

GEOPEKO - TENNANT CREEK

A Division of
PEKO WALLSEND OPERATIONS LIMITED

ANNUAL REPORT ON EXPLORATION LICENCE 2590

9 JUNE, 1981 to 8 JUNE, 1982

Compiled By:

S.D. Turley
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1. INTRODUCTION

Exploration Licence 2590 is on the Illogwa Creek 1:250,000 sheet (SF 53 15). The EL was granted on the 9 June, 1981 to Mr L.A. Johannsen, who was employed as a prospector for Attutra Exploration Company Pty Ltd (an 80% owned subsidiary of Petrocarb Exploration N.L.). On the 12 December, 1981 an agreement was reached between Peko Wallsend Operations Ltd and Petrocarb Exploration N.L. In accordance with the agreement between Peko Wallsend and Petrocarb, the requirements of reporting and tenure maintenance consequently became the responsibility of Geopeko, the geological and exploration division of Peko Wallsend Operations Ltd.

The EL covers an area of 12.60 sq kilometres between the Atula Creek and the Plenty River. Access to the area is via the Pleny Highway, an unsealed road that runs from the Stuart Highway to the Queensland border. From the Plenty Highway access to the EL is via station tracks on Atula Station. EL 2590 is located approximately 15kms west south west of the Atula homestead.

2. SUMMARY OF EXPLORATION

The tenure was originally granted to Mr Johannsen in order to test ideas relating to "circular drainage anomalies" that Mr Johannsen thought could relate to the presence of rocks of a kimberlitic origin. The ground was tested firstly

by reconnaissance, ground magnetics and secondly by a series of air-track holes to a depth of 10-15m.

Liason with Mr Johannsen, who conducted this exploration indicates that no detailed records of the ground magnetic data were made and no formal report on the percussion chip-sample analysis was provided. The conclusions drawn from the work undertaken, was that the theory was tried and tested but failed to indicate the presence of rocks of a kimberlitic affinity. The only results known from the programme are that the holes intersected a fine grained, kaolinised gneiss.

3. EXPENDITURE

No detailed expenditure records appear to have been kept but an assessment of the cost of work completed indicates that expenditure on this Exploration Licence for the year under review was approximately \$5,000.

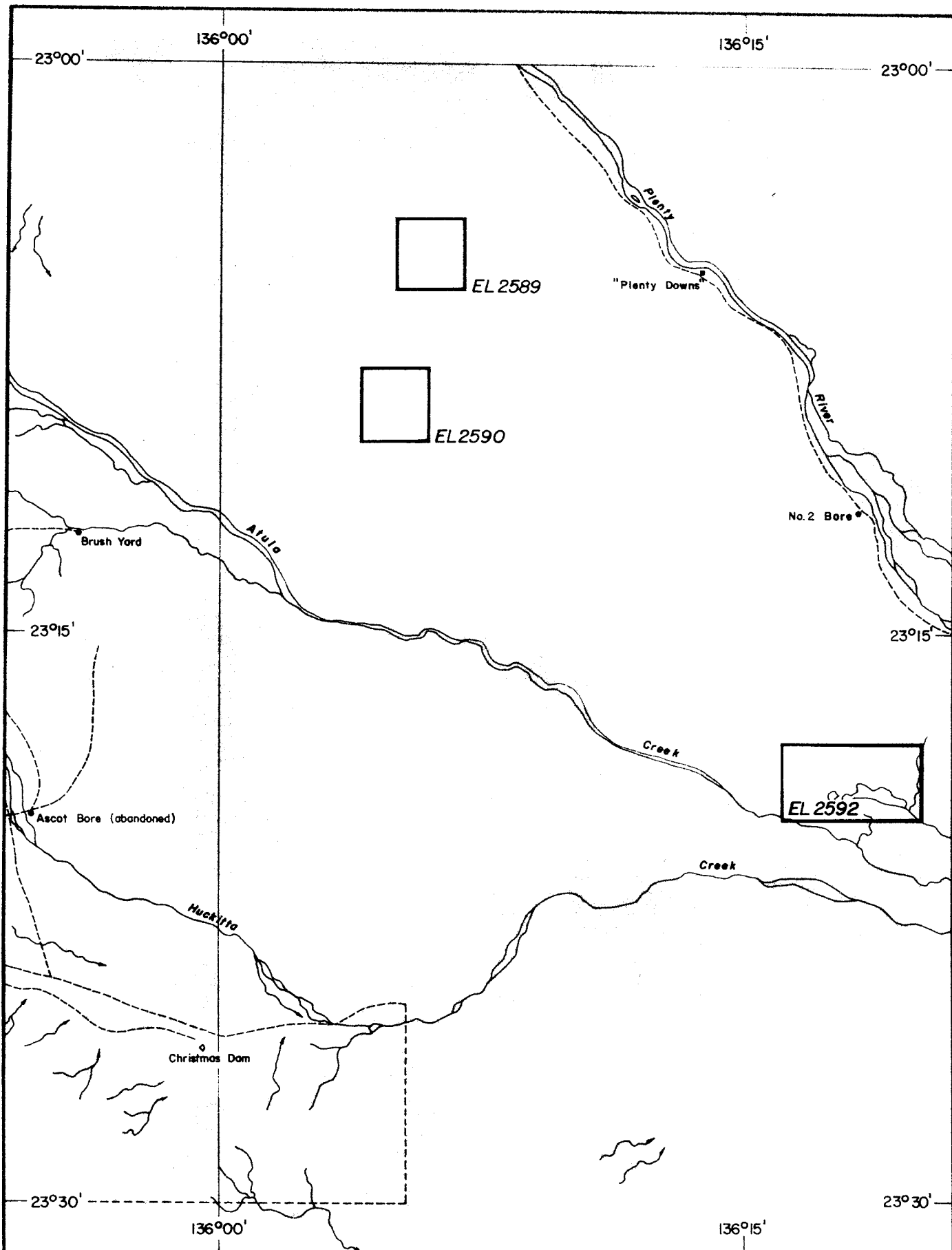
4. FUTURE EXPLORATION

EL 2590 is currently the subject of an exploration Joint Venture between Peko Wallsend Operations Ltd and Petrocarb Exploration N.L. The continuance of this Joint Venture is linked to an option held by Peko over the Molyhil Mine Mineral Leases. This option expires on 12 April, 1983. Should Peko decide not to exercise the option all the tenure that formed part of the Joint Venture will revert to the original tenure holder. It is Peko's wish

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that the status of this tenure should be retained until the due date.

The company is awaiting the release of data from the N.T. Geological Survey's airborne magnetic and radiometric survey, which covers the northern half of the Illogwa Creek and the southern half of the Huckitta 1:250,000 sheets. The EL falls within the survey area and its results, together with a regional geological survey will form the basis for future exploration.



Vehicle track



Area applied for Exploration Licence

GEOPEKO

TENNANT CREEK NORTHERN TERRITORY

PROJECT	MOLYHIL		
AREA	ILLOGWA CREEK 1: 250000		
DATA	LOCATION AND ACCESS TO EL's 2589, 2590 & 2592		
DRAWN	COMPILED	SCALE	DWG. No.
TL Ward 6/82	S Turley 6/82	1: 250000	TF 2796