

SUMMARY OF OIL SEARCH OPERATIONS IN QUEENSLAND, YEAR 1978

Concession holders and Names and Addresses of Principal Officers	Operating Company (Drilling Contractor where applicable)	Authority to Prospect	Area in Blocks	Locality	Surveys		Drilling Operations		General Remarks
					Type	Duration (Party Months)	Appraisal	Development	
R. S. James & Assoc's M	—	ATP 320		Maryborough	Geological	Months 2 1/2	—	—	—

MD 62-71-3

GEOLOGICAL SURVEYS

Title	Area	Sedimentary Basin	Type	Agency	Party Months
<i>ATP 320</i>	<i>Margborough</i>	<i>Margborough Basin</i>	<i>Reconnaissance</i>	<div data-bbox="1023 831 1158 913" style="border: 1px solid black; padding: 2px;">s.73 Irrelevant</div> <i>Sydney Oil Co.</i>	<i>2 months.</i>

MD 62-71

AEROMAGNETIC SURVEYS

Title	Operator	Contractor	Locality	Area Covered	Line Kms.
<hr/>					

NIL

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DEPARTMENT OF MINES

SEISMIC SURVEYS

TABLE

TITLE	OPERATOR	CONTRACTOR	NAME	LOCALITY	LENGTH OF SUB-SURFACE SECTION (kms)	CREW - MONTHS	SEISMIC SOURCE	METHOD AND MULTIPLICITY OF COVERAGE
<p><i>NIL</i></p>								

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CLASSIFICATION OF ACCIDENTS  
(Lost Time Only)

	OCCUPATION					INJURED MEMBERS										AGENCY OF INJURY						
	Toolpushers	Drillers	Drilling Crew	Others	TOTAL	Fingers	Hands	Arms	Tools	Feet	Legs	Head	Eyes	Body	TOTAL	Moving Machinery	Using Tools	Handling Tubing	Falling Objects	Other Causes	TOTAL	
Sprains, Contusions, Abrasions, Cuts and Lacerations																						
Fractures																						
Burns																						
Other Injuries																						
TOTALS																						

LOST TIME INCURRED      MAN DAYS  
 Toolpushers  
 Drillers  
 Drilling Crews  
 Others  
 TOTAL                      days

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EMPLOYMENT (MAN YEARS) — PETROLEUM EXPLORATION AND DEVELOPMENT

FIELD														Office and Administration			TOTAL
Geological and Geophysical				Exploration Drilling				Appraisal and Development Drilling				Operators Employees					
Geologists and Geophysicists		Technicians and Helpers		Supervisors Petroleum Engineers Geologists Toolpushers Drillers		Drilling Crews		Supervisors Petroleum Engineers Geologists Toolpushers Drillers		Drilling Crews		Geologists and Geophysicists		Drilling	Administration and Clerical		
Employed by		Employed by		Employed by		Employed by		Employed by		Employed by							
Operator	Contractor	Operator	Contractor	Operator	Contractor	Operator	Contractor	Operator	Contractor	Operator	Contractor	Operator	Contractor				
	1/6 0.16														1/25 0.04	0.20	

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TABLE 15

ACCIDENT MEASUREMENTS (A.S. 1885)

LOST TIME INJURY FREQUENCY RATE — The number of disabling injuries per million man-hours.

$$\text{FREQUENCY} = \frac{\text{No. of disabling injuries} \times 1\,000\,000}{\text{Man-hours exposure}^*}$$

$$= \frac{\times 1\,000\,000}{\times 2\,500}$$

=

DURATION RATE — The average time lost due to disabling injuries.

$$\text{DURATION RATE} = \frac{\text{Time lost in days}}{\text{Number of lost-time injuries}}$$

=

=

\* Man-hours exposure = Employment man-years field  $\times$  2 500

Authority to Prospect No. \_\_\_\_\_

\$ A

- 1) EXPLORATION
  - a) Gravity
  - b) Aero/Ground Magnetic
  - c) Seismic
  - d) Geological

5,000

- 2) DRILLING
  - a) Exploration
  - b) Appraisal
  - c) Development

- 3) PRODUCTION
  - a) Installations
  - b) Operations

- 4) GENERAL
  - a) Office and Administration
  - b) Geological Studies
  - c) Geophysical Studies

2,500.  
25,000

TOTAL 32,500.

NOTE: For the purpose of this report it is suggested that figures be rounded to the nearest \$1 000.

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C.R. 12795



OPEN FILE

FINAL REPORT ON AUTHORITY TO PROSPECT 320P

by

s.73 Irrelevant information

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JANUARY, 1984.

FINAL REPORT

ATP 320P

This Queensland petroleum tenement is submitted for relinquishment, effective upon receipt of this final report.

Critical evaluation of previous geological and geophysical work over the area led to the following major conclusions:

1. Surface geological studies indicated that the Mesozoic rocks comprising the great majority of the outcrops vary in physical nature according to the energy of the environment and the provenances from which they were derived.
2. As a result, a multitude of formation names were applied to the various facies of the results of what was virtually contemporaneous deposition at various times through the Mesozoic.
3. Because the Mesozoic rocks were laid down under dominantly fresh water conditions, they are not attractive as classical source rocks, though nothing is known of their geochemical potential to source oil and gas.
4. In approximately the western half of the tenement, Tertiary igneous intrusions have produced associated thermal metamorphism whose grade rapidly decreases until within two kilometres, no effect is great enough to be observed and reported.
5. The approximate eastern half of the tenement is covered with Quaternary alluvium. Because no volcanic pipes or other evidence of igneous activity is seen there, it is very probable that there is negligible thermal metamorphism in a significant area of the tenement.
6. Similarly, low grade dynamic metamorphism is reported in the more seriously disturbed belt along the western half of the tenement, so that it is reasonable to suppose that this effect will similarly become negligible eastwards with increasing remoteness from the tectonic activity, probably associated with the vulcanism in the Tertiary.
7. Biogenic limestones of Permian age are reported in a relatively narrow strip parallel to the western margin of the basin. The Permian is marine and is estimated to be up to 2000 metres thick. In its outcrop area, various minerals of generally metasomatic origin have been found, including gold in the Gympie gold field.
8. Younger marine Cretaceous and Miocene rocks are known more than 100 kilometres to the north and northeast, but probably cannot be present in the tenement area.

9. However, the marine Permian rocks are confidently expected to underlie the several thousand metres of known Mesozoic sediments.
10. The geophysical evidence is restricted to two short lines of refraction seismic in the extreme south of the tenement area, which is of limited interest in view of the above interpretation of stratigraphic potential.
11. No exploratory drilling has been done, and water bores are confined to those drilled to a few tens of metres.

It is clear that the oil and gas potential of the tenement area is completely unknown, particularly in the eastern half. This is because no exploration using modern concepts and methods, has been carried out. We envisaged reconnaissance reflection seismic surveys to attempt to verify continuity of sedimentation, followed by such detailing as would have been considered necessary to delineate a drillable structure.

From such drilling we would have expected to get some idea of the thermal history of the sediments and the extent of the marine Permian from the outcrop. Without preliminary seismic nothing can be said against the hydrocarbon potential of the area. If this seismic should show any justification for drilling, some real evidence for or against the possibility of oil and gas occurring would be obtained.

These concepts were conveyed to two companies but, with the onset of the present adverse economic climate for exploration, and its worsening, we were unable to arouse any active interest in the tenement.

Consequently, our view is that though the tenement has unknown and possibly good potential for yielding commercial oil and gas, we are unable to continue further work in it, and request approval to relinquish it.

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PETROLEUM ACT 1923 - 1981

AUTHORITY TO PROSPECT

WHEREAS application has been made for an Authority to Prospect for petroleum on the lands hereinafter described AND WHEREAS by Proclamation issued under the provisions of the Petroleum Act 1923 - 1981 (hereinafter referred to as "the Act") an area comprising such lands was declared not to be open to permit or lease under such Act:

NOW, THEREFORE, I, THE HONOURABLE, IVAN JAMES GIBBS, the MINISTER FOR MINES AND ENERGY

for the State of Queensland (hereinafter with his successors in office referred to as "the Minister") by virtue of the powers and authority in me vested by the Act

HEREBY GRANT TO R.S. JAMES AND ASSOCIATES PTY LIMITED

(hereinafter referred to as "the holder") an Authority to Prospect for petroleum on the lands more particularly described in the Schedule hereto for the term hereinafter specified upon and subject to the provisions of the Act and in particular Section 9A of such Act and to the following terms, conditions, provisions and stipulations.

1. TERM:

The term of this Authority to Prospect shall be a period of Four (4) years commencing 1st June, 1982

2. AREA:

One hundred and thirty seven (137) Blocks as described in the Schedule hereto.

Notwithstanding anything herein contained the area of the lands comprised in this Authority to Prospect shall be reduced by each of the following dates in this Clause to not more than the area shown against that date:-

<u>Date</u>	<u>Area</u>
..... 1st June, 1984.....	..... 100 Blocks.....
..... 1st June, 1985.....	..... 65 Blocks.....
.....	.....
.....	.....
.....	.....
.....	.....

The Holder shall before each of the above dates in this clause by notice in writing to the Minister specify the lands to be excluded by that date in accordance with this clause. In default of the Holder so specifying then the Minister shall specify such lands.

3. MARKING OF BOUNDARY:

If any doubt or dispute should arise as to the position of all or any portion or portions of the boundary or boundaries of the lands comprised within this Authority to Prospect (hereinafter called "the boundary") or if it appears to the Minister to be desirable in the public interest then the Minister may require the Holder to survey and mark the boundary and thereupon the Holder shall do so at his own expense.

Should he so desire the Holder may at any time during the term of this Authority to Prospect survey and mark the boundary.

When the boundary has been surveyed and marked and the boundary as so marked has been accepted as correct by all permittees and holders of Authorities to Prospect whose interests are affected by such marking of the boundary and by the Minister then the boundary as so marked shall be deemed to be the boundary of the lands comprised within this Authority to Prospect.

Failing acceptance as aforesaid then the Minister may determine the location of the boundary in relation to the marks and thereupon the boundary as so determined shall be deemed to be the boundary of the lands comprised within this Authority to Prospect.

4. SURVEY OF BOUNDARY:

The survey of the boundary shall be made by a surveyor registered under the Surveyors Act 1977 to 1978.

The survey and the marking of the boundary shall be made in accordance with the Act and the Surveyors Act 1977 to 1978 Where the Minister considers that no appropriate or clear directions are given under the above Acts then the survey and marking shall be as the Minister may direct.

The Holder shall lodge with the Minister a plan, field notes and computations of the survey all certified as correct by the surveyor who made the survey.



5. RIGHT TO PROSPECT:

The Holder shall during such term have the right to prospect the said lands including topographical, geological and geophysical examinations and aerial surveys and scout and deep test drilling as may from time to time in the opinion of the Holder be appropriate for the purpose of determining the existence or otherwise of petroleum deposits and their extent and nature in the said lands. This Authority to Prospect shall not confer any right of ownership to the said petroleum upon the Holder and all such petroleum shall remain the property of the Crown. The Holder may produce and dispose of petroleum from the said lands only to the extent approved by the Minister in writing.

6. DEPOSIT:

The Holder before the date hereof shall deposit with the Minister a sum of ....Four thousand dollars (\$4,000)..... (the receipt of which sum is hereby acknowledged) to be held by the Minister as a guarantee that the provisions of the Act and the terms, conditions, provisions and stipulations of this Authority to Prospect on the part of the Holder to be performed or observed will be performed and observed by the Holder.

Subject to the performance and observance by the Holder of the provisions of the Act and the terms, conditions, provisions and stipulations of this Authority to Prospect on the part of the Holder to be performed or observed, such deposit shall be refunded to the Holder upon the expiration or prior determination (other than by cancellation as hereinafter provided) of this Authority to Prospect.

7. RENTAL:

The Holder shall pay to the Minister before each of the dates tabulated below in this clause the sum in Australian currency set opposite such date as rental for the lands subject to this Authority to Prospect. Receipt of the rental for the first date tabulated below is hereby acknowledged by the Minister. -

<u>Date</u>	<u>Rental</u>
.....1st June, 1982.....	.....\$685.00.....
.....1st June, 1983.....	.....\$5.00 per Block.....
.....1st June, 1984.....	.....\$5.00 per Block.....
.....1st June, 1985.....	.....\$5.00 per Block.....
.....	.....
.....	.....

8. EXISTING RIGHTS:

Subject to the provisions of the Act, this Authority to Prospect shall be subject and without prejudice to all rights, powers, privileges and property of all and every person and corporation under or in respect of any Crown grant, certificate of title, lease, claim or mining tenement, now or at any time during the term of this Authority to Prospect existing in respect of any part of the said lands.

9. WORK AND EXPENDITURE:

During the said term the Holder shall continuously prospect the said lands in accordance with the provisions of Clause 5 hereof, and conduct such other investigations as the Minister may approve in writing, and shall during each period tabulated below so long as this Authority to Prospect shall remain in operation bona fide expend or cause to be expended in such prospecting and investigations not less than the sums of money set opposite such period, all such sums of money to be measured in Australian currency -

<u>Period</u>	<u>Commencing</u>	<u>Not less than</u>
One (1) year.....	1st June, 1982.....	\$50,000.....
One (1) year.....	1st June, 1983.....	\$475,000.....
One (1) year.....	1st June, 1984.....	\$1,000,000.....
One (1) year.....	1st June, 1985.....	\$750,000.....
.....	.....	.....
.....	.....	.....

Provided that upon the surrender of this Authority to Prospect in accordance with Clause 22 hereof the minimum expenditure for the period in which such surrender is made shall be reduced in the ratio that the portion of the period remaining after the date of such surrender bears to the entire period.

10. GUARANTEE:

When required by the Minister, the Holder shall, in respect of each period referred to in Clause 9 hereof, lodge with the Minister a security or provide a surety acceptable to the Minister for the amount to be expended during the period under the terms of this Authority to Prospect. If at the end of such period the Minister is of the opinion that the Holder has not fulfilled the conditions of the Authority to Prospect in respect of work and expenditure on the Authority to Prospect during such period, the Minister may at his sole discretion forfeit the security or such amount of the security as shall be required by the Minister to satisfy the obligations of the Holder hereunder or may require the surety to pay to the Minister a sum not exceeding the amount to be expended during that period. Any moneys so forfeited shall be paid to Consolidated Revenue.

11. REPORTS:

The Holder shall furnish to the Minister a written report giving full particulars of the prospecting and other approved investigations described in Clauses 5 and 9 hereof and of the expenditure thereon during each succeeding six-monthly period of the term of this Authority to Prospect and shall deliver such report to the Minister within one month of the end of such period.

The Holder shall furnish to the Minister a written report accompanied by relevant maps, sections, charts and other data giving full particulars of the information obtained from all operations in connection with such prospecting and other approved



investigations during each period of two years of the term of this Authority to Prospect and shall deliver such report to the Minister before the expiration of six months from the end of such two-yearly period or the expiration or prior determination of the term of this Authority to Prospect whichever shall be the sooner.

In respect of every area excluded from the lands the subject of this Authority to Prospect in accordance with Clause 2 hereof, the Holder shall furnish to the Minister a written report accompanied by relevant maps, sections, charts and other data giving full particulars of the information obtained from all operations in connection with such prospecting and other approved investigations of the excluded area during the term of this Authority to Prospect up to the time of such exclusion and shall deliver such report to the Minister before the expiration of six months from the time of such exclusion.

Unless otherwise approved by the Minister, all reports required under this clause shall be in the English language, shall give the information required in a clear manner, and shall be suitable for permanent record.

12. APPLICATION OF PETROLEUM ACT 1923 - 1981 AND "THE PETROLEUM REGULATIONS (LAND) 1966"

The Holder shall during the said term comply with the provisions of the Petroleum Act 1923 - 1981 and "The Petroleum Regulations (Land), 1966" and any Act in amendment thereof or substitution therefor in and about all works and operations of the Holder on the specified area.

13. USE OF RADIOACTIVE SOURCE

Where equipment or an instrument incorporating a radioactive source is used the Holder shall ensure that:-

- (a) the owner/operator of the equipment or instrument holds the appropriate license;
- (b) if the equipment or instrument is damaged or lost the State Mining Engineer is notified within twenty-four hours. The report shall include details of the action which has been or is being taken to recover the lost equipment or instrument.
- (c) if steps taken to retrieve equipment or an instrument lost in a drill hole are unsuccessful, the site is clearly identified and accurately surveyed.

14. PROTECTION OF ROADS, RAILWAYS, TELEPHONE AND POWER TRANSMISSION LINES AND CABLES, RADIO AND TELEVISION MASTS AND PIPELINES:

This Authority to Prospect shall not be taken to authorise interference with any road, railway, telephone or power transmission line or cable or radio or television mast or pipeline, which shall not be affected in any way by operations performed by virtue of this Authority to Prospect.

15. FORESTS AND NATIONAL PARKS:

The Holder shall not enter on any State Forest or Timber Reserve or National Park or Scenic Area for any of the purposes of this Authority to Prospect without the prior written consent of the Conservator of Forests and then only under the conditions fixed by the Conservator of Forests.



16. ABORIGINAL RESERVES:

The Holder shall not enter on any Aboriginal Reserve for any of the purposes of this Authority to Prospect without the prior written consent of the Director of Aboriginal and Islanders Advancement and then only under the conditions fixed by the Director of Aboriginal and Islanders Advancement.

17. ENTRY ON LAND:

The Holder before entering on any land pursuant to this Authority to Prospect shall give to the owner, holder or occupier of such land notice either personally or in such form and in such manner as the Minister shall approve either generally or in a particular case.

18. AUTHORITY TO BE PRODUCED:

Any agent, servant or employee of the Holder entering upon any land pursuant to this Authority to Prospect shall carry and when lawfully required shall produce a written authorisation issued by the Holder in a form approved by the Minister.

19. ABORIGINAL ARTIFACTS AND HISTORICAL SITES:

The Holder shall not damage or interfere with aboriginal artifacts or historical sites without the written permission of the Minister and shall notify the Minister of any such artifacts or sites that the Holder may discover so that they may be properly preserved.

20. RIGHT TO ACQUIRE LEASES:

Upon establishing to the satisfaction of the Governor in Council that payable deposits of petroleum have been discovered within the limits of the lands covered by this Authority to Prospect, the Holder shall be entitled as of right to the grant to it of petroleum leases thereover in accordance with the Act.

21. TRANSFER:

Any interest in this Authority to Prospect shall not, except with the written approval of the Minister first had and obtained, be capable of being assigned, transferred, mortgaged, charged or created. Any land the subject of an interest as provided above shall be described in accordance with Section 28 (2) (b) of the Act.

22. CONTINUANCE OF EXISTING PROCLAMATION:

The lands described in the Schedule hereto and proclaimed as aforesaid not to be open to permit or lease (except such portion or portions thereof as shall be excluded from the operation of this Authority to Prospect in manner herein provided) shall continue during the term of this Authority to Prospect to be declared as not open to permit or lease under the Act to any person or company other than the Holder.

23. CANCELLATION ON DEFAULT:

If at any time the Holder shall make default in the performance or observance of any of the provisions of the Act or of any term, condition, provision or stipulation herein contained and on the part of the Holder to be performed or observed and shall fail to remedy such breach or default within three (3) months after written notice by the Minister has been delivered or sent by post to the Holder at his registered office or principal place of business in Queensland calling upon the Holder to remedy such breach or default or if the Holders (being a company) shall be wound up or if an effective resolution is passed for its winding up (not being in any case a winding up for the purpose of reconstruction or amalgamation) or if the Holder shall assign transfer mortgage charge or create an interest in this Authority to Prospect or attempt to do so without the written consent of the Minister first had and obtained, the Minister may immediately thereupon cancel and determine this Authority to Prospect thereupon any balance of deposit then held by the Minister shall be absolutely forfeited to the Crown. Notice of such cancellation shall be sent by post to the Holder at his registered office or principal place of business in Queensland and shall be deemed to have been received by the Holder at the time when such notice would in the ordinary course of post have been received by the Holder and the fact that any such notice shall not have been received by the Holder shall not invalidate or affect such cancellation.

24. SURRENDER:

If the Holder shall have performed and observed all of the provisions of the Act and all of the terms, conditions, provisions and stipulations herein contained and on the part of the Holder to be performed or observed, the Holder may at any time by notice in writing to the Minister of his intention so to do surrender forthwith this Authority to Prospect and thereupon all of the Holder's obligations under this Authority to Prospect shall cease and be at an end except that the obligations of the Holder under Clauses 7, 9 and 11 hereof and the rights of the Minister under Clause 10 hereof for the period referred to in Clause 9 hereof during which such notice is given shall not be affected in whole or in part thereby. Any balance of deposit then held pursuant to Clause 6 hereof shall be refunded by the Minister to the Holder when the Holder has complied with Clauses 7, 9 and 11 hereof.

25. USE OF WATER:

When taking water from any natural source in accordance with the Act, the Holder shall leave sufficient water for the reasonable domestic and stock requirements of persons residing or travelling in the vicinity. Any dispute regarding such taking of water may be referred to the Warden who may determine the quantity of water that may be taken by the Holder and the manner of taking such water, and the Holder shall abide by such determination.



SCHEDULE

That part of the State of Queensland within the boundaries of the Blocks and Sub-Blocks as defined and as shown on Department of Mines Block Identification Map - Series B and as set out hereunder, but exclusive of the lands comprised in Authorities to Prospect, Permits and Leases granted or issued under the Petroleum Act 1923 - 1981 which are in existence on 1st June, 1982.

## BLOCK IDENTIFICATION MAP - SERIES B

## BRISBANE

137 Blocks

## Blocks

1254 - 1256	(both includ)
1326 - 1334	"
1398 - 1406	"
1470 - 1477	"
1543 - 1549	"
1615 - 1622	"
1687 - 1695	"
1759 - 1766	"
1831 - 1838	"
1903 - 1910	"
1975 - 1981	"
2048 - 2054	"
2120 - 2126	"
2192 - 2198	"
2266 - 2270	"
2338 - 2342	"
2411 - 2414	"
2483 - 2486	"
2555 - 2558	"
2627 - 2631	"
2699 - 2703	"

Exclusive of the area within the Queensland Adjacent Area.

DATED at BRISBANE this *Third* day of *April*, 1982.

s.73 Irrelevant information

IVAN J. GIBBS  
MINISTER FOR MINES AND ENERGY