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ANNUAL REPORT
YEAR 6
PERMIT T/14P

AMOCO AUSTRALIA PETROLEUM COMPANY
JANUARY, 1986

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FIGURES

- FIGURE 1. LOCATION MAP YOLLA-1 AND TILANA-1 WELLS
FIGURE 2. "1985B AMOCO BASS BASIN SURVEY" LINE MAP

ENCLOSURE

- NO. 1 T/14P SHOT POINT LOCATION MAP

1. INTRODUCTION

This report relates to exploratory work carried out by Amoco Australia Petroleum Company, as operator for the consortium holding title to Permit T/14P, during the period January 9, 1985 to January 8, 1986.

2. PREVIOUS REPORTS

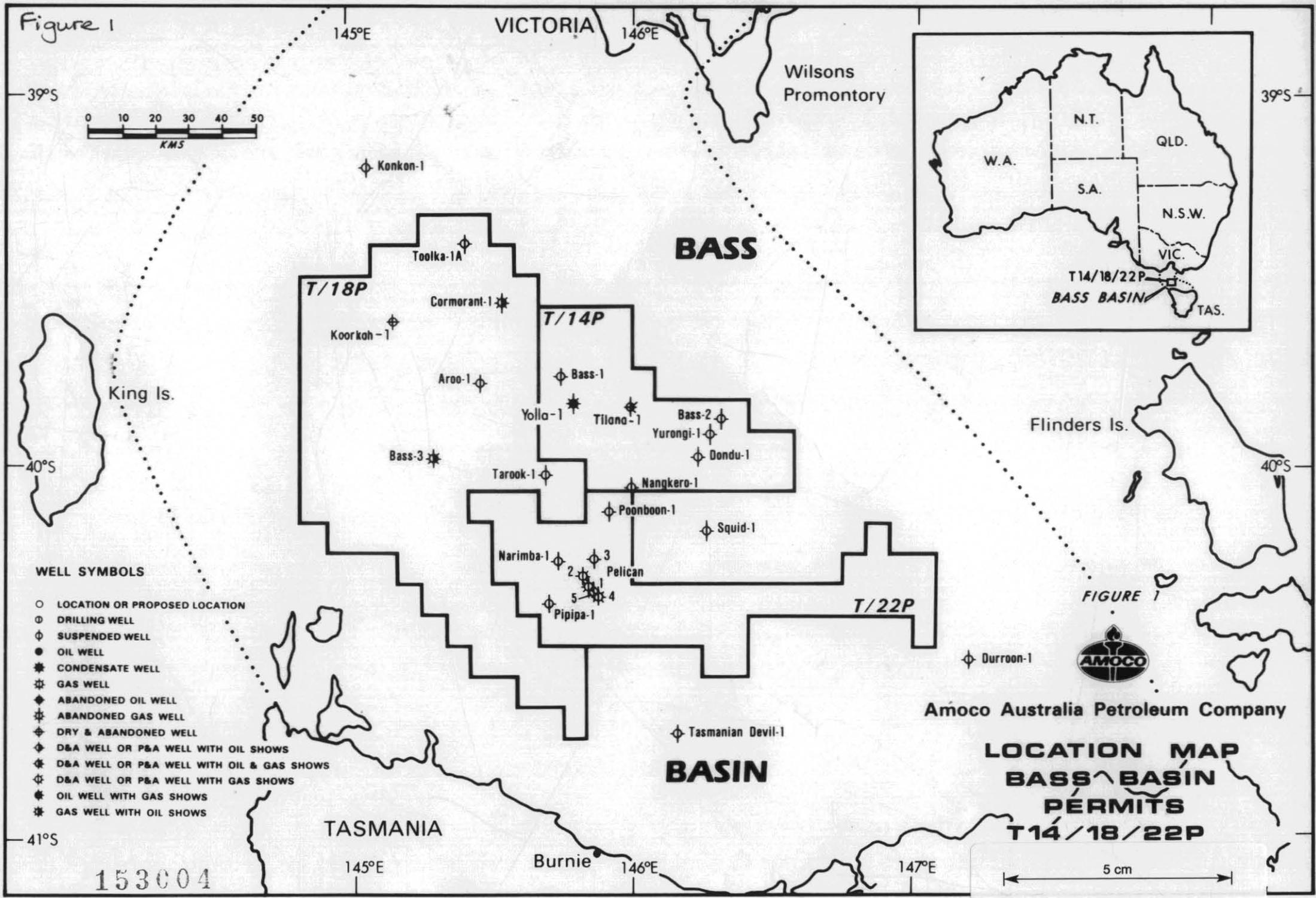
The following reports have been submitted by Amoco Australia Petroleum Company during Year 6:

First Quarterly Report, Year 6, T/14P, dated May 8, 1985.

Second Quarterly Report, Year 6, T/14P, dated July 31, 1985

Third Quarterly Report, Year 6, T/14P, dated November 8, 1985

Figure 1



WELL SYMBOLS

- LOCATION OR PROPOSED LOCATION
- ⊕ DRILLING WELL
- ⊖ SUSPENDED WELL
- OIL WELL
- ✱ CONDENSATE WELL
- ✱ GAS WELL
- ◆ ABANDONED OIL WELL
- ✱ ABANDONED GAS WELL
- ⊖ DRY & ABANDONED WELL
- ⊖ D&A WELL OR P&A WELL WITH OIL SHOWS
- ⊖ D&A WELL OR P&A WELL WITH OIL & GAS SHOWS
- ⊖ D&A WELL OR P&A WELL WITH GAS SHOWS
- OIL WELL WITH GAS SHOWS
- ✱ GAS WELL WITH OIL SHOWS

FIGURE 1



Amoco Australia Petroleum Company

**LOCATION MAP
BASS BASIN
PERMITS
T14/18/22P**

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3. DRILLING OPERATIONS

During the reporting period, Amoco Australia Petroleum Company drilled two wells in the T/14P acreage, the Yolla-1 which was a discovery well, and Tilana-1 which failed to flow hydrocarbons on test.

YOLLA-1

Yolla-1 was drilled to test structural closure of Early Eocene-Paleocene-aged sediments within the Eastern View Coal Measures. During drilling, good hydrocarbon shows were encountered in sandstones of Late Eocene age in the uppermost part of the Eastern View Coal Measures and in Late Paleocene-aged sandstones in the lower part of the Eastern View Coal Measures. The following flow rates were recorded during drillstem tests of the various intervals:

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Late Paleocene Sandstones

<u>D.S.T. NO.</u>	<u>PERFORATED INTERVAL(S)</u>	<u>RECOVERY</u>
1.	2809.1-2814.2m	30/64" choke;
	2817.9-2824.6m	10.2 mmcfgd
		420 bcpd (50.5 degrees API)
		40/64" choke;
		15.1 mmcfgd
		580 bcpd (51.2 degrees API)

Late Eocene Sandstones

<u>D.S.T. NO.</u>	<u>PERFORATED INTERVAL(S)</u>	<u>RECOVERY</u>
2.	1830 - 1835.2m	32/64" choke;
		2.2 mmcfgd
		1675 bwpd
2A	1833.2 - 1833.8m	16/64" choke;
		1.02 mmcfgd
		302 bopd (45.5 degrees API)

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3	1813 - 1833.1m	80/64" choke;
		11.8 mmcfgd
		892 bcpd (50.6 degrees API)

The Yolla-1 well was suspended as a discovery well on October 11, 1985 at a total depth of 3347 meters.

TILANA-1

Tilana-1 was drilled to test structural closure of sediments of Eocene and Late Paleocene age within the Eastern View Coal Measures. Three drillstem tests were conducted in sandstones of Paleocene age over intervals that had encouraging shows of hydrocarbons while drilling, and indications of moveable hydrocarbons on the electric logs. The following intervals were perforated and tested without recovery of hydrocarbons;

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<u>D.S.T. NO.</u>	<u>PERFORATED INTERVAL(S)</u>	<u>RECOVERY</u>
1.	3178.7 - 3184.9m 3179.1 - 3185.1m	Nil
2.	3071 - 3075m	Nil
3.	3042 - 3048m	Nil

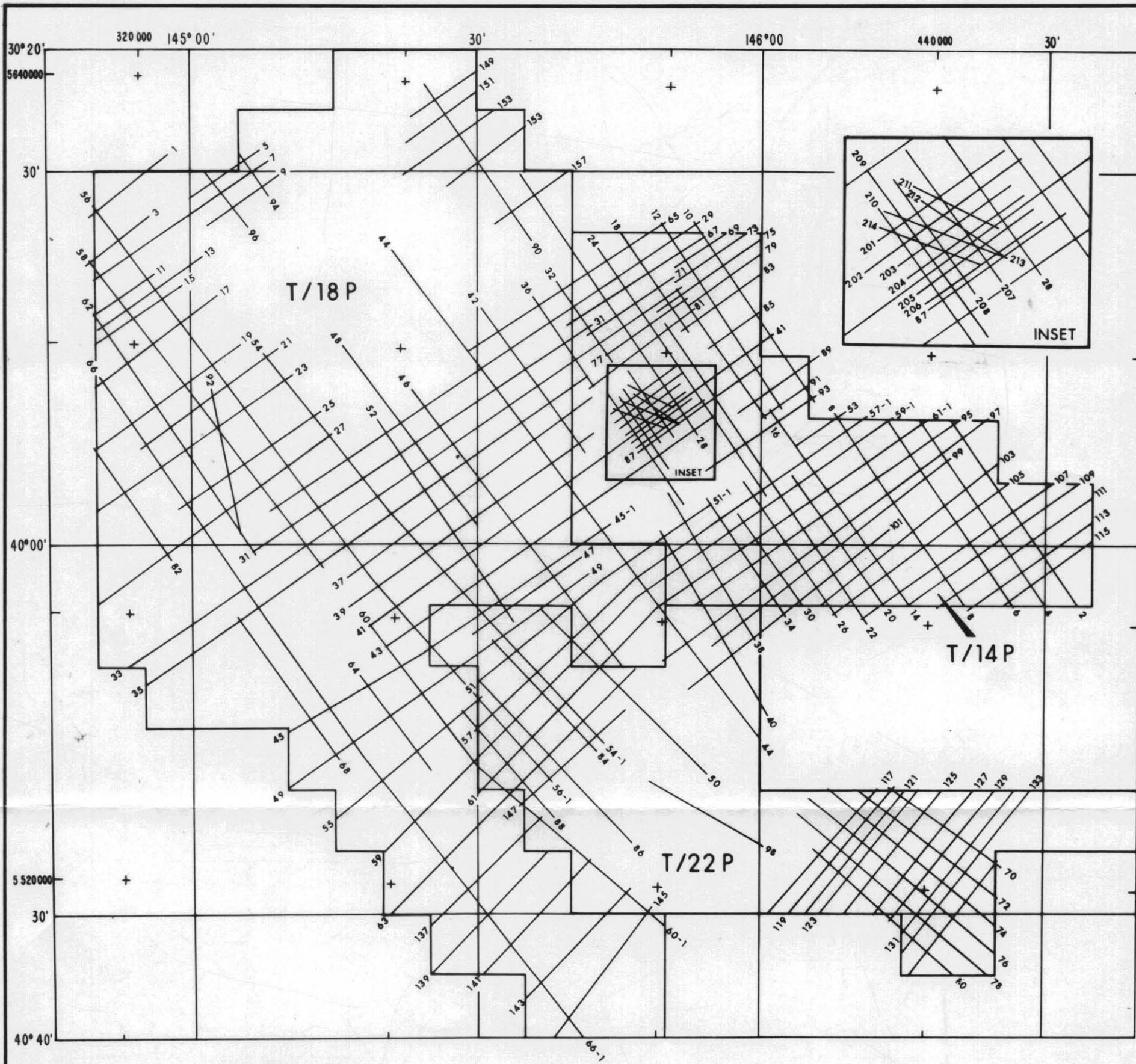
The Tilana-1 well was plugged and abandoned after testing on November 28, 1985 at a total depth of 3900.2m.

4. GEOLOGICAL WORK

In the lead-up to the drilling of the Yolla-1 and Tilana-1 wells, several laboratory studies were undertaken on selected samples from previously drilled wells within T/14P to attempt to resolve uncertainties associated with thermal maturation, age and reservoir properties of the Eastern View Coal Measures. Results of these studies have been forwarded to the Tasmanian Mines Department as enclosures accompanying Year 6 First Quarterly Report.

Samples from the Yolla-1 and Tilana-1 wells have been submitted for various analyses including age dating (Palynology and Paleontology), source rock studies (maturation, kerogen typing and hydrocarbon characterisation) and petrological examinations. The results of these studies will either be incorporated into the final well reports where practical or will be distributed as separate reports upon completion of the analyses.

The regional geological study instigated during the Third Quarter of Year 6 is continuing. As it becomes available the data gathered from the drilling of the Yolla-1 and Tilana-1 wells is being assimilated into the study.



5. GEOPHYSICAL WORK

An extensive Geophysical exploration program was undertaken within the permit over the past year. Data acquired during the 1984 Amoco Bass Basin Survey was interpreted together with reprocessed seismic data. A V.S.P. survey was run on the Yolla-1 well while a velocity survey was run on Tilana-1. Also, an 1801km seismic program was shot over the permit during October and November 1985 as part of the 1985B Amoco Bass Basin Survey.

DATA ACQUISITION

From October 6, to November 16, 1985, a total of 1801 km of seismic, gravity and magnetic data were acquired over the permit, as part of the 1985B Amoco Bass Basin Survey. The survey consisted of both regional and detailed lines. The regional lines were merged with the 1984 lines to complete a regional grid of modern data over the entire permit, while detailed lines were shot over the Yolla-1 discovery. Lines shot during the survey are prefixed TQH5, and their location is shown on figure 2 and Enclosure 1 (Shot Point Location Map T/14P). A vertical seismic profile survey was run on the Yolla-1 well on September 10, 1985 with 141 levels recorded between 500 to 3314m below KB. A velocity survey was recorded on Tilana-1 (the second well drilled by Amoco in the permit in 1985) on October 30, 1985. Thirty five levels were recorded between 700m to 3470m below KB.

DATA PROCESSING

Processing was completed on all data acquired during the 1984 Amoco Bass Basin Survey together with 324km of reprocessing, in the first quarter of 1985. Data quality on the new seismic was higher than previously seen in the basin, especially in the deeper section below the Tertiary Eastern View Group, thus permitting confident mapping of horizons beneath those previously considered reliable in the area.

The V.S.P. survey on Yolla-1 was the first undertaken by Amoco in the Bass Basin. The survey was run in cased hole at 20m intervals from 3314m Total Depth to 1060m, and then at 30m intervals from 1060m to 500m below KB. Data quality varied from fair to good, with only fair quality data being recorded below 2700m.

The data was processed by Schlumberger using their standard processing sequence of Band Pass Filtering, True Amplitude Recovery, Velocity Filter and Wave Shape Deconvolution. A hundred and thirty one levels from 3300m to 700m were used to produce the final V.S.P. display. A copy of the final V.S.P. report was forwarded to the Mines Department in early November 1985.

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To review the processing sequence used on the 1984 lines and determine an optimum sequence for the proposed 1985B Amoco Bass Basin Survey Lines, a program of test processing was run in September and October by G.S.I. in Sydney. In general the results confirmed previous tests except that the deconvolution filter was changed from minimum phase to G.S.I.'s Designature deconvolution filter. Designature produces a band limited zero phase wavelet, and sections processed using this filter gave better definition of the unconformity horizons below the Eastern View Coal Measures.

Processing commenced on the 1985B Amoco Bass Basin Survey data from T/14P in late October following a data drop during the survey. Preliminary sections were available for interpretation in late November. However, final sections will not be available until March 1986.

Gravity and magnetic data recorded during the survey are being processed in the U.S.A. Results are not expected for some months.

INTERPRETATION

Prospect maps were prepared for Yolla-1 and Tilana-1 and were included with the drilling proposals for the two wells. Regional mapping is still in progress incorporating the new 1985 data with the previous seismic. Final maps are not expected for some months.

6. EXPENDITURE

During the past year the following expenditure was incurred in T/14P:

	A\$

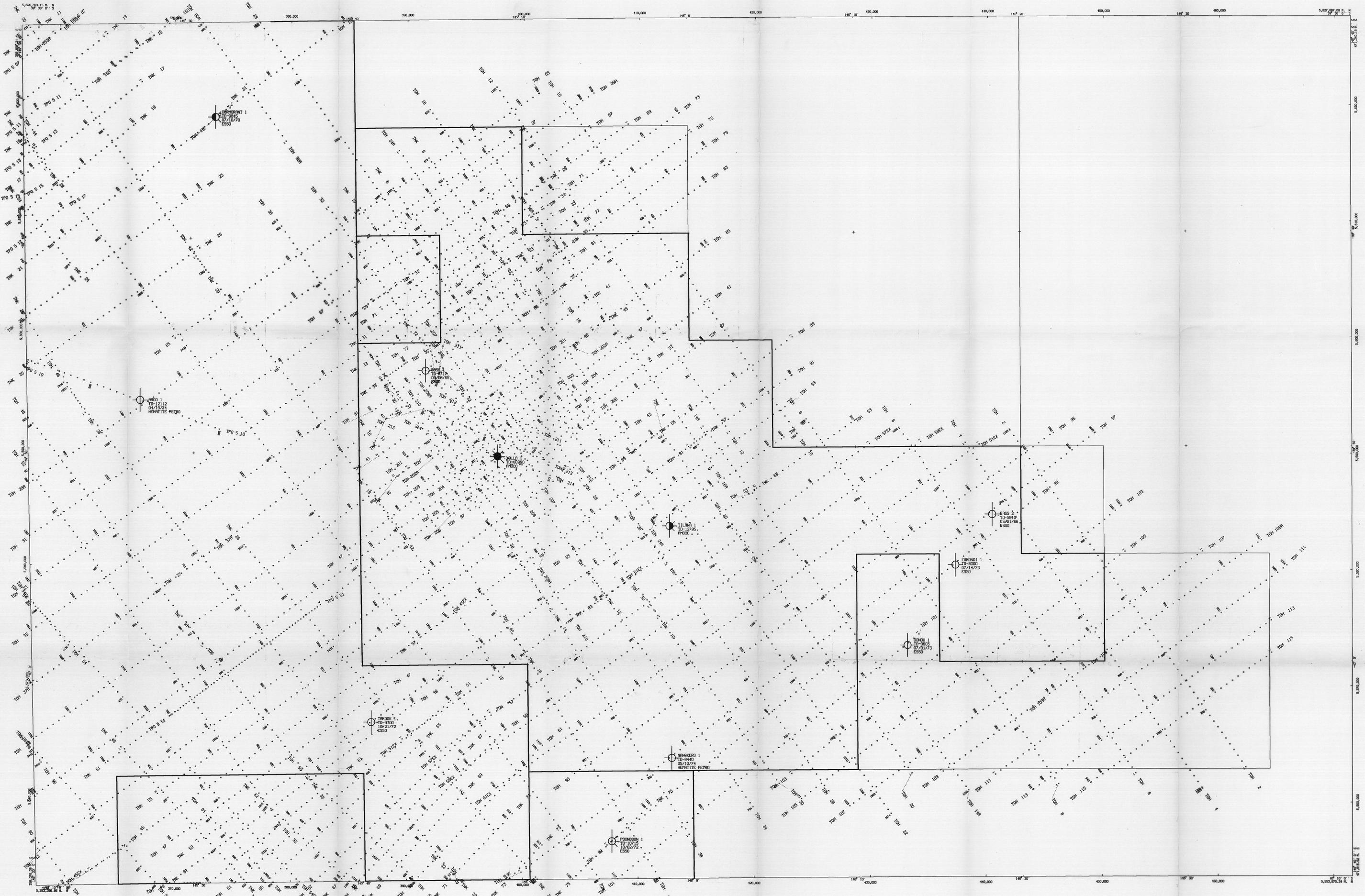
Drilling Equipment	142,168.07
Storehouse Material (inc. W.I.P.)	1,823,490.55
Acquisition of Property	900.00
Exploratory Well Costs	37,507,804.40
Operating Base Facilities	42,394.83
Office Equipment	16,383.65
Other Direct Operating Expense	10,547.01
Geological & Geophysical Expense	1,867,856.15
Other Expense	12,368.95
Indirect Operating & Admin Expense	3,325,923.06

TOTAL A\$	44,749,836.73

7. FUTURE WORK

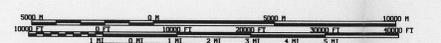
Amoco is planning to conduct the following work in T/14P during the coming year, January 9, 1986 to January 8, 1987.

1. Continue detailed geological evaluation of the basin.
2. Complete regional structure maps on selected horizons in the Tertiary and Cretaceous from the seismic acquired in October - November, 1985.
3. Complete detailed structure maps over the Yolla-1 discovery.
4. Fully evaluate the results from Yolla-1 and Tilana-1, and incorporate the data from the wells into the overall assessment of the Permit.



All geological and geophysical data, including the interpretation thereof, appearing on this map is the private and confidential property of Amoco Production Company. The publication or reproduction thereof without the written permission of said Company is strictly prohibited.

UNIVERSAL TRANSVERSE MERCATOR (UTM) GRID
 PROJECTION - 17
 CENTRAL MERIDIAN - 146° 0' 0" E LONG SCALE FACTOR - 0.9999999



8 cm



1/98 Part 25
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 AMOCO PRODUCTION COMPANY
 AUSTRALIA
 T/14P
 BRASS BASIN
 SHOTPOINT BASEMAP
 AMOCO LINES ONLY
 SCALE 1 TO 100,000 APR 24, 1986