mt. Painter uranium and the Mt. Gunson copper deposits. (plan OTP 385/1) The three mineral occurrences are tectonically located on continental margins of the Adelaide "Geosyncline". They all occur within host rocks of the Umberatana Group equivalents; they are all associated with abundant ferruginous minerals. Also the Olympic Dam and the Mt. Gunson deposits are associated with gravity highs. While the Olympic Dam deposit is located on a magnetic high, the Mt. Gunson occurrence is along the flank of a magnetic high anomaly.

The E.L. 385 area appears to display some of these "indicators" and therefore is regarded as having some potential for this type of mineralisation.

GEOLOGY OF THE E.L.385 AND SURROUNDING AREAS.

The E.L. 385 area is located on the eastern continental margin of the Adelaide "Geosyncline". The surface geology of the area consists entirely of Recent aolian sand typical of the Strzelecki desert. (plan OTP 385/2) The nearest Umberatana Group equivalents shown on the Curnamona geological

sheet occur as Sturtian quartzites and siltstones outcropping in the south western part of the sheet, some 100 kilometres south west of the E.L. area. Willyama rocks of Lower Proterozoic and Carpentarian age outcrop in the southern parts of the Curnamona 1:250000 sheet. (plan OTP 385/2) At Mt. John, approxima 25 kilometres south of the southern boundary of the E.L. there several small outcrops of the Willyama complex. Although the Curnamona 1:250000 geological sheet does not show any Palaeozoic or Mesozoic outcrops, at least Cretaceous and possibly Jurassic are thought to be present in subcrop. The writer regards the possibility of Umberatana Group equivalent as subcrops within the E.L. area as remote; but approximately 50 kilometres north, the Mudguard No. 1 hole bottomed in volcanic rocks of Proterozoic age. Elsewhere minor volcanics are known to exist within Umberata Group equivalents, consequently there still is the possibility (althought remote) that Umberatana Group equivalents exist as subcrops within the E.L. area.

Geophysically, the E.L. area contains a gravity ridge (plan OTP 385/3) which trends westwards out of the E.L. are where it reflects the Benagerie basement high. This high has been proved by seismic and drilling. The gravity anomaly is associated with a magnetic ridge anomaly (plan OTP 385/4)which trends in a south westerly direction towards the Benagerie basement high. This south westerly trending magnetic ridge may prove to be significant if the detailed gravity work proposed below delineates a gravity anomaly coincident with the magnetic anomaly.The interpretation of the present gravity and magnetic maps indicates that there is some association between the

[illegible] and north western parts of the E.L. area.

MINERALISATION POTENTIAL OF THE E.L. 385 AREA.

While the existence of Umberatana Group equivalent rocks have not been proved in the E.L. area, the lease has some potential for"Olympic Dam" type of mineralisation. Possible "indicators" are,

1. The area is located on the eastern continental margin of the Adelaide "Geosyncline".
2. There is a gravity ridge trending west in the E.L. area.
3. There is a magnetic ridge trending south westerly in the north west part of the E.L. area.
4. There is the possibility (although remote) that Umberatana Group equivalent rocks exist within the E.L. area.

In view of the above, it is felt that the E.L. 385 area warrants testing. One or two holes should be drilled but prior to selecting sites it would be desireable to run some detailed gravity in the vicinity of the ridge mentioned above. Anomalies along the ridge (after extracting the regional effect) could then be used in conjunction with existing magnetic work to select the drill sites.

CONCLUSIONS & RECOMMENDATIONS.

The E.L. 385 area has some potential for "Olympic Dam" type mineralisarion. However, additional gravity work is required in part of the area before drill sites are selected.

ACKNOWLEDGEMENTS.

The writer wishes to express his appreciation to officers of the South Australian Department for making information on open file available. In particular to Messrs. I.P. Youles, B. Milton and C.Anderson for their many helpful discussions and suggestions.

R.Grasso
Minoil Services Pty. Ltd

Adelaide
Feb. 9, 1978

NUMBER 7
AUGUST 1977
ISSN 0313–6086

Olympic Dam Copper Deposit on Roxby Downs Station

The following notes on this important discovery have been prepared by agreement with Western Mining Corporation and provide for the first time details of stratigraphy and mineralisation. The co-operation of Western Mining in agreeing to the release is much appreciated, and the information is put forward with the prime objective of enabling other explorers in the area to assess better their own programmes. The Department will similarly be seeking the release of prime deeper drilling stratigraphic data from other explorers to ensure that the basic information is continually updated for the benefit of all explorers in the region.

The Olympic Dam Copper Prospect recently discovered by Western Mining Corporation is located approximately 25 km west of Andamooka. The area was selected for exploration after a detailed study of the tectonics, depositional environments and geophysics of the Proterozoic stratigraphy of the Stuart

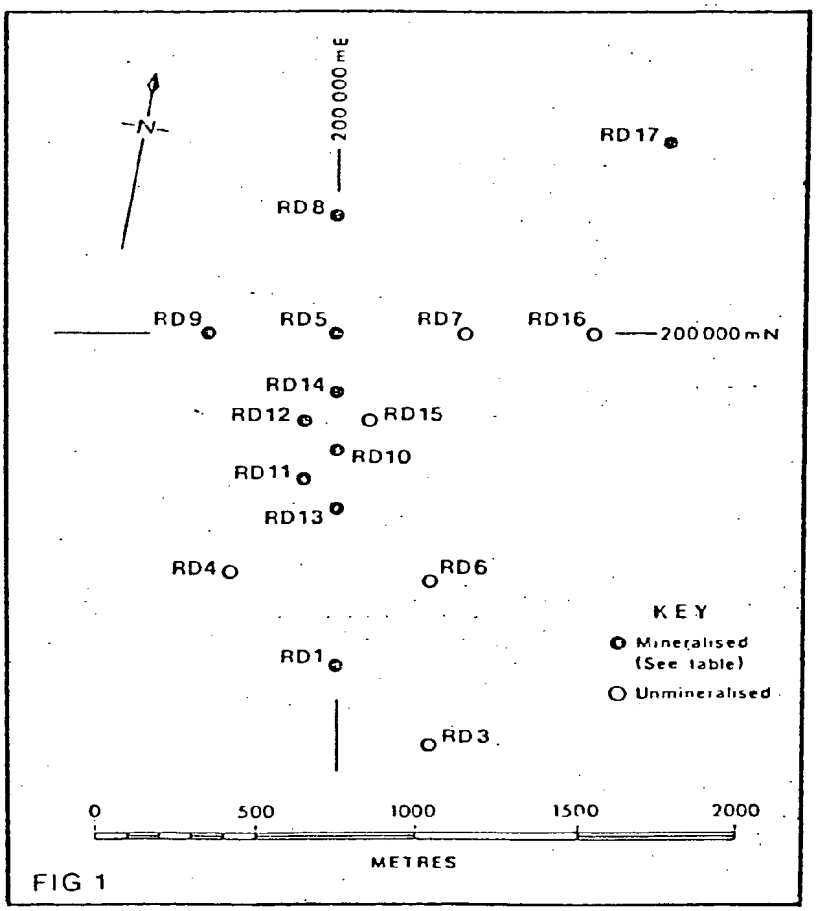

FIG 1

TABLE 1

Hole No.	Depth (m)	From (m)	To (m)	Thickness (m)	%Cu	U_3O_8
RD 1	411	353	391	38	1.05	0.01
		including				
		371	391	20	1.30	0.01
RD 5	460	364	456	92	1.01	0.01
		including				
		364	398	34	1.38	0.01
RD 8	600	356	370	14	1.20	0.01
RD 9	500	386	480	94	0.38	Trace
		including				
		418	426	8	1.00	Trace
RD 10	529	348	518	170	2.12	0.059
		including				
		376	392	16	3.42	0.074
		422	432	10	4.38	0.086
RD 11	732	330	454	124	1.14	0.039
		494	618	124	1.03	0.041
		including				
		516	566	50	1.48	0.060
RD 12	575	370	380	10	2.20	0.054
		454	542	88	0.90	0.027
		including				
		454	482	28	1.71	0.047
RD 13	472	328	382	54	1.92	0.041
		including				
		336	370	34	2.40	0.053
		426	454	28	1.06	0.030
RD 14	696	356	416	60	1.38	0.015
		including				
		388	408	20	2.19	0.031
		442	562	120	1.36	0.044
		including				
		510	530	20	2.30	0.064
		612	620	8	1.83	0.050
RD 17	In Progress	327	401	74	2.5	0.078

Stable Shelf. Exploration Licence 190 was granted by the South Australian Government in May, 1975.

Regional gravity and magnetic surveys at a scale of 1:250 000 indicated a number of coincident gravity and magnetic anomalies in the area. These were interpreted as possibly representing structural situations similar to the Pernatty "Culmination" which is associated with the Mount Gunson copper mineralisation.

Detailed gravity and magnetic surveys further defined the structure on which the discovery hole, RD1 was sited in July, 1975. An additional 15 holes have since been drilled and their locations and assays are given in Figure 1 and Table 1. Nine of these holes have intersected mineralisation over an area

1 500 metres by 400 metres. They are widely spaced and although the rock types and the nature of the mineralisation are sufficiently similar to suggest continuity of the mineralisation between holes, a great deal more drilling will be required to establish an ore reserve. A further hole, RD17, located approximately 1 000 metres north east of this zone has also intersected mineralisation.

The mineralisation occurs approximately 350 metres below the surface and a generalised stratigraphic section of the cover sequence is as follows:-

Stratigraphy	Thickness
Andamooka Limestone	28- 54 metres
Arcoona Quartzite	130-165 "
Corraberra Sandstone	13- 25 "
Wonnera Shale	105-127 "

The mineralisation occurs in a hematitic, granitic breccia. Petrographic studies show the copper minerals to be chalcopyrite, bornite, chalcocite and digenite, associated with quartz, sericite and hematite. Barite and fluorite are present in varying amounts. Sulphide textures indicate replacement of pyrite by chalcopyrite but co-existing bornite and chalcopyrite display mutual boundary textures with some crystallographically orientated exsolution intergrowths. Bornite, chalcocite and digenite are associated in intergrowths which are usually myrmekitic. Sulphide deposition seems to have evolved through an early iron rich stage to a later copper rich stage.

The uranium minerals are generally very fine grained and occur in association with the copper minerals. They have been identified with the electron microprobe analyser as uraninite and the uranium-titanium minerals brannerite and/or davidite. Covellite, carrolite, cobaltite and gold have also been identified in trace amounts in polished section.

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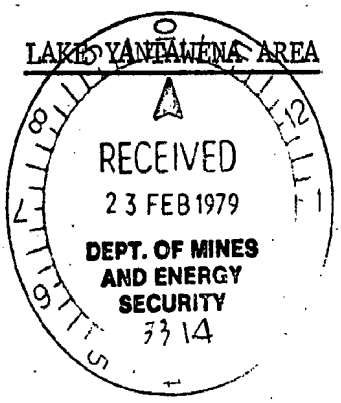
OILMIN N.L. and WESTERN NUCLEAR AUSTRALIA LIMITED

REPORT ON

SURVEYS CARRIED OUT ON EL. 385 S.A.



4th Quarterly Report

to Department of Mines

South Australia

January 1979

REPORT ON SURVEYS CARRIED OUT ON EL. 385

CONTENTS

APPENDIX TO EL. 385

1. Equipment and Manpower
2. Field notes of gravity stations

LIST OF PLANS

1	Locality map	1:~~250 000~~ 250,000
2.	Gravity map	1:20 000
3.	Magnetic map	1:20 000
4.	Radiometric map	1:20 000
5.	Track Etch location map	1:20 000
6.	Track Etch Contour map	1:20,000

ATTACHMENTS

1. Track Etch Report by Terradex Corp
2. Report on Drilling Mudguard No.1 and Yalcalpo No.2 by B.C. Youngs (with EL 388 Report.)

REPORT ON SURVEYS CARRIED OUT ON EL. 385 S.A.

LAKE YANTAWENA

INTRODUCTION

Exploration Licence 385 of 440 km^2 was granted on 26th January 1978 for a term of one year. The Licence was subsequently extended for a period of three months to 26th April 1979.

An expenditure commitment of $14,000 is applied to the Licence and this figure has been approximately met in operations to date.

REPORT ON SURVEYS CARRIED OUT ON PART EL.385 S.A.

LAKE YANTAWENA

SUMMARY

During the period October-December 1978 Track Etch, gravity, magnetic and radiometric surveying was carried out over an area of 55 square km of EL.385 (total area 440 square km).

The Licence Area was originally proposed by Mr R. Grasso and the specific area to be surveyed was recommended by Mr I Youles.

The area was surveyed on a 0.8 x 0.4 km (½ x ¼ mile) grid. A total of 192 sample sites or stations were occupied.

Base station was established 3.2 km south of boundary gate leading to Mercers Dam/Lemnos Swamp on the boundary fence. Apart from the boundary fence no other cultural or significant topographic features exist within the surveyed area.

Results of the survey show:

1. Gravity - A restricted high occurs adjacent to Mercers gate. There is evidence of relatively recent drilling near the gate but no reference exists (or was located) in the Mines Department files as to who drilled the area or with what results. However as no follow-up action was taken it is presumed that results were not encouraging.

Two other relatively vague highs occur but no significance is attached to these. The northern area of highs is undoubtedly a regional feature. A general gradient of approximately 4-5 milligals exists in the area

with the higher values being at the northern part of the surveyed area. It is not considered that the gravity results show any pattern that directly relates to economic mineralization.

2. Magnetics Contouring of the magnetic results show a general north south trend with a low developed in the eastern half of the area with clear increased values to the west and a similar increase to the east but with some variations. The general pattern suggests a shallow valley development in basement rocks as expressed by the low with an even slope on the western side and a somewhat incised eastern slope. It is not considered that the magnetic results show any pattern that directly relates to economic mineralization.

RADIOMETRICS

Total counts per second varied only very slightly throughout the area and no pattern could be discerned from the plotted results.

TRACK ETCH

A total of 13 (almost 7% of total) cups returned significantly high readings. These points do not lie on a specific pattern although two (low order) adjacent significant values lie on lines A, C and I. There is no coincidence of the Track Etch results and other anomalous results.

RECOMMENDATIONS

The area is considered to be worthy of limited scout drilling for sedimentary uranium at the base of the Tertiary and particularly in areas of buried drainage (ie. the Honeymoon type setting). Depths involved are likely to be in the order of 150 metres. A support grader would be needed to facilitate rig movement but generally speaking

a graded track would not be a prerequisite. The area abounds with rabbit warrens and considerable care would be needed to avoid these. The area is reasonably accessible and less remote than areas to the north and drilling costs would not be excessive.

The area gives no indication of being potential for the Roxby Downs type of deposit and it is too long a set of odds to consider investigating the calcareous Cambrian sediments for sedimentary copper without the possibility of prospective Precambrian sediments also being present.

PREVIOUS INVESTIGATIONS

Apart from widely spaced seismic lines and regional gravity the area does not appear to have been the subject of prior investigation. The Well Completion Reports by Bridget C. Youngs on Mudguard No.1 and Yalkalpo No.2 are relative to the area and gives a comprehensive coverage of previous activities in adjacent areas.

RESULTS OF DRILLING OF MUDGUARD No.1 and YALKALPO No.2

B.C. Youngs illustrates in the abovementioned Report:

1. Yalkalpo No.2 gave a strong gamma-ray signature at the base of the Tertiary (depth 77 m). No equivalent anomaly is present in Mudguard No.1 but the radiometric fluctuations throughout the hole are much greater than at Yalkalpo No.2 with this one exception.

2. The Cambrian section containing sedimentary copper in Yalkalpo No.2 is absent in Mudguard No.1, but the basement ridge of volcanics intersected at 194 metres in Mudguard could be of local significance

and drilling away from the ridge may see the reappearance of the Cambrian section referred to. The volcanics are reported to be anomalous for uranium and may be a source for sedimentary uranium in adjacent sediments.

PHYSIOGRAPHY

The entire area is covered by low anastomosing sand dunes. The dunes generally run east-west and average approximately 3m above the clay plain on which they lie. Dunes throughout the region appear to be migrating northwards with their southern approaches more gentle than the northern slopes which are also less consolidated.

SURFACE GEOLOGY

Quaternary sands and clays cover the area. For a comprehensive discussion of the geology of the region see the Report by Bridget Youngs.

ACCESS

A poorly graded track exists from a turn off from the Great Western Highway approximately 10 km west of Cockburn thence to Mulyungarie. Taking a track to the north-west from Mulyungarie (towards Frome Downs) and turn off and follow the telephone line towards Chocolate Dam. Continue to Murdos swamp and dam and thence to the north of the dam head west to pick up Mercers dam track, continue to intersect gate on boundary fence which is station E1. The Murdos swamp road is not passable after heavy rains and the alternative access is to follow the fence just south of Lemnos swamp (red gate) to the west to pick up boundary fence thence north along boundary fence to Mercers Dam gate.

No permanent surface water exists in the survey area.

SITUATION IN RESPECT TO THE HERITAGE COMMISSION

The area surveyed lies entirely within the area nominated by publication by the Commission for ultimate inclusion in the National Register. This area is more sensitive than the other areas so affected as the fossil sites are located on Billeroo Creek which runs right through the centre of the area.

RECOMMENDATIONS

The area is considered to be worthy of limited scout drilling for sedimentary uranium at the base of the Tertiary and particularly in areas of buried drainage, (ie. the Honeymoon type setting). Depths involved are likely to be in the order of 150m. A support grader would be needed to facilitate rig movement but generally speaking a graded track would not be a prerequisite. The area abounds with rabbit warrens and considerable care would be needed to avoid these. The area is reasonably accessible and less remote than areas to the north and drilling costs would not be excessive.

STATEMENT OF EXPENDITURE - EL. 385

Consultant Geological/geophysical services	$10,730
Travelling and head office overheads	985
Headoffice technical supervision	1,400
Fees and sundry expenses	312
	$13,427

Committment for EL.385/12 months	$14,000

APPENDIX

Equipment used

Warden gravity metre No.W592

McPhar M700 Fluxgate Magnetometer

Scintillometer BG1 (total counts)

Automatic levels and associated equipment

Field vehicles - 1 Ford 351 V8

2 motor cycles

1 caravan

Manpower

1 operator

1 offsider

1 cook/mechanic

EL 385

feet

000033

		READING	ELEV	CORR ELEV	CORR LAT	CORR READING	STN RPT	TIME
A	1	1447·0	200·0	0	—	141·39		0630
	2	1451·0	197·8	−·13		141·65		0645
	3	1454·0	203·2	+·19		141·97		0655
	4	1458·5 (27)	204·5	+·27		142·78		0715
	5	1457·1	202·1	+·12		142·50		0730
	6	1461·0	199·4	−·04		142·78		0745
	7	1455·5	203·1	+·19		142·51		0800
	8	1462·0	206·5	+·39		143·25		0815
	9	1459·1	205·2	+·31		142·88		0825
	10	1459·5	203·6	+·26		142·87		0840
	11	1459·0	200·1	+·0		142·56		0855
	12	1457·2	197·4	−·16		142·40		0915
	13	1458·5	204·3	+·26		142·77		0930
	14	1470·5	204·8	+·28		143·97		0945
	15	1479·4	210·2	+·61		144·17		1000
	16	1475·0	202·5	+·15		144·28		1015
B	1	1466·3	193·0	−·42	+·57 (0·5')	143·43		1420
	2	1451·0	198·5	−·69		142·26		1400
	3	1447·7	197·8	−·132		141·90		1345
	4	1454·0	200·4	+·02		142·66		1330
	5	1459·0	204·1	+·24		143·25		1315
	6	1464·1	202·0	+·12		143·74		1300
	7	1460·0	204·8	+·29		143·48		1250
	8	1459·5	207·5	+·45		143·63		1235
	9	1459·5	205·0	+·3		143·48		1220
	10	1445·0	204·8	+·29		141·95		1210
	11	1452·5	203·1	+·12		142·62		1155
	12	1468·9	206·8	+·41		143·91		1135
	13	1462·4	205·0	+·30		143·77		1120
	14	1470·5	200·1	+·0		144·26		1105
	15	1477·8	197·5	−·15		144·25		1050
	16	1471·8	198·8	−·07		144·17		1040
							14468	
							1500	
							mag 420	

EL 385

000034

		READING	ELEV	CORR ELEV	CORR LAT	CORR READING	STN RPT	TIME
C	1	1458·0	195·0	− ·3	+1·14	143·3		0800
	2	1451·5	202·4	+0·14		143·11		0815
	3	1451·5	202·9	+ ·17		143·24		0830
	4	1452·0	205·0	+ ·3		143·32		0840
	5	1438·5	200·4	+ ·02		141·72		0900
	6	1447·0	196·2	−0·23		142·30		0915
	7	1451·2	193·0	− ·42		144·79		0930
	8	1459·5	191·9	− ·48		143·27		0945
	9	1454·5	209·5	+ ·57		143·83		1000
	10	1458·0	202·0	+0·12		143·25		1015
	11	1461·5	198·4	−0·10		143·95		1030
	12	1460·5	201·9	+ ·11		143·96		1040
	13	1468·0	206·3	+ ·38		144·56		1055
	14	1471·5	208·0	+ ·48		145·40		1105
	15	1471·5	207·3	+ ·44		144·69		1115
	16	1454·5	205·0	+ ·30		143·56		1135
							1445·3 −410	0730 mag.
D	1	1444·0	206·0	+ ·36	+1·71	143·17		1645
	2	1456·5	207·5	+ ·45		142·77		1635
	3	1458·2	206·1	+ ·37		144·56		1615
	4	1446·0	202·7	+ ·16		143·16		1600
	5	1435·0	207·2	+ ·43		142·36		1540
	6	1435·5	205·0	+ ·30		142·28		1520
	7	1435·0	205·6	+ ·34		142·27		1510
	8	1442·3	210·1	+ ·61		143·24		1445
	9	1435·5	208·0	+ ·48		142·46		1430
	10	1443·5	205·9	+ ·35		143·11		1415
	11	1454·5	210·4	+ ·62		144·45		1400
	12	1454·0	206·2	+ ·37		144·16		1345
	13	1458·5	201·0	+ ·06		144·22		1330
	14	1470·0	203·5	+ ·21		143·86		1230
	15	1474·5	198·8	− ·07		144·01		1210
	16	1460·0	200·4	+ ·02		144·39		1155
							1447·6 −400	1715 mag

EL 385

000035

		READING	ELEV	CORR ELEV	CORR LAT	CORR READING	STN REPT	TIME
E	1	1459·9	198·4	− ·09	+2·28	144·84		0815
	2	1468·0	192·8	− ·43		145·29		0830
	3	1454·9	201·9	+ ·11		144·55		0845
	4	1446·0	202·5	+ ·15		143·72		0900
	5	1438·9	205·8	+ ·35		143·23		1010
	6	1444·8	200·4	+ ·02		144·74		1025
	7	1446·5	196·1	− ·23		142·93		1045
	8	1441·0	202·1	+ ·13		143·31		1100
	9	1441·0	265·0	+ ·3		143·38		1115
	10	1436·5	200·3	+ ·02		142·66		1128
	11	1441·0	198·9	− ·06		143·02		1145
	12	1445·5	196·1	− ·23		143·30		1200
	13	1451·5	193·0	− ·42		143·69		1215
	14	1455·5	197·3	− ·16		144·34		1230
	15	1457·0	201·5	+ ·09		144·74		1245
	16	1462·5	196·2	− ·23		142·68		1300
							1445·8	0730
							−400	mag
F	1	1450·0	192·8	− ·43	+2·85	144·09		1740
	2	1454·0	203·4	+ ·20		145·12		1725
	3	1447·8	198·4	− ·09		144·32		1715
	4	1441·5	202·0	+ ·12		143·34		1700
	5	1441·3	201·5	+ ·09		143·78		1640
	6	1442·5	203·0	+ ·18		143·98		1615
	7	1444·5	207·5	+ ·45		144·45		1600
	8	1441·6	213·0	+ ·18		143·84		1545
	9	1444·2	208·8	+ ·53		144·50		1530
	10	1439·0	205·2	+ ·31		143·77		1515
	11	1439·2	204·0	+ ·24		143·72		1500
	12	1439·5	206·1	+ ·37		143·88		1445
	13	1446·8	212·2	+ ·13		144·08		1430
	14	1454·2	204·2	+ ·25		145·20		1415
	15	1441·0	211·2	+ ·67		144·34		1400
	16	1449·0	200·1	0		144·44		1330
							1448·5	1810
							−400	mag

EL 385

000036

		READING	ELEV	CORR ELEV	CORR LAT	CORR READING	STN REPT	TIME.
G	1	1439·2	194·0	− ·36	+3·42	143·69		0745
	2	14·40·0	190·6	− ·56		143·57		0800
	3	14 39·2	194·8	− ·31		143·74		0815
	4	14 32·8	198·7	− ·2		143·22		0830
	5	14 38·2	201·1	+ ·06		144·12		0845
	6	14 31·5	203·1	+ ·18		143·48		0900
	7	14 35·8	200·4	+ ·02		143·74		1010
	8	14 37·0	204·0	+ ·24		144·08		1025
	9	14 37·5	203·2	+ ·20		144·08		1040
	10	14 39·0	201·6	+ ·1		144 ·13		1055
	11	14 34·8	207·5	+ ·45		144·07		1105
	12	14 27·0	201·1	+ ·06		142·92		1120
	13	14 42·5	205·8	+ ·35		144·67		1130
	14	14 59·2	198·0	+ ·48		146·48		1145
	15	14 43·5	201·0	+ ·06		144·52		1158
	16	14 54·8	196·9	− ·18		146·11		1235
							1447·0	0700
							−410	may
H	1	14230	205·9	+ ·35	+ 3·99	143 38		1645
	2	1431·9	201·4	+ ·08		143·98		1630
	3	1439·9	195·8	+ ·25		145·44		1615
	4	1428·2	203·0	+ ·18		143·73		1600
	5	1426·0	208·5	+ ·5		143 83		1545
	6	1426·5	210·7	+ ·64		144·02		1530
	7	1434·5	205·0	+ ·3		144· 46		1515
	8	14 34·5	202·1	+ ·13		144·29		1455
	9	1437·0	197·4	− ·16		144 ·24		1440
	10	1437·2	200·8	+ ·05		144·27		1420
	11	1446·5	203·6	+ ·26		145·57		1405
	12	1462·0	202·1	+ ·13		146· 98		1350
	13	14 58·2	205·4	+ ·32		146 ·80		1330
	14	14 53·5	204·5	+ ·27		1 46· 29		1315
	15	14 50·5	2004	+ ·02		145·74		1300
	16	14444	2030	+ ·18		145·31		1250
							1447·8	1800
							−400	may

EL 385

000037

		READING	ELEV	CORR ELEV	CORR LAT	CORR READING	STN REPT	TIME
I	1	1429.0	212.2	+ .75	+4.56	144.95		0730
	2	1427.5	214.8	+ .89		144.94		0745
	3	1423.5	206.0	+ .36		143.42		0800
	4	1423.8	214.3	+ .86		143.74		0815
	5	1427.8	213.9	+ .83		144.70		0830
	6	1421.0	225.0	+1.5		145.51		0845
	7	1427.0	211.6	+ .7		144.70		0900
	8	1427.2	210.1	+ .6		144.62		0915
	9	1427.5	209.2	+ .55		144.60		0930
	10	1430.0	208.0	+ .48		144.77		0945
	11	1441.2	220.3	+1.2		145.98		1000
	12	1445.2	205.8	+ .34		146.11		1015
	13	1433.7	211.9	+ .71		144.37		1030
	14	1434.0	210.6	+ .63		145.32		1045
	15	1440.7	207.2	+ .43		145.77		1055
	16	1457.2	205.1	+ .3		147.25		1110
							1408.0	0645
							−.410	mag.
J	1	1436.2	204.0	+ .24	+5.13	145.71		1610
	2	1433.2	203.5	+ .21		145.37		1550
	3	1422.0	218.1	+1.08		144.68		1540
	4	1423.5	215.4	+ .92		144.82		1520
	5	1423.3	205.0	+ .3		144.50		1500
	6	1422.0	202.4	+ .14		144.20		1445
	7	1422.0	201.1	+ .06		144.31		1430
	8	1419.8	215.5	+ .93		145.39		1415
	9	1420.0	206.0	+ .36		144.97		1400
	10	1424.0	203.9	+ .23		144.50		1345
	11	1436.0	210.2	+ .61		146.65		1325
	12	1430.5	203.0	+ .18		144.99		1310
	13	1411.3	208.1	+ .48		143.12		1255
	14	1411.0	209.0	+ .54		143.05		1245
	15	1420.9	208.7	+ .52		144.49		1230
	16	1421.5	210.3	+ .01		144.04		1210
							14463	1700
							−420	mag

EL 385

000038

		READING	ELEV	CORR ELEV	CORR LAT	CORR READING	SIN REPT	TIME
K	1	1440.5	206.4	+ .50	+5.70	14636		0800
	2	14 35.8	215.0	+0.90		146.80		0810
	3	14 18.0	225.2	+1.50		145.76		0825
	4	14 17.5	214.5	+0.87		145.08		0840
	5	14 21.0	200.0	0		144.55		0850
	6	14 21.3	219.6	+1.17		145.75		0910
	7	14 13.0	217.0	+1.02		144.79		0920
	8	14 11.3	221.1	+1.26		144.86		0940
	9	14 21.3	216.1	+0.96		144.94		0955
	10	14 20.0	217.8	+1.06		145.52		1015
	11	14 19.9	207.5	.45		144.98		1030
	12	14 19.0	218.0	+1.08		145.44		1045
	13	14 14.7	220.3	+1.21		145.15		1055
	14	14 21.3	218.0	+1.08		145.66		1105
	15	14 17.5	221.1	+1.26		145.42		1120
	16	14 23.8	208.0	+0.48		145.31		1140
							1446.3	0700
							−400	mag
L	1	14 22.0	226.8	+1.61	+6.27	146.83		1640
	2	14 13.8	223.1	+1.38		145.80		1620
	3	14 18.0	219.9	+1.20		146.03		1600
	4	14 18.5	218.4	+1.10		145.98		1545
	5	14 14.3	213.8	+0.83		145.78		1530
	6	14 12.8	212.6	+ .76		145.08		1520
	7	14 08.2	224.2	+1.44		145.31		1510
	8	1401.0	217.0	+1.02		144.19		1450
	9	14 15.0	218.1	+1.08		145.62		1430
	10	14 21.2	214.0	+0.84		145.98		1415
	11	14 21.5	216.2	+ .97		145.94		1400
	12	14 22.0	212.8	+ .77		145.99		1345
	13	14 23.5	211.6	+ .70		146.07		1325
	14	14 18.3	213.1	+ .79		145.65		1310
	15	14 18.0	214.0	+ .84		145.67		1300
	16	14 21.0	211.9	+ .71		145.83		1200
							1446.0	1730
							−390	mag.

GEOLOGICAL RESOURCES EL 385 1-22-79

TRACK ETCH SURVEY RESULTS AND STATISTICS

VALUES GIVEN IN T/SQ. MM. NORMALIZED TO 30 DAY EXPOSURE

NO. USEFUL PTS. : 192

HIGH (T/SQ. MM.): 19.3

LOW (T/SQ. MM.): 1.0

BACKGROUND MEAN (T/SQ. MM.): 5.5

STD. DEVIATION OF BKG. MEAN (T/SQ. MM.): 2.6

RELATIVE STD. DEVIATION (PERCENT): 47.2

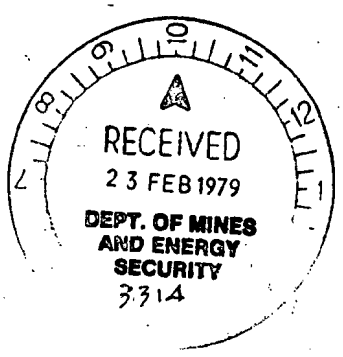
HIGH RANKING POINTS

RANGE OF Z	NO. OF PTS.	RANGE OF T	RANGE OF RATIO TO BACKGROUND
2 - 3	8	11.6 - 12.6	2.1 - 2.3
3 - 4	3	14.5 - 15.5	2.6 - 2.8
4 - 5	1	17.4 - 17.4	3.2 - 3.2
OVER 5	1	19.3 - 19.3	3.5 - 3.5

NO. OF PTS. ABOVE Z = 3: 5

PERCENT OF TOTAL PTS. : 2.6

(Z IS THE NUMBER OF STD. DEVIATIONS ABOVE BKG. MEAN)



GEOLOGICAL RESOURCES EL 385 1-22-79

CUP SERIAL NUMBER	DETECTOR READING (T/SQ. MM.)	FIELD NOTES AND DATA
94727.	4.8	2000 -420 14470 13 A 1
94728.	19.3	1978 -460 14510 14 A 2
94729.	3.9	2032 -500 14540 16 A 3
94730.	8.7	2045 -550 14585 14 A 4
94731.	3.9	2021 -565 14571 15 A 5
94732.	4.8	1994 -575 14610 15 A 6
94733.	5.8	2031 -490 14555 16 A 7
94734.	9.7	2065 -500 14620 15 A 8
94735.	3.9	2052 -490 14591 16 A 9
94736.	11.6	2036 -400 14595 16 A10
94737.	11.6	2001 -320 14590 16 A11
94738.	3.9	1974 -125 14572 15 A12
94739.	3.9	2043 -075 14585 16 A13
94740.	3.9	2048 -075 14705 15 A14
94741.	4.8	2102 +040 14794 16 A15
94742.	3.9	2025 +130 14750 15 A16
94743.	3.9	1988 +310 14718 13 B16
94744.	8.7	1975 +090 14778 15 B15
94745.	9.7	2001 +005 14705 13 B14
94746.	3.9	2050 -140 14624 15 B13
94747.	10.6	2068 -120 14689 16 B12
94748.	2.9	2031 -230 14525 16 B11
94749.	1.9	2048 -350 14450 14 B10
94750.	2.9	2050 -320 14595 15 B 9
94751.	4.8	2075 -350 14595 16 B 8
94752.	4.8	2048 -480 14600 17 B 7
94753.	7.7	2020 -475 14641 16 B 6
94754.	2.9	2041 -370 14590 16 B 5
94755.	1.9	2004 -450 14540 16 B 4
94756.	4.8	1978 -390 14477 16 B 3
94757.	3.9	1985 -350 14510 15 B 2
94758.	7.7	1930 -350 14663 16 B 1
94759.	5.8	1950 -320 14580 15 C 1
94760.	10.6	2024 -220 14515 16 C 2
94761.	11.6	2029 -350 14515 18 C 3
94762.	11.6	2050 -350 14520 18 C 4
94763.	9.7	2004 -360 14385 16 C 5
94764.	4.8	1962 -275 14470 16 C 6
94765.	4.8	1930 -300 14572 15 C 7
94766.	11.6	1919 -330 14595 16 C 8
94767.	2.9	2095 -200 14545 18 C 9
94768.	5.8	2020 -150 14580 16 C10
94769.	4.8	1984 -125 14615 16 C11
94770.	5.8	2019 -200 14605 16 C12
94771.	2.9	2063 -200 14680 16 C13
94772.	3.9	2080 -010 14715 16 C14
94773.	3.9	2077 -050 14710 16 C15
94774.	2.9	2050 +100 14545 16 C16

GEOLOGICAL RESOURCES EL 385 1-22-79

CUP SERIAL NUMBER	DETECTOR READING (T/SQ. MM.)	FIELD NOTES AND DATA
94775.	1.9	2004 +025 14600 17 D16
94776.	5.8	1988 +050 14745 16 D15
94777.	4.8	2035 -010 14700 16 D14
94778.	4.8	2010 -075 14585 16 D13
94779.	5.8	2062 -050 14540 15 D12
94780.	4.8	2104 -050 14545 14 D11
94781.	4.8	2059 -000 14435 13 D10
94782.	1.9	2080 -150 14355 14 D 9
94783.	1.0	2101 -250 14412 16 D 8
94784.	3.9	2056 -275 14350 15 D 7
94785.	2.9	2050 -275 14355 16 D 6
94786.	4.8	2072 -275 14350 16 D 5
94787.	5.8	2027 -300 14460 15 D 4
94788.	1.9	2061 -250 14582 16 D 3
94789.	6.8	2075 -350 14565 14 D 2
94790.	2.9	2060 -160 14440 14 D 1
94791.	2.9	1984 -275 14599 14 E 1
94792.	3.9	1928 -300 14680 13 E 2
94793.	7.7	2019 -250 14549 14 E 3
94794.	4.8	2025 -490 14460 14 E 4
94795.	1.9	2068 -425 14389 15 E 5
94796.	5.8	2004 -400 14440 15 E 6
94797.	3.9	1961 -400 14465 15 E 7
94798.	6.8	2021 -300 14410 14 E 8
94799.	1.9	2050 -300 14410 14 E 9
94800.	3.9	2003 -300 14365 15 E10
94801.	4.8	1989 -225 14410 15 E11
94802.	2.9	1961 -180 14455 14 E12
94803.	2.9	1930 -125 14515 14 E13
94804.	3.9	1973 -100 14555 14 E14
94805.	1.9	2015 +015 14570 15 E15
94806.	4.8	1962 +100 14625 14 E16
94807.	7.0	2001 +100 14490 15 F16
94808.	3.0	2112 -100 14410 14 F15
94809.	9.0	2042 -025 14547 17 F14
94810.	6.0	2122 -100 14468 13 F13
94811.	3.0	2061 -025 14395 14 F12
94812.	2.0	2040 -220 14392 17 F11
94813.	3.0	2052 -250 14390 14 F10
94814.	5.0	2088 -340 14442 15 F 9
94815.	4.0	2130 -525 14410 15 F 8
94816.	8.0	2075 -460 14445 14 F 7
94817.	7.0	2030 -350 14425 15 F 6
94818.	4.0	2015 -350 14413 15 F 5
94819.	4.0	2020 -300 14415 15 F 4
94820.	5.0	1984 -225 14478 17 F 3
94821.	5.0	2034 -175 14540 16 F 2
94822.	4.0	1928 -200 14500 14 F 1
94823.	5.0	1940 -200 14392 14 G 1
94824.	5.0	1906 -300 14400 17 G 2

GEOLOGICAL RESOURCES EL 385 1-22-79

CUP SERIAL NUMBER	DETECTOR READING (T/SQ. MM.)	FIELD NOTES AND DATA
94825.	4.0	1948 -600 14392 15 G 3
94826.	5.0	1987 -710 14328 16 G 4
94827.	1.9	2011 -880 14382 15 G 5
94828.	3.9	2031 -127514315 16 G 6
94829.	7.7	2004 -500 14358 15 G 7
94830.	3.9	2044 -825 14370 16 G 8
94831.	2.9	2032 -400 14375 16 G 9
94832.	3.9	2016 -375 14390 13 G10
94833.	2.9	2075 -350 14348 15 G11
94834.	2.9	2011 -200 14270 16 G12
94835.	6.8	2058 -150 14423 15 G13
94836.	1.9	1980 -005 14592 16 G14
94837.	2.9	2010 -060 14435 15 G15
94838.	7.7	1969 -050 14548 15 G16
94839.	7.7	2030 +025 14444 15 H16
94840.	2.9	2004 -060 14505 14 H15
94841.	8.7	2045 -060 14535 16 H14
94842.	4.8	2054 -100 14582 16 H13
94843.	5.8	2021 -220 14620 16 H12
94844.	7.7	2036 -250 14465 19 H11
94845.	10.6	2008 -300 14372 14 H10
94846.	8.7	1974 -520 14370 15 H 9
94847.	14.5	2021 -450 14345 16 H 8
94848.	2.9	2050 -475 14345 16 H 7
94849.	3.9	2107 -550 14265 15 H 6
94850.	9.7	2085 -665 14260 15 H 5
94851.	5.8	2030 -625 14282 16 H 4
94852.	14.5	1958 -600 14599 14 H 3
94853.	4.8	2014 -560 14319 14 H 2
94854.	7.7	2059 -490 14230 15 H 1
94855.	7.7	2122 -650 14290 15 I 1
94856.	7.7	2148 -580 14275 16 I 2
94857.	3.9	2060 -500 14235 15 I 3
94858.	4.8	2143 -620 14238 15 I 4
94859.	6.8	2139 -600 14278 14 I 5
94860.	7.7	2150 -600 14210 14 I 6
94861.	7.7	2116 -550 14270 17 I 7
94862.	6.8	2101 -475 14272 15 I 8
94863.	1.9	2092 -325 14275 15 I 9
94864.	3.9	2080 -320 14300 16 I10
94865.	3.9	2203 -250 14412 18 I11
94866.	6.8	2058 -200 14452 15 I12
94867.	17.4	2119 -175 14337 14 I13
94868.	15.5	2106 -150 14340 16 I14
94869.	9.7	2092 -025 14407 15 I15
94870.	12.6	2051 -070 14572 13 I16
94871.	4.8	2103 -100 14215 14 J16
94872.	6.8	2087 -120 14209 16 J15
94873.	8.7	2090 -100 14110 14 J14
94874.	6.8	2081 -100 14113 14 J13

GEOLOGICAL RESOURCES EL 385 1-22-79

CUP SERIAL NUMBER	DETECTOR READING (T/SQ. MM.)	FIELD NOTES AND DATA				
94875.	3.9	2030	-150	14305	14	J12
94876.	11.6	2102	-250	14360	14	J11
94877.	11.6	2039	-250	14240	17	J10
94878.	6.8	2060	-300	14200	14	J 9
94879.	7.7	2155	-330	14188	15	J 8
94880.	10.6	2011	-370	14220	15	J 7
94881.	2.9	2024	-125	14220	14	J 6
94882.	7.7	2050	-650	14233	14	J 5
94883.	5.8	2154	-530	14235	14	J 4
94884.	4.8	2181	-500	14220	14	J 3
94885.	2.9	2035	-520	14332	16	J 2
94886.	7.7	2040	-500	14362	16	J 1
94887.	8.7	2084	-420	14405	15	K 1
94888.	4.3	2218	-700	14220	15	L 1
94889.	5.2	2231	-750	14138	17	L 2
94890.	7.0	2199	-820	14180	16	L 3
94891.	7.8	2184	-750	14185	16	L 4
94892.	4.3	2138	-900	14193	15	L 5
94893.	7.0	2126	-620	14128	13	L 6
94894.	1.7	2742	-500	14082	14	L 7
94895.	6.1	2170	-450	14010	13	L 8
94896.	7.0	2181	-340	14150	13	L 9
94897.	4.3	2140	-300	14212	14	L10
94898.	5.2	2162	-210	14215	14	L11
94899.	5.2	2128	-120	14220	16	L12
94900.	8.7	2116	-220	14235	14	L13
94901.	8.7	2131	-100	14183	14	L14
94902.	1.7	2140	-150	14180	14	L15
94903.	3.5	2119	-070	14210	14	L16
94904.	5.2	2080	-030	14238	16	K16
94905.	4.3	2211	-025	14175	16	K15
94906.	2.6	2180	-100	14213	15	K14
94907.	2.6	2203	-200	14147	14	K13
94908.	3.5	2180	-200	14190	14	K12
94909.	4.3	2075	-200	14199	14	K11
94910.	9.6	2178	-310	14200	13	K10
94911.	5.2	2161	-400	14213	14	K 9
94912.	3.5	2211	-430	14113	14	K 8
94913.	8.7	2170	-750	14130	18	K 7
94914.	4.3	2196	-105	14213	15	K 6
94915.	3.5	2000	-750	14210	14	K 5
94916.	5.2	2145	-550	14175	13	K 4
94917.	6.1	2252	-520	14180	15	K 3
94918.	10.4	2150	-550	14358	13	K 2

GEOLOGICAL RESOURCES EL 385[illegible] 1-22-79

DETECTOR READING (T/SQ. MM.)	CUP SERIAL NUMBER	FIELD NOTES AND DATA				
1.0	94783.	2101	-250	14412	16	D 8
1.7	94894.	2742	-500	14082	14	L 7
1.7	94902.	2140	-150	14180	14	L15
1.9	94749.	2048	-350	14450	14	B10
1.9	94795.	2068	-425	14389	15	E 5
1.9	94836.	1980	-005	14592	16	G14
1.9	94805.	2015	+015	14570	15	E15
1.9	94788.	2061	-250	14582	16	D 3
1.9	94775.	2004	+025	14600	17	D16
1.9	94782.	2080	-150	14355	14	D 9
1.9	94755.	2004	-450	14540	16	B 4
1.9	94863.	2092	-325	14275	15	I 9
1.9	94827.	2011	-880	14382	15	G 5
1.9	94799.	2050	-300	14410	14	E 9
2.0	94812.	2040	-220	14392	17	F11
2.6	94906.	2180	-100	14213	15	K14
2.6	94907.	2203	-200	14147	14	K13
2.9	94840.	2004	-060	14505	14	H15
2.9	94848.	2050	-475	14345	16	H 7
2.9	94802.	1961	-180	14455	14	E12
2.9	94833.	2075	-350	14348	15	G11
2.9	94748.	2031	-230	14525	16	B11
2.9	94881.	2024	-125	14220	14	J 6
2.9	94754.	2041	-370	14590	16	B 5
2.9	94785.	2050	-275	14355	16	D 6
2.9	94834.	2011	-200	14270	16	G12
2.9	94885.	2035	-520	14332	16	J 2
2.9	94790.	2060	-160	14440	14	D 1
2.9	94837.	2010	-060	14435	15	G15
2.9	94750.	2050	-320	14595	15	B 9
2.9	94791.	1984	-275	14599	14	E 1
2.9	94774.	2050	+100	14545	16	C16
2.9	94803.	1930	-125	14515	14	E13
2.9	94767.	2095	-200	14545	18	C 9
2.9	94771.	2063	-200	14680	16	C13
2.9	94831.	2032	-400	14375	16	G 9
3.0	94808.	2112	-100	14410	14	F15
3.0	94813.	2052	-250	14390	14	F10
3.0	94811.	2061	-025	14395	14	F12
3.5	94912.	2211	-430	14113	14	K 8
3.5	94908.	2180	-200	14190	14	K12
3.5	94903.	2119	-070	14210	14	L16
3.5	94915.	2000	-750	14210	14	K 5
3.9	94792.	1928	-300	14680	13	E 2
3.9	94864.	2080	-320	14300	16	I10
3.9	94746.	2050	-140	14624	15	B13
3.9	94740.	2048	-075	14705	15	A14
3.9	94738.	1974	-125	14572	15	A12

GEOLOGICAL RESOURCES EL 385 1-22-79

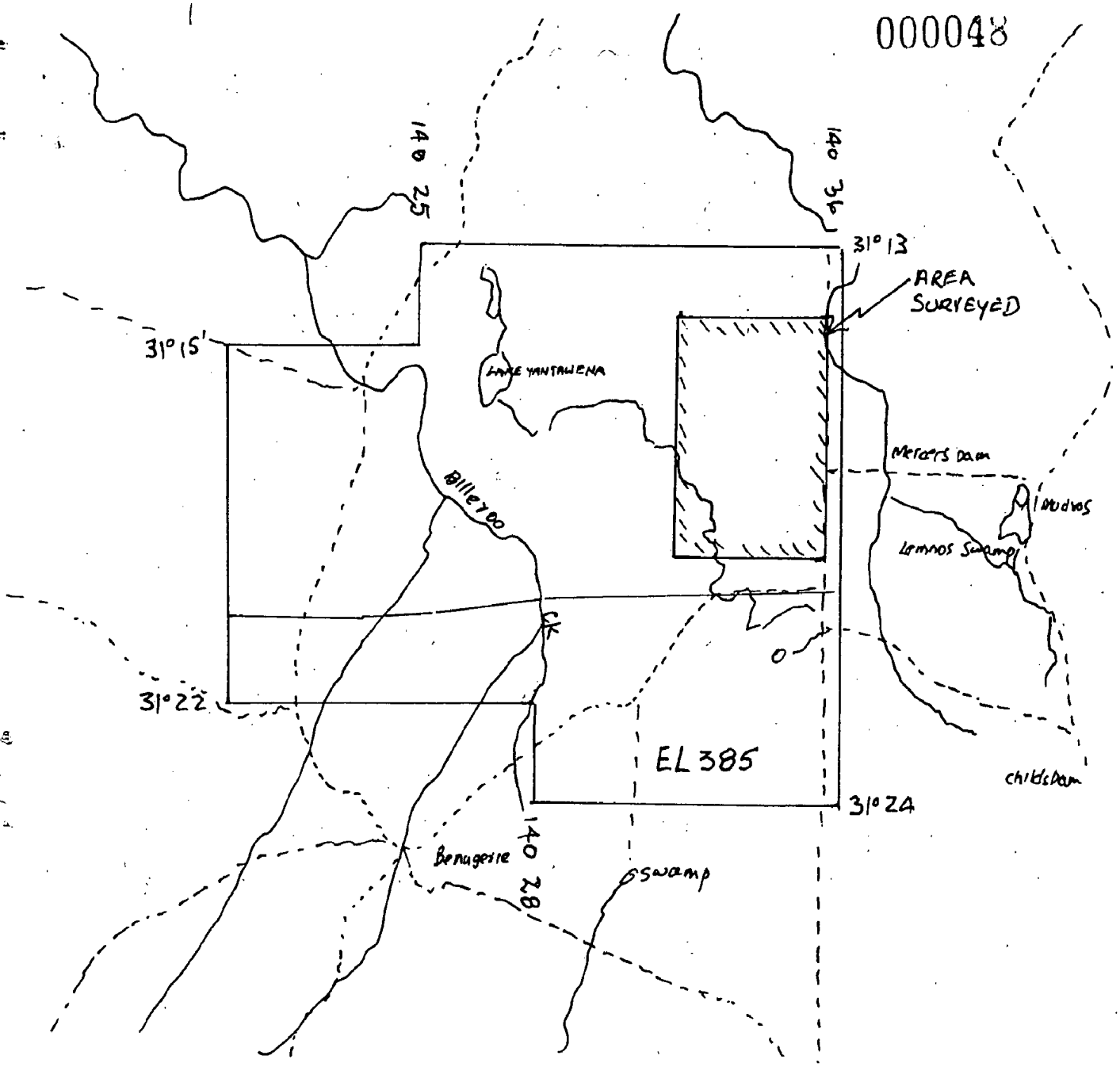
DETECTOR READING (T/SQ. MM.)	CUP SERIAL NUMBER	FIELD NOTES AND DATA
3.9	94729.	2032 -500 14540 16 A 3
3.9	94832.	2016 -375 14390 13 G10
3.9	94857.	2060 -500 14235 15 I 3
3.9	94830.	2044 -825 14370 16 G 8
3.9	94865.	2203 -250 14412 18 I11
3.9	94828.	2031 -127514315 16 G 6
3.9	94797.	1961 -400 14465 15 E 7
3.9	94742.	2025 +130 14750 15 A16
3.9	94849.	2107 -550 14265 15 H 6
3.9	94800.	2003 -300 14365 15 E10
3.9	94757.	1985 -350 14510 15 B 2
3.9	94804.	1973 -100 14555 14 E14
3.9	94773.	2077 -050 14710 16 C15
3.9	94784.	2056 -275 14350 15 D 7
3.9	94743.	1988 +310 14718 13 B16
3.9	94772.	2080 -010 14715 16 C14
3.9	94731.	2021 -565 14571 15 A 5
3.9	94735.	2052 -490 14591 16 A 9
3.9	94739.	2043 -075 14585 16 A13
3.9	94875.	2030 -150 14305 14 J12
4.0	94818.	2015 -350 14413 15 F 5
4.0	94822.	1928 -200 14500 14 F 1
4.0	94825.	1948 -600 14392 15 G 3
4.0	94815.	2130 -525 14410 15 F 8
4.0	94819.	2020 -300 14415 15 F 4
4.3	94914.	2196 -105014213 15 K 6
4.3	94888.	2218 -700 14220 15 L 1
4.3	94892.	2138 -900 14193 15 L 5
4.3	94905.	2211 -025 14175 16 K15
4.3	94909.	2075 -200 14199 14 K11
4.3	94897.	2140 -300 14212 14 L10
4.8	94858.	2143 -620 14238 15 I 4
4.8	94794.	2025 -490 14460 14 E 4
4.8	94806.	1962 +100 14625 14 E16
4.8	94752.	2048 -480 14600 17 B 7
4.8	94842.	2054 -100 14582 16 H13
4.8	94765.	1930 -300 14572 15 C 7
4.8	94732.	1994 -575 14610 15 A 6
4.8	94777.	2035 -010 14700 16 D14
4.8	94778.	2010 -075 14585 16 D13
4.8	94781.	2059 -000 14435 13 D10
4.8	94756.	1978 -390 14477 16 B 3
4.8	94801.	1989 -225 14410 15 E11
4.8	94786.	2072 -275 14350 16 D 5
4.8	94727.	2000 -420 14470 13 A 1
4.8	94764.	1962 -275 14470 16 C 6
4.8	94853.	2014 -560 14319 14 H 2
4.8	94884.	2181 -500 14220 14 J 3
4.8	94871.	2103 -100 14215 14 J16
4.8	94780.	2104 -050 14545 14 D11

GEOLOGICAL RESOURCES EL 385 1-22-79

DETECTOR READING (T/SQ. MM.)	CUP SERIAL NUMBER	FIELD NOTES AND DATA				
4.8	94769.	1984	-125	14615	16	C11
4.8	94751.	2075	-350	14595	16	B 8
4.8	94741.	2102	+040	14794	16	A15
5.0	94814.	2088	-340	14442	15	F 9
5.0	94826.	1987	-710	14328	16	G 4
5.0	94824.	1906	-300	14400	17	G 2
5.0	94823.	1940	-200	14392	14	G 1
5.0	94820.	1984	-225	14478	17	F 3
5.0	94821.	2034	-175	14540	16	F 2
5.2	94898.	2162	-210	14215	14	L11
5.2	94899.	2128	-120	14220	16	L12
5.2	94904.	2080	-030	14238	16	K16
5.2	94889.	2231	-750	14138	17	L 2
5.2	94916.	2145	-550	14175	13	K 4
5.2	94911.	2161	-400	14213	14	K 9
5.8	94770.	2019	-200	14605	16	C12
5.8	94733.	2031	-490	14555	16	A 7
5.8	94776.	1988	+050	14745	16	D15
5.8	94843.	2021	-220	14620	16	H12
5.8	94768.	2020	-150	14580	16	C10
5.8	94779.	2062	-050	14540	15	D12
5.8	94796.	2004	-400	14440	15	E 6
5.8	94851.	2030	-625	14282	16	H 4
5.8	94759.	1950	-320	14580	15	C 1
5.8	94883.	2154	-530	14235	14	J 4
5.8	94787.	2027	-300	14460	15	D 4
6.0	94810.	2122	-100	14468	13	F13
6.1	94917.	2252	-520	14180	15	K 3
6.1	94895.	2170	-450	14010	13	L 8
6.8	94862.	2101	-475	14272	15	I 8
6.8	94798.	2021	-300	14410	14	E 8
6.8	94878.	2060	-300	14200	14	J 9
6.8	94874.	2081	-100	14113	14	J13
6.8	94866.	2058	-200	14452	15	I12
6.8	94789.	2075	-350	14565	14	D 2
6.8	94872.	2087	-120	14209	16	J15
6.8	94859.	2139	-600	14278	14	I 5
6.8	94835.	2058	-150	14423	15	G13
7.0	94890.	2199	-820	14180	16	L 3
7.0	94896.	2181	-340	14150	13	L 9
7.0	94893.	2126	-620	14128	13	L 6
7.0	94817.	2030	-350	14425	15	F 6
7.0	94807.	2001	+100	14490	15	F16
7.7	94758.	1930	-350	14663	16	B 1
7.7	94856.	2148	-580	14275	16	I 2
7.7	94854.	2059	-490	14230	15	H 1
7.7	94793.	2019	-250	14549	14	E 3
7.7	94844.	2036	-250	14465	19	H11
7.7	94753.	2020	-475	14641	16	B 6
7.7	94838.	1969	-050	14548	15	G16

GEOLOGICAL RESOURCES EL 385 1-22-79

DETECTOR READING (T/SQ. MM.)	CUP SERIAL NUMBER	FIELD NOTES AND DATA				
7.7	94861.	2116	-550	14270	17	I 7
7.7	94860.	2150	-600	14210	14	I 6
7.7	94829.	2004	-500	14358	15	G 7
7.7	94886.	2040	-500	14362	16	J 1
7.7	94855.	2122	-650	14290	15	I 1
7.7	94882.	2050	-650	14233	14	J 5
7.7	94839.	2030	+025	14444	15	H16
7.7	94879.	2155	-330	14188	15	J 8
7.8	94891.	2184	-750	14185	16	L 4
8.0	94816.	2075	-460	14445	14	F 7
8.7	94744.	1975	+090	14778	15	B15
8.7	94846.	1974	-520	14370	15	H 9
8.7	94873.	2090	-100	14110	14	J14
8.7	94900.	2116	-220	14235	14	L13
8.7	94841.	2045	-060	14535	16	H14
8.7	94730.	2045	-550	14585	14	A 4
8.7	94913.	2170	-750	14130	18	K 7
8.7	94901.	2131	-100	14183	14	L14
8.7	94887.	2084	-420	14405	15	K 1
9.0	94809.	2042	-025	14547	17	F14
9.6	94910.	2178	-310	14200	13	K10
9.7	94734.	2065	-500	14620	15	A 8
9.7	94850.	2085	-665	14260	15	H 5
9.7	94745.	2001	+005	14705	13	B14
9.7	94869.	2092	-025	14407	15	I15
9.7	94763.	2004	-360	14385	16	C 5
10.4	94918.	2150	-550	14358	13	K 2
10.6	94760.	2024	-220	14515	16	C 2
10.6	94880.	2011	-370	14220	15	J 7
10.6	94845.	2008	-300	14372	14	H10
10.6	94747.	2068	-120	14689	16	B12
11.6	94876.	2102	-250	14360	14	J11
11.6	94736.	2036	-400	14595	16	A10
11.6	94766.	1919	-330	14595	16	C 8
11.6	94761.	2029	-350	14515	18	C 3
11.6	94762.	2050	-350	14520	18	C 4
11.6	94737.	2001	-320	14590	16	A11
11.6	94877.	2039	-250	14240	17	J10
12.6	94870.	2051	-070	14572	13	I16
14.5	94852.	1958	-600	14599	14	H 3
14.5	94847.	2021	-450	14345	16	H 8
15.5	94868.	2106	-150	14340	16	I14
17.4	94867.	2119	-175	14337	14	I13
19.3	94728.	1978	-460	14510	14	A 2



PART CURNAMONA 1:250 000 Sheet.

EL 385

LOCALITY PLAN

JANUARY 1979

OILMIN N.L.
PETROMIN N.L.
TRANSOIL N.L.

P.O. Box 232,
BRISBANE, NORTH QUAY, 4000

000049

15th April, 1979

Director General,
Department of Mines and Energy,
P.O. Box 151,
EASTWOOD, S.A. 5063

Dear Sir,

EXPLORATION LICENCES 384, 385 and 386

5th and Final Quarterly Report.

The above Exploration Licences are due to terminate on 25th April 1979.

The present Licence holders hereby advise that they do not intend to apply for an extension in respect to these licence Areas.

Activities

Fourth Quarterly Reports with expenditure statements were submitted in January 1979 which outlined the various activities that had been carried out on the areas.

Office studies and consideration of results have resulted in the decision not to proceed with further exploration of these Licence Areas. No further field work was carried out in the 5th Quarter.

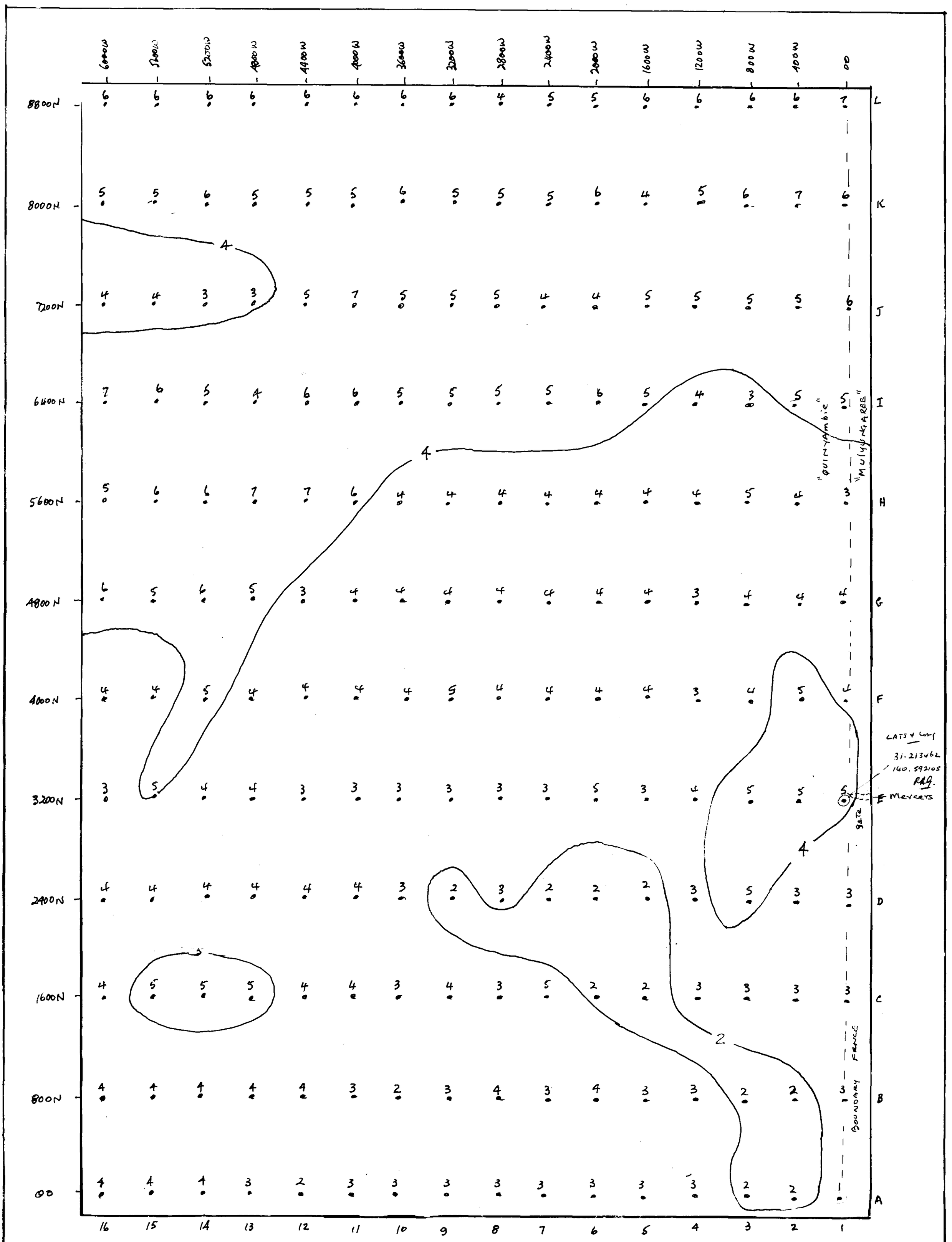
Financial Statement for the 5th Quarter.

Only nominal expenditure was incurred during the period and figures supplied in January are still effective to date.

We thank you for the help received in these Areas by your Department.

Yours faithfully,

C.W. SILLER
Chairman of Directors
OILMIN N.L., PETROMIN N.L.
and TRANSOIL N.L.



GRAVITY SURVEY E.L.385 S.A.

milligal values relative to A1

scale 1:20000 0 400 800 1200 1600 metres; 0 1/4 1/2 3/4 1 mile

DECEMBER 1978

ENV 3314-1

SURVEY BY R HAYNES

MAGNETIC SURVEY E.L. 385 S.A.

vertical field values relative to base stn A1

scale 1 : 20000 0 400 800 1200 1600 meters; 0 1/4 1/2 3/4 1 miles

DECEMBER 1978

EM 3314-2

RADIOMETRIC SURVEY E.L. 385 S.A.

total counts-per-second relative to A1

scale 1 : 20000

0 400 800 1200 1600 meters
0 1/4 1/2 3/4 1 mile

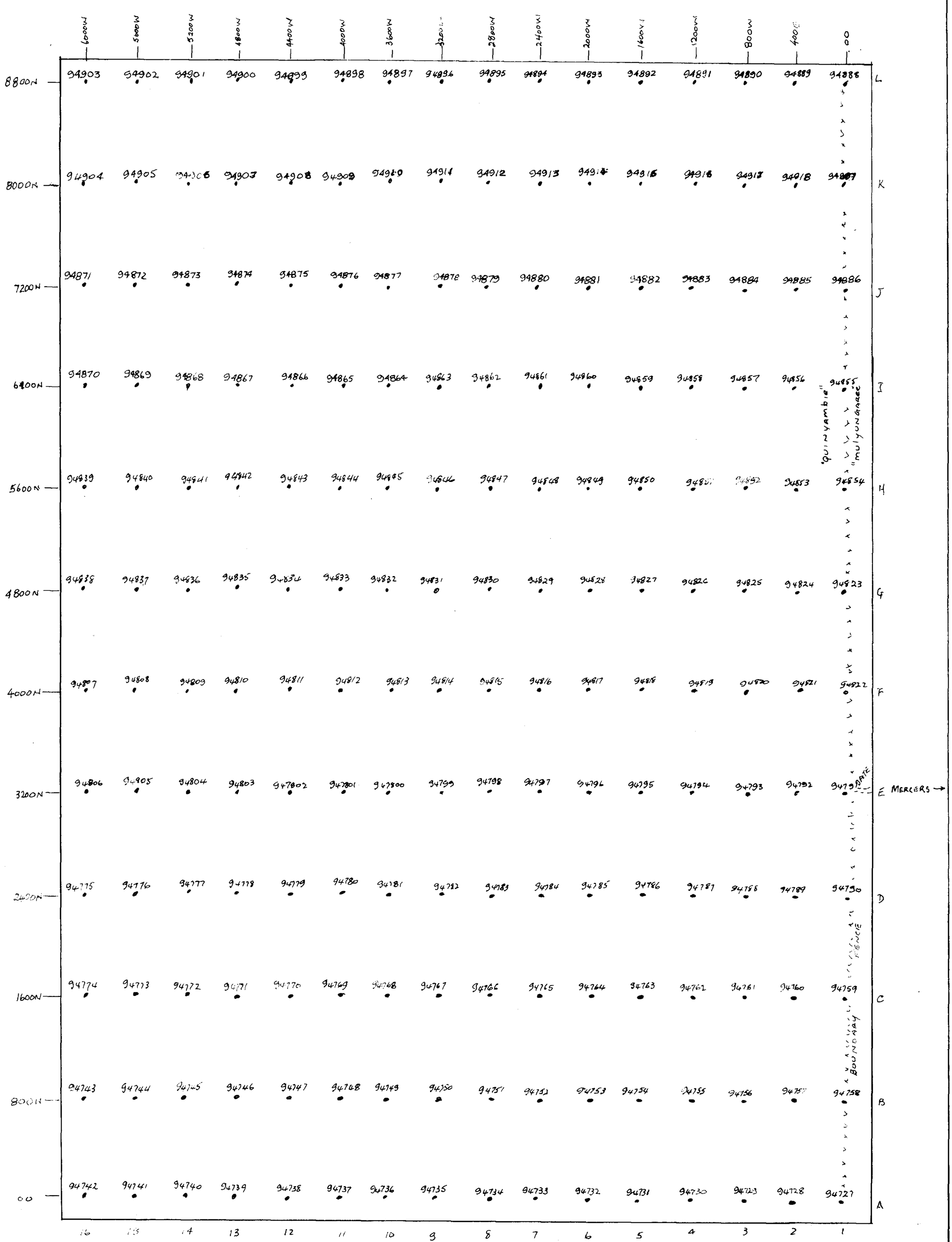
DECEMBER 1978

ENV 3314-3

SURVEY BY R. HAYNES

TRACK ETCH SURVEY E.L.385 S.A.

cup locations



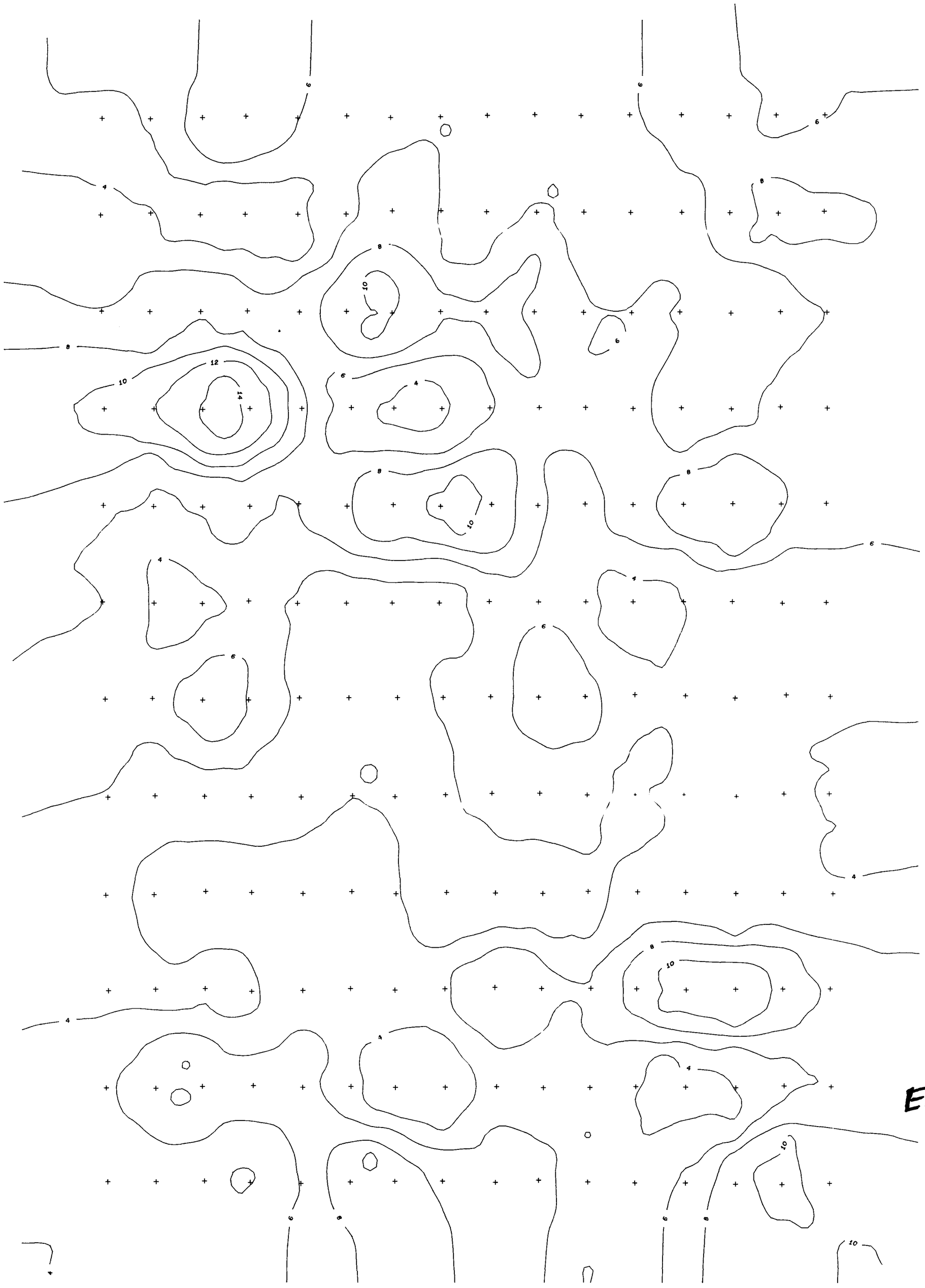
scale 1:20000

0 400 800 1200 1600 metres
0 1/4 1/2 3/4 1 mile

3314-4

DECEMBER 1978

SURVEY BY R HAYNES



ENV3314-5

TRACK ETCH® RADON CONTOUR MAP

PREPARED FOR - GEOLOGICAL RESOURCES
PROJECT NAME - EL 385

POINTS SMOOTHED - - - - - - 6
EXTRAPOLATION DISTANCE- - - 2.00
CONTOUR INTERVAL- - - - - - 2
BACKGROUND VALUE- - - - - - 5.5
STANDARD DEVIATION- - - - - 2.6
SCALE - - - - - - - - - 1 TO ~~2000~~ 20000
DATE - 1 23 79

PREPARED BY TERRADEX CORPORATION
1900 OLYMPIC BLVD. WALNUT CREEK CA