

URANERZ AUSTRALIA PTY. LTD.

KST:YTS

20 November, 1981.

ANNUAL REPORT

ON

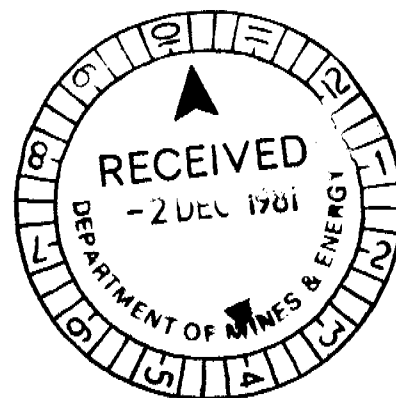
EXPLORATION LICENCE NO'S. 1353 AND 1354

NAPPERBY AREA,

NORTHERN TERRITORY

Covering the Period

2 November 1980 - 1 November 1981



PERTH

NOVEMBER 1981.

SUMMARY:

The tenements cover the sub-economic calcrete-type uranium deposit at New Well Prospect. No field work was carried out during the fifth year of tenure, but a re-evaluation of the deposit, including 1000 m of rotary air blast drilling is planned for the sixth year.

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LIST OF FIGURES:

FIGURE 1 : EL's 1353 and 1354.

FIGURE 2 : New Well Prospect.

1. INTRODUCTION:

Exploration Licences 1353 and 1354 were granted to Uranerz Australia Pty. Ltd. (UAL) on 2 November 1976. They were renewed for a fourth year of tenure expiring 1 November 1980 with areas of 58.52 square miles (151.58 km²) and 40.21 square miles (102.60 km²) respectively. Renewal applications have been submitted for the sixth year of tenure. This report details work carried out during the fifth year of operations.

2. LOCATION:

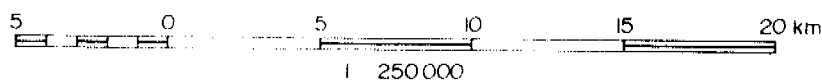
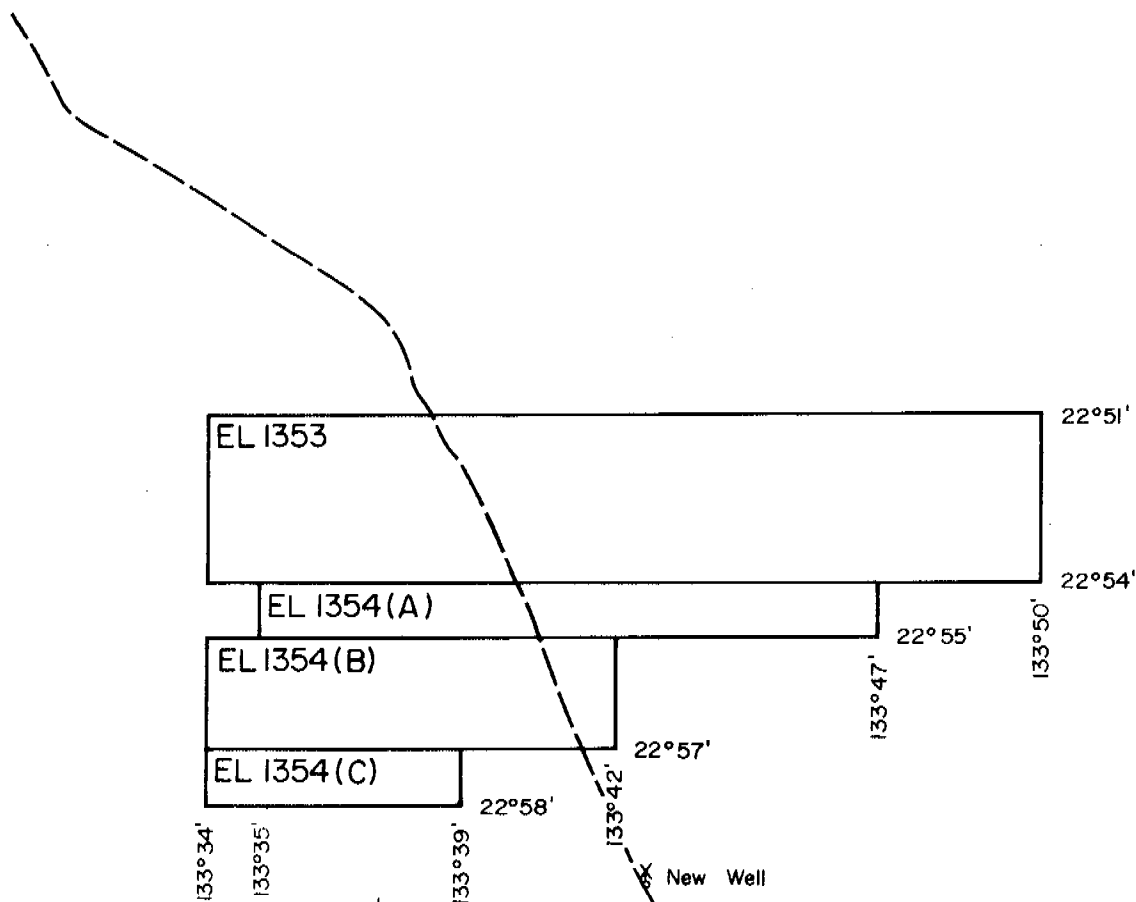
Exploration Licences 1353 and 1354 are approximately 160 km northwest of Alice Springs on the HERMANNSBURG and NAPPERBY 1:250,000 Sheets SF 53-13 and SF 53-9.

3. GEOLOGY:

The area covered by the exploration licences is a peneplain of Tertiary and Quarternary salt lake sediments overlying Proterozoic granites of the Arunta Block. Calcrete-type uranium mineralization occurs as carnotite in near-surface calcareous sandy clays.

4. INVESTIGATIONS AND RESULTS:

The tenements together cover the New Well Prospect area with estimated ore resources of about 6200 t U₃O₈ (average grade 356 ppm); at current uranium prices the deposit remains sub-economic. Although no field work was carried out on the tenements, exploration for calcrete-type uranium continues within the area, with the expectation that the discovery of an economic deposit within the vicinity of the New Well Prospect would enhance its viability.



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EL's 1353 & 1354
RENEWAL

DATE SEP 1980	MAP 1
PLAN	REPORT

5. FUTURE PROGRAMME:

It is planned to carry out a full re-evaluation of the existing data and if encouraging, initiate a more refined geostatistical ore reserve calculation and trend analysis study of the defined mineralization to fully determine its potential. The grades are highly variable and therefore it is planned to carry out up to 1000 m of additional selective infill drilling on some of these uraniferous channels to enable a better understanding of the distribution of mineralization as this may have bearing on the future planning for this prospect.

6. STATEMENT OF EXPENDITURE:

6.1 Exploration Licence 1353.

Covering the period 2 November 1980 to 1 November 1981.

Salaries and Wages -----	3,843
Drilling Contractor -----	nil
Field operating costs including consum- ables, rents, vehicle operating and repairs, airfares, freight, etc. -----	4,136
Depreciation of vehicles and geophysical instruments, consultants fees, management and distribution of Head Office costs. ----	<u>1,037</u>
	\$9,016.
	=====

6.2 Exploration Licence 1354

Covering the period 2 November 1980 to 1 November 1981.

Salaries and Wages -----	2,380
Drilling Contractor -----	Nil
Field operating costs including consumables, rents, vehicle operating and repairs, air- fares, freight, etc. -----	2,608
Depreciation of vehicles and geophysical instruments, consultants fees, management and distribution of Head Office costs.-----	502
	\$5,490
	=====

7. OTHER DETAILS:

7.1 Personnel

Chief Geologist -----	J. Borshoff
Regional Geologist -----	K. Ferguson
Project Geologist -----	W.G. Middleton
Geologist -----	E. Becker
Field Assistant -----	A. Keller

7.2 Instruments

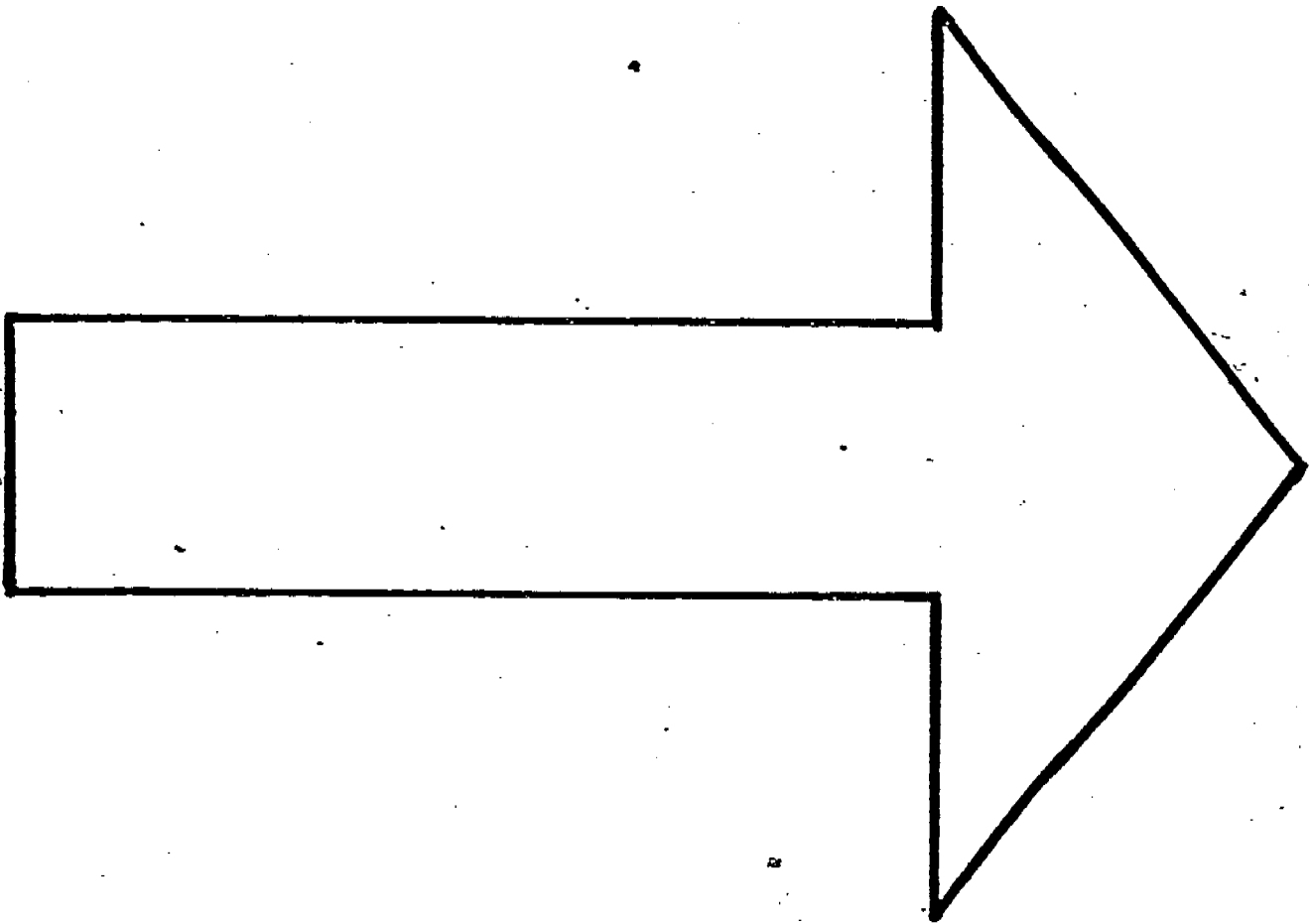
3 SRAT SPP.2 scintillometers - Serial Numbers 1104, 1514, 2285.
1 SIE downhole logger.
1 GAM-1 spectrometer - Serial Number 506079.

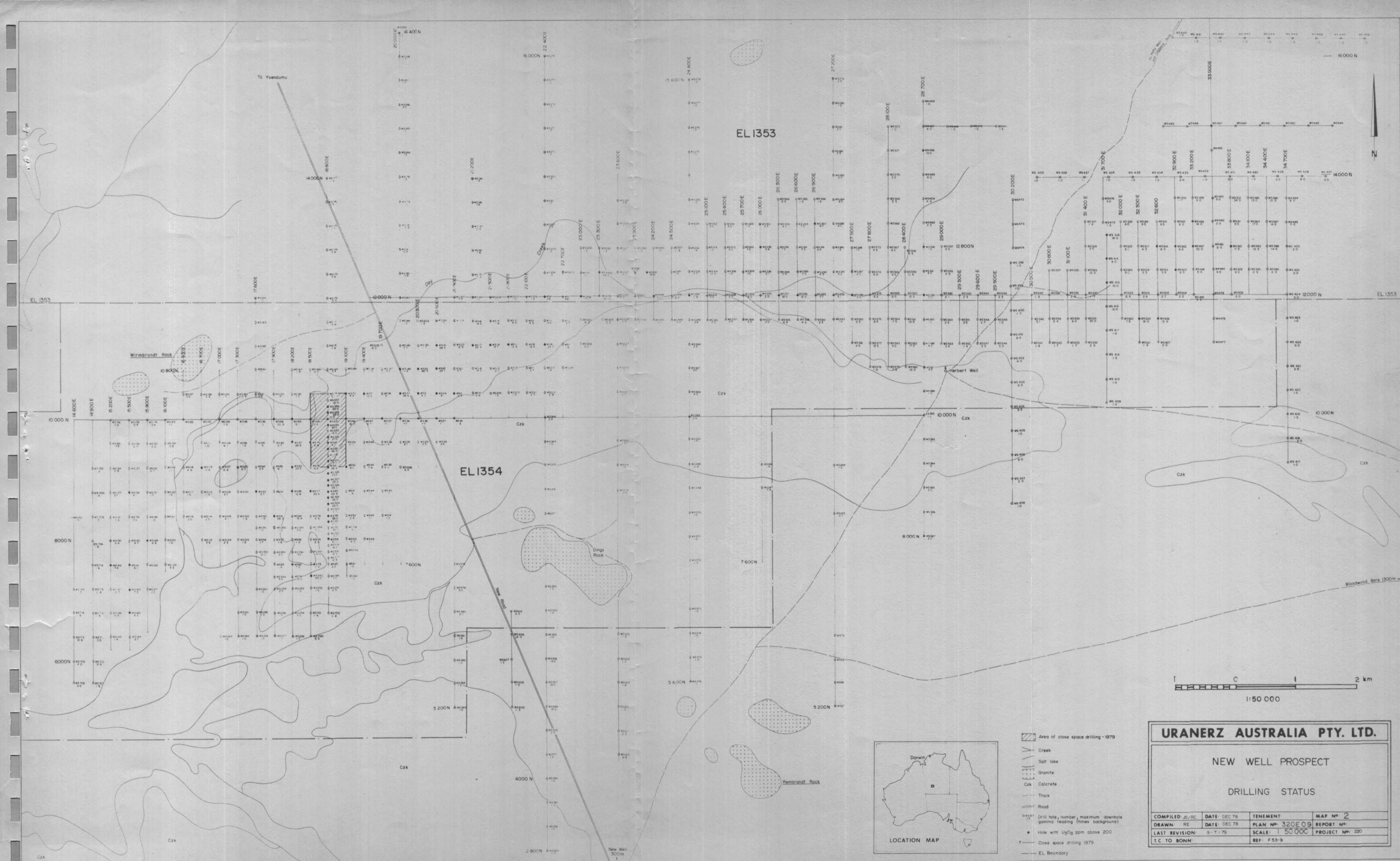
7.3 Vehicles and Equipment

2 Toyota FJ45's, Reg. Nos: 179-654 (NT): 6HN-851 (WA).
1 Toyota proline rig, Reg. No: XZI-459.
1 Trailer, Reg. No: 6TF-308.
1 Caravan, Reg. No: XSK-122.

7.4 Contractors

Nil.





- Area of close space drilling - 1979
- Creek
- Salt lake
- Granite
- Calcrete
- Track
- Road
- Drill hole, number, maximum downhole gamma reading (times background)
- Hole with U₃₀₈ ppm above 200
- Close space drilling 1979
- EL Boundary



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NEW WELL PROSPECT

DRILLING STATUS

COMPILED: JS/RC	DATE: DEC 78	TENEMENT:	MAP No 2
DRAWN: RE	DATE: DEC 78	PLAN No: 320E 09	REPORT No:
LAST REVISION: 9-7-79	SCALE: 1:50,000	PROJECT No: 220	
T.C. TO BONN:		REF: F53-9	