

127001

T/14P part V*

Cue Minerals N.L.,
155 Dorcas Street,
South Melbourne,
Victoria, 3205

REPORT 701/7

D of M.	A.O.	CG	CC&M	D.S.M.E.
				Registrar
RECEIVED				
18 NOV 1980				MAIL
ANSWERED				
DEPT OF MINES				
REF. No.				

QUARTERLY REPORT

ON

T14P

BASS BASIN, TASMANIA

FOR

THE CUE MINERALS N.L.

CONSORTIUM

General Geological Services

Work Order CUE 701

October 1980

I N D E X

1.00 Introduction

2.00 Operations Performed

2.10 Data Collection

2.20 Geological and Geophysical Evaluation Programme

3.00 Operations Planned

3.10 Interpretation

3.20 Seismic Programme

4.00 Expenditure

5.00 Appendices

5.10 Seismic Data Past Survey Correlation

5.20 Well Data Survey - Preliminary

6.00 Illustrations Accompanying Report

Cue 701/2 Basic Data Plan

701/10 Bass Basin Stratigraphy (missing)

701/11 Structure Contour Map -Oligocene

1.00 INTRODUCTION

This report covers the work carried out for Cue Minerals N.L. with respect to T.14P for the period 1st July to 30th September 1980.

During the period data collection continued with the obtaining from B.H.P. (Hematite Petroleum Limited), the previous holders of the area, and the Tasmanian Mines Department, all of the available seismic sections and open file material readily available in the area.

These are still in the process of being copied and collated, but this task is expected to finish early in the next quarter.

Base map preparation continued so as to provide a suitable medium for re-contouring after seismic re-interpretation.

Interpretation of geology and geophysics has commenced and a planned new seismic effort is in the process of being formulated for January - February 1981.

2.00 OPERATION PERFORMED

2.10 Data Collection

Collection of previous geological and geophysical data is now virtually completed, and a list of seismic data collected and collated is presented in the Section 5.10 of this report, along with that of past wells drilled in the basin in Section 5.20. Material collected to date on several of these are still been copied and collated.

The position of the seismic lines collected and the wells investigated to date are shown on Basic Data Plan Cue 701/2.

Data collection from the wells, formerly basic well logs, and time depth curves and core/cuttings descriptions has enabled various formation tops of interest to be selected. These are shown on some preliminary well sections in Appendix 5.20.

2.20 Geological and Geophysical Evaluation Programme

Base maps have now been completed and evaluation of the area is well under way; the position of the seismic lines to be used in re-evaluation have been plotted and preliminary contouring of selected seismic horizons has commenced. - Ref. Plan 701/11.

3.00 OPERATIONS PLANNED3.10 Interpretation

This quarter saw the completion of data collection and well compilation. The material from both company and government files have been sent for copying and will not be available until early next quarter. This has delayed interpretation in the area.

At present, and in the next quarter in particular, the following interpretative maps will be completed in a preliminary form and will aid the final selection of a seismic programme for January - February 1981.

WATER DEPTH (1:250,000)Time Contour Maps (two way time)

These will cover the main litho-stratigraphic intervals at present identified in the basin by past explorers.

- A - Top of the Oligocene - Completed
- B - Top of the Eastern View Coal Measures -
Partially completed
- C - Top of basement - Partially completed

Other intervals to be considered will be.

L-M Diversus Palynological Spore Pollen Horizon

U-M Diversus Palynological Spore Pollen Horizon

Following the production of the above maps, structure contour and isopach maps will then be compiled using velocity data from past well surveys. These will be integrated into the new seismic planned for next year.

3.20 Seismic Programme

A new high resolution survey of 400 km has been planned and times of shooting arranged with G.S.I. for next January - February 1981. Details will be presented in the next quarter.

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4.00 EXPENDITURE

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CUE MINERALS N.L.

PERMIT TAS T14P

QUARTERLY REPORT - EXPENDITURE

QUARTER ENDING: 30/9/80

LEASE FEES (RENTALS)	OFFICE OVERHEAD	OFFICE STUDIES	FIELD WORK		
			GEOLOGICAL	GEOPHYSICAL	DRILLING
	\$ 3,800	\$18,000			

SIGNED: _____



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5.00 APPENDICES

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5.10 SEISMIC DATA

Past Survey Correlation (Completed)

INFORMATION COLLECTED FROM MINES DEPARTMENT
AND FROM HEMATITE PETROLEUM LTD.

SEISMIC DATA

<u>MINES DEPARTMENT</u> <u>FILE</u>	<u>SURVEY</u>	<u>REQUIRED</u>
Offshore 5	HB77A	Shot point maps Final Report
Offshore 16	B72A	Shot point maps Final Report
Offshore 70	HB73A	Shot point maps Final Report
Offshore 24	B69B B70A	Shot point maps Final Report
Offshore 32	B71A	Shot point maps Final Report
Offshore 44 46 48	HB75A	Shot point maps Final Report
Offshore 63	B70A	Shot point maps Final Report

The above information is in the process of being copied at:

Tasmanian Office and Printing Service,
Hobart.

5.20 WELL DATA SURVEY - PRELIMINARY

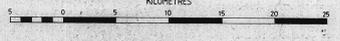
INFORMATION COLLECTED FROM MINES DEPARTMENT
AND FROM HEMATITE PETROLEUM LTD.

WELL DATA

<u>MINES DEPARTMENT FILE</u>	<u>WELL NAME</u>	<u>COLLECTED</u>
7	Bass 1, 2 Dondu 1 Nangkero 1 Yurongi 1	All basic logs, TDC - Sample descriptions, cuttings core descriptions.
10	Pelican 3	
12	Pelican 4	
13	Poonboon 1	
15	Durroon 1	
20	Dondu 1	
22	Yurongi 1	
26	Narimba 1	
40	Nangkero 1	
52	Narimba 1	
80	Bass 1	
81	Bass 2	
85	Pelican 1	
86	Pelican 2	

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6.00 ILLUSTRATIONS ACCOMPANYING REPORT

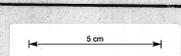


Projection: UTM Zone 55 C.M. 147°E

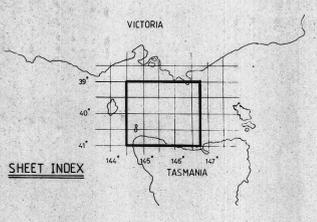
BASS BASIN

BASIC DATA PLAN

Datum: Sea Level
Author: C. GLAZEBROOK
Drawn by: M. DUCKWORTH
Date: 17/4/80
Checked by:
Revised:



SHEET CUE 701/2



WELL DATA

- Oil Show
- Gas Show
- Oil & Gas Shows
- Analog Seismic Shot Point
- Digital Seismic Shot Point
- Oil Well
- Gas Well
- Oil & Gas Well
- Dry Hole (Abandoned)
- Drilling

FIELD DATA

- Oil
- Gas
- Oil & Gas

MAP DATA

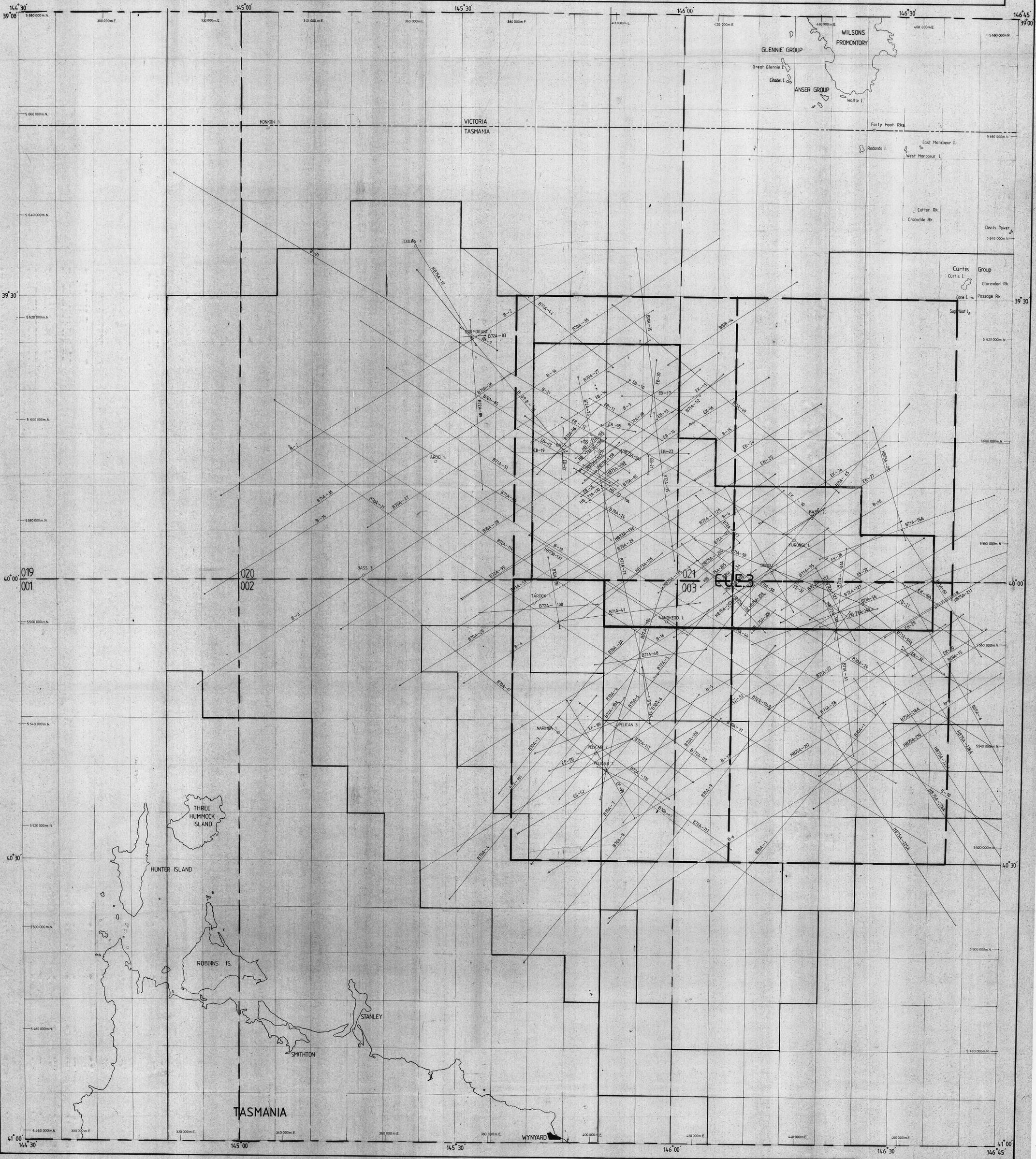
- 1:100,000 Coverage
- 1:50,000 Coverage

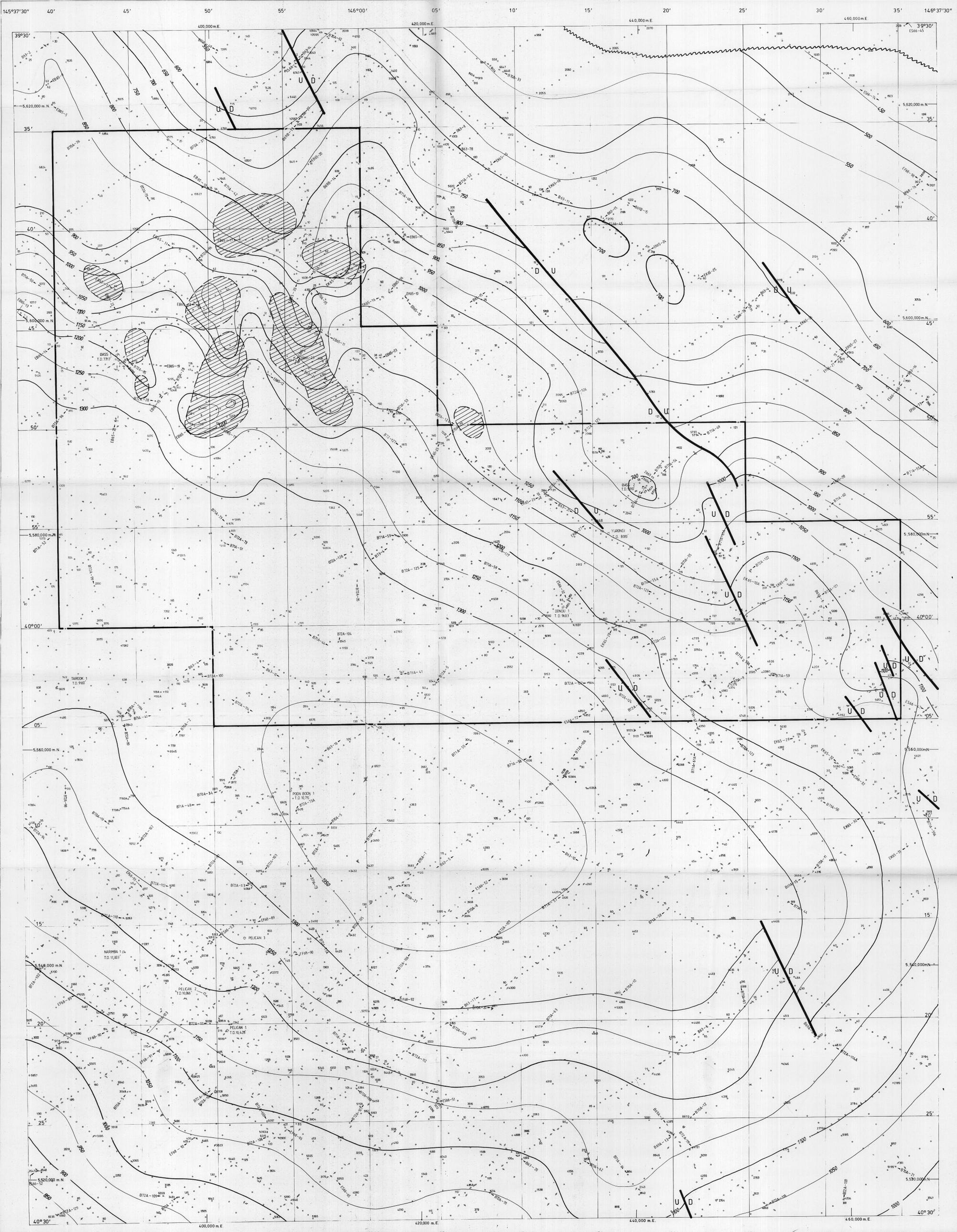
TENEMENT DATA

- Licence Area
- Permit Area
- Gazetted Area
- Vacant
- 2317 Block No.

SEISMIC SURVEYS

SURVEY	YEAR	SURVEY	YEAR
B	1955	B70A	1970
EK	1955	B71A	1971
EB	1956	B72A	1972
EF	1958	HB73A	1973
B69A	1959	HB75A	1975
B69B	1959	ES	



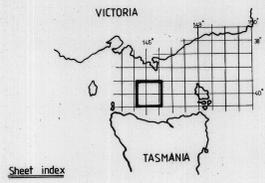


Scale 1 : 100,000
 0 1 2 3 4 5 6 7 8 9 10
 KILOMETRES

Projection UTM Zone 55 C.M. 147°E
 Compiled by: Cue Minerals N.L.

STRUCTURE CONTOUR MAP
 TOP OF Oligocene
 EVALUATION AREA

50m



Sheet index

- MAPPING INFORMATION - GENERAL**
- Permit Area
 - Preliminary Seismic Programme
 - Oil Well
 - Gas Well
 - Oil & Gas Well
 - Anomalous Seismic Shot Point
 - Digital Seismic Shot Point
 - Dry hole (abandoned)
 - Petroleum Tenement boundary

- LEGEND**
- MAPPING INFORMATION - DEPTH**
- 100 Contour in metres
 - 100 Isopach contour in metres
 - U Fault, 'U' downthrown side

- MAPPING INFORMATION - TIME**
- Times in msec below sea level
 - Contour interval 50 msec
 - Contour based on fair seismic data
 - Contour based on conjecture



Areas Of Oligocene Volcanic Build-up

Datum: Sea Level
 Contour interval: 50m
 Author: C. GLAZEBROOK
 Date:
 Drawn by: M. DUCKWORTH
 Checked by:
 Revised:

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T/14P part V*

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