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NUMBER 5090

PEL 5 AND PEL 6, TINGA TINGANA BLOCK

**BLOCK REPORTS FOR THE PERIOD
APRIL 1983 TO JULY 1992
(JOINTLY WITH MURTA BLOCK)**

Submitted by

**Delhi Petroleum Pty Ltd and Santos Ltd
1992**

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**MINES AND ENERGY
SOUTH AUSTRALIA**



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ENVELOPE 5090

TENEMENT: PEL 5 and PEL 6, Tinga Tingana Block; Eromanga and Cooper Basins

TENEMENT HOLDER: Delhi Petroleum Pty Ltd (operator), Santos Ltd, Vamgas Ltd, South Australian Oil and Gas Corporation Pty Ltd and Hartogen Energy Ltd

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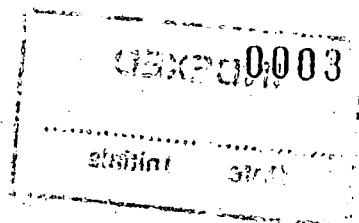
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REVIEW OF THE
MURTA AND TINGA TINGANA BLOCKS

O.J.W. Bowering
April 1983

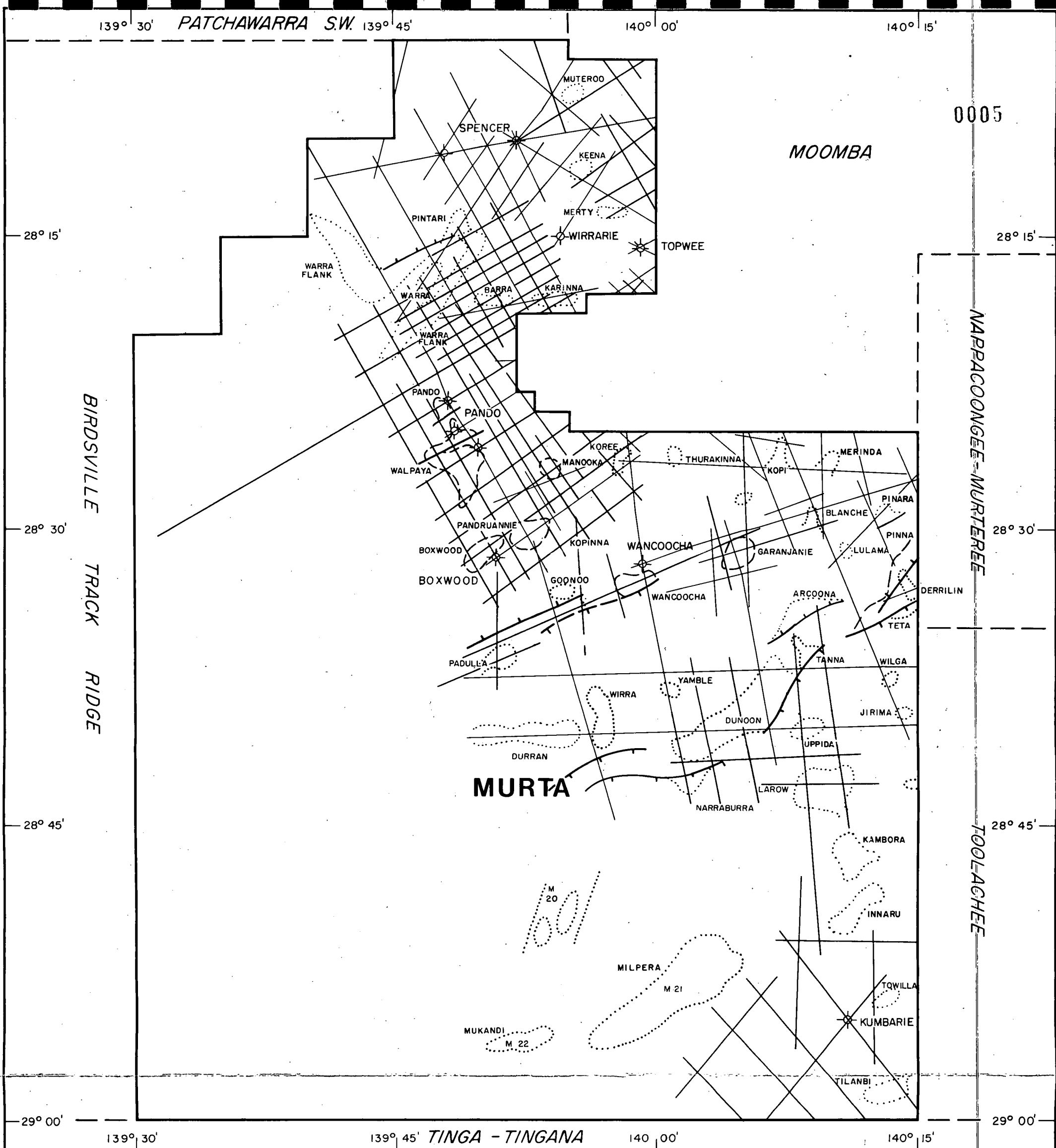
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DELHI PETROLEUM PTY LTD

MURTA

BLOCK

INDEX MAP

LEADS & PROSPECTS

5 0 5 10 15 km.

Dwg. No. 82XP-1264 DRAFTED. D.R.O.
INTERP. Q.J.W.B.
DATE. MAY 83

Figure 1

SEISMIC COVERAGE

— 1973-1981
- - - 1982

○ WELL, SITE OR DRILLING
★ DRY WELL
★ OIL SHOW
★ GAS SHOW
● OIL WELL
★ GAS WELL

LEGEND

▨ FIELD
▨ POSSIBLE FIELD
▨ PROSPECT
▨ LEAD

REVIEW OF THE MURTA AND TINGA TINGANA BLOCKS

SUMMARY

The reserves potential of presently mapped prospects and leads in the Murta and Tinga Tingana blocks is estimated to be 22.0 MM bbls of oil, 58.5 BCF of gas and 8.0 MM bbls of gas liquids. These potential reserves are contained within Mesozoic and Permian sediments in a total of 6 prospects and 49 leads. These reserves are disposed as follows:

- (a) 8.2 MM bbls of oil, 10.5 BCF of gas and 1.5 MM bbls of gas liquids contained in 6 prospects (see Table 1) discounted by 90%, assuming a 10% success ratio.
- (b) 10.8 MM bbls of oil, 22.5 BCF of gas and 3.2 MM bbls of gas liquids contained in 13 strong leads. These figures are derived by halving the total potential reserves, on the assumption that 60% of these leads will mature into drillable prospects, and then discounting by a further 90%.
- (c) 3.0 MM bbls of oil, 25.5 BCF of gas and 3.3 MM bbls of gas liquids contained in 34 weak leads. These figures are derived by assuming that 20% of the weak leads will mature into prospects and then multiplying by a risk factor of 10% for the Murta block and 5% for the Tinga Tingana block.

These estimates of reserve potential must be regarded as approximate only, particularly as applied to weak leads, where in many cases, very approximate estimates only of areas under possible closure can be made.

This estimate of reserve potential is based upon data available as at 31 December 1982 and is subject to further review as additional data becomes available and further interpretations to existing data are made. It does not include potential accumulations that may be contained in stratigraphic traps which at this stage, cannot be quantified.

INTRODUCTION

The Murta and Tinga Tingana blocks have been combined for the purposes of this review because they share common ownership of interests.

To date a total of 14 wells have been drilled in the two blocks, all of which have been dry holes. The best result was a small, non commercial gas flow recorded from Topwee No. 1. All wells drilled to test Permian sediments on anticlinal features. In some cases, viz Pando, Wancoocha, Boxwood, wells were located on the flanks of structures where the Permian section was thin or absent from the crest. No wells have been specifically designed to test the Mesozoic section, with the exception of Spencer No. 2 which is considered to have been a valid Mesozoic structural test.

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Many structural leads remain to be tested. Some of these have expression on the 'C' horizon and present possibilities for Mesozoic oil accumulations. Large features such as Dunoon, Larow, Walpaya and Warra, if filled to spill point (which is unlikely) could contain potentially very large volumes of oil. The data over some of these features is generally sparse and much additional seismic work is required to mature them. Because of the widely spaced seismic lines over some of these large features, they appear larger than they probably really are and it is likely that additional more closely spaced lines would break them down into smaller separate features, or negate them altogether. Many weak leads at the extremities of the Tinga Tingana block are mapped as rollover on individual regional lines. These are in areas where thin Mesozoic sediments overlies basement and no attempt has been made to estimate potential reserves of these because of the unprospective nature of these areas.

Future exploration should be directed toward Mesozoic targets, combined where possible with Permian potential. Numerous stratigraphic plays undoubtedly exist within both blocks and stratigraphic studies will be required to define these.

This review summarises previous exploration, the current view of hydrocarbon potential and outlines the prospects and leads and includes a brief description of the geology of the blocks.

(a) <u>Ownership:</u>	Santos Ltd.	45%
	Delhi Petroleum Pty. Ltd.	27%
	Vamgas Ltd	14%
	S.A.O.G.C.	9%
	Hartogen	5%

(b) <u>Areas:</u>	Murta	5937 km ²
	Tinga Tingana	13467 km ²

(c) Wells Drilled:

Spencer 1	1965	Dry hole
Pando 1	1966	"
Tinga Tingana 1	1968	"
Wancoocha 1	1968	"
Boxwood 1	1968	"
Pando 2	1969	"
Wirrarie 1	1969	"
Topwee 1	1969	"
Cherri 1	1970	"
Gurra 1	1970	"
Kumbarie 1	1970	"
Weena 1	1970	"
Pando North 1	1970	"
Spencer No. 2	1981	"

GEOLOGY

(a) Stratigraphy

The Murta and Tinga Tingana blocks are situated at the southwestern end of the Cooper Basin. The edge of the basin extends through the western part of the Murta block. The southern edge of the basin extends along the northeastern part of the Tinga Tingana block. A trough of lower Permian sediments form the southern-most extension of the Cooper Basin through the centre of the block.

The Permian section thins in a general southerly direction, principally by progressive loss from the upper part of the section. In the Tinga Tingana block however, section loss occurs at both the top and bottom. The thickest known Permian section occurs in Tinga Tingana No. 1 (1170') where, although the section is incomplete, a relatively thick section of Patchawarra and Tirrawarra occurs.

The Nappamerri Formation extends over only a small part of the Murta block in its northeastern corner. Elsewhere, the upper part of the Permian sediments are in contact with the Jurassic sandstones of the Eromanga Basin.

The Eromanga Basin sequence extends over both blocks and thins in a general southerly direction. The Jurassic sandstones comprise a major artesian aquifer system. Throughout the Murta block, the Namur and Hutton sandstones are separated by the Birkhead Formation. In the Tinga Tingana block however, except for a thin remnant in the Tinga Tingana No. 1 well, this unit is absent and the Algebuckina Sandstone is recognised as an essentially uniform sandstone section.

(b) Structure

A major SW trending horst block, which forms a southwesterly extension of the Nappacoongee Murteree ridge, is the dominant structural feature within the Murta block. Displacement is up to 1000' by step faulting along its northern flank. Basinward tilting results in a diminishing displacement in a southwesterly direction. Displacement along the southern flank is of the order of 100' to 400'. Permian sediments are either thin or absent from this horst block.

The predominant faulting pattern is parallel to this horst block. A subordinate pattern of complementary faulting in a generally north-westerly direction, results in type of block faulting. This has influenced the subsequent development of growth structures, some of which show a significant thinning or absence of Permian sediments at their crests.

In the Tinga Tingana block on the other hand, the dominant structural feature is a large E-W trending graben extending along its northern boundary. Within this graben there is preserved a thick section of Patchawarra and Tirrawarra sediments. This graben forms the western extension of the Tenappera Trough.

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Beyond the graben, Permian sediments are relatively thin and shelve toward the Cooper Basin margin. Tinga Tingana No. 1, located within the graben, contains the only recorded occurrence of Birkhead Formation within the block indicating that it persisted as a relative low throughout the Jurassic period.

HYDROCARBON PROSPECTS

To date no productive accumulations of oil or gas have been discovered within the Cooper Basin beyond the limits of the Nappamerri Formation. Thus it appears that the presence of Triassic sediments to act as a seal, is a prerequisite for a Permian accumulation. However, this is by no means proven. Beyond the limits of the Nappamerri, the Toolachee Formation is directly overlain by the lowermost Jurassic sandstones and will be unprospective.

The Murteree shale where present, would appear to provide an adequate seal to the Patchawarra Formation. Even where the Murteree Shale is absent, as at Spencer and Weena, suitable thickness of shale can occur within the Patchawarra Formation to provide intraformational seals to the lower part of this unit and/or to the Tirrawarra Formation.

Wells drilled on the flanks of structures to test a Patchawarra pinchout play have been unsuccessful (e.g. Pando, Boxwood and Wancoocha). In each case, the Murteree Shale was present.

The most prospective areas for Permian hydrocarbon accumulations would appear to be in the northeastern corner of the Murta block where Triassic sediments exist and in the western extension of the Tenappera Trough where a relatively thick section of Patchawarra and Tirrawarra is preserved.

The reservoir quality of the Patchawarra and Tirrawarra sandstones is expected to be relatively good in comparison to the deeper basinal areas because of the proximity of these blocks to the margins of the Cooper Basin and the shallower depths of burial of these units.

The Mesozoic sediments would appear to have greater potential for hydrocarbon accumulations than the Permian, particularly for oil. To date, only one well has been drilled specifically to test Mesozoic objectives. Spencer No. 2 was drilled at the crest of a 'C' horizon culmination updip from the No. 1 well. It was unsuccessful. Anticlinal features such as Boxwood, Wancoocha etc. which have previously been drilled on their flanks to test for Permian pinchout plays, present prospects for crestal accumulations for Jurassic oil. In addition to these, very large closures and potential closures have been mapped on the 'C' horizon (e.g. Dunoon, Larow etc.) and these have large maximum potential. Experience has shown however, that Jurassic oil accumulations are likely to be confined to the absolute crests of such features and realistic potential accumulations are considerably smaller (1 to 10 MM bbls).

With the exception of the Jackson field, no Jurassic hydrocarbon accumulations have been discovered beyond the limits of Triassic sediments. The reason for this is not clear, but some doubt must exist as to the thermal maturity of potential Mesozoic source rocks because of their shallow depth of burial, particularly within the Tinga Tingana block. In addition, the absence of the Birkhead Formation from almost the entire Tinga Tingana block, reduces the number of Jurassic objectives essentially to one.

The success rate in both blocks at the time of writing is zero. However the drilling density is very low, being approximately one well per 1400 km². For the estimation of potential reserves, a success factor of 10% is applied to the Murta block and 5% to the Tinga Tingana block.

RESERVE POTENTIAL

In estimating the reserve potential of individual prospects and leads in the Murta and Tinga Tingana blocks, the following assumptions are made:

- i) Crestal oil columns within Jurassic reservoirs do not exceed 30', giving an NEP of 15' over the area of the accumulation.
- ii) Oil recoveries from Jurassic reservoirs are 400 bbls per acre foot.
- iii) For gas and gas liquids recoveries from Permian reservoirs, values of 500,000 cu.ft. per acre foot and 125 bbls per MMCF respectively, are used. These are similar to recoveries from the Daralingie Field.
- iv) 60% of the strong leads will mature into prospects.
- v) 20% of the weak leads will mature into prospects.

The reserve potential of presently mapped prospects and leads is comprised as follows:

8.2 MM bbls of oil, 10.5 BCF of gas and 1.5 MM bbls of gas liquids in 6 prospects.

10.8 MM bbls of oil, 22.5 BCF of gas and 3.2 MM bbls of gas liquids in 13 strong leads.

3.0 MM bbls of oil, 25.5 BCF of gas and 3.3 MM bbls of gas liquids in 34 weak leads.

Thus the total reserve potential for the two blocks becomes: 22.0 MM bbls of oil, 58.5 BCF of gas and 8.0 MM bbls of gas liquids. The disposition between the two blocks is:

Murta	:	21.7 MM bbls oil, 56.5 BCF gas, 7.7 MM bbls gas liquids
Tinga Tingana:		0.3 MM bbls oil, 2.0 BCF gas, 0.3 MM bbls gas liquids

PROSPECTS AND LEADS

The details pertaining to prospects and leads in the two blocks are tabulated in Table 1 below. Oil and gas liquids are quoted in MMSTB, gas in BCF. In the heading under objectives, A refers to Algebuckina Sandstone, N refers to Namur Sandstone, H to Hutton Sandstone, To to Toolachee Formation, P to Patchawarra Formation and T to the Tirrawarra Formation. The postscript (TT) relates to the Tinga Tingana block.

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TABLE 1

a) <u>Prospects</u>	<u>Objectives</u>	<u>Oil</u>	<u>Gas</u>	<u>Gas Liquids</u>
Boxwood	N, H, P	17.1	41	6.1
Garanjanie	H, P	4.8	19.5	2.8
Manooka	N, H, P	8.4	2.5	0.4
Pandrunnie	N, H, P	8.4	28	4.2
Walpaya	N, H	30.8	-	-
Wancoocha	N, H, P	12.6	14	1.8
		<u>82.1</u>	<u>105.0</u>	<u>15.3</u>
b) <u>Strong Leads</u>				
Dirkala	H, P	3.6	12.8	1.8
Dunoon	N, H, P	32.8	59.0	8.7
Durran	H	16.0	-	-
Innaru	N, H	20.0	-	-
Kambora	N, H	24.0	-	-
Koree	N, H, P	15.0	2.5	0.4
Larow	N, H, P	32.4	39	5.8
Merrinda	H, P	1.8	12.5	1.9
Milperra	A, P, T	14.0	225	28.8
Muteroo	P	-	17.5	4.3
Padulla	N, H	8.4	-	-
Uppida	H, P	4.5	6.5	1.0
Wirrah	H	7.2	-	-
		<u>179.7</u>	<u>374.8</u>	<u>52.7</u>
c) <u>Weak Leads</u>				
Arcoona	P	-	50	7.5
Barra	N, H, To, P	-	10	1.2
Blanche	N, H, P	6.6	5.0	0.7
Derrilin	N, H	8.4	-	-
Goonoo	H, P	1.2	5.2	0.8
Jirima	N, H	7.0	-	-
Karinna	P	-	31	4.6
Keena	P, T	-	36	4.4
Kopi	H, P	4.0	4.0	0.6
Kopinna	N, H, P	6.0	4.0	0.6
Lulama	N, H	5.4	-	-
Makoro	P	-	5.0	0.7
Merty	H, To, P	4.8	13	1.6
Mukandi	A, P, T	3.6	30	4.2
Narraburra	H, P	2.0	10	1.5
Pinara	N, P	3.2	37	4.7
Pintari	N, H	6.0	-	-
Takari	A, P, T	10.0	240	30
Taminga(TT)	A, P, T	4.0	7.5	1.0
Tanna	N, H	4.6	-	-
Taroopa(TT)	A, P, T	4.8	95	12
Tataru(TT)	A, P, T	3.6	6.2	0.9
Teeta	H, P	1.6	12	1.9
Tellilya(TT)	P	-	9.0	1.1
Thurakinna	N, H, P	6.0	9.0	1.3
Tilánbi	N, H, P, T	24	31	3.9
Tilkandi(TT)	P, T	-	21	2.8
Tirtala(TT)	A, P	4.4	12	1.6
Tokara	P	-	7.5	1.2

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<u>Weak Leads</u>	<u>Objectives</u>	<u>Oil</u>	<u>Gas</u>	<u>Gas Liquids</u>
Toomulla	A	4.0	-	-
Towanda (TT)	P	-	4.5	0.6
Towilla	N, H, P, T	5.2	11	1.4
Tukinya (TT)	A, P,	10	40	5.0
Warra	N, H, P	24	5.5	0.7
Warra Flank	P	-	600	75
Wilga	H, P	1.2	8.0	1.2
		<u>162.0</u>	<u>1370.4</u>	<u>174.7</u>

Further details pertaining to these prospects and leads are shown on the prospect data sheets contained within Appendix A.

TINGA TINGANA BLOCK

	Recoverable Oil (MMSTB)	Sales Gas (BCF)	Gas Liquids (MMSTB)
<u>WEAK LEADS</u>			
Taminga	4.0	7.5	1.0
Taroopa	4.8	95	12
Tataru	3.6	6.2	0.9
Telliya	-	9.0	
Tilkandi	-	21	2.8
Tirtala	4.4	12	1.6
Towanda	-	4.5	0.6
Tukinya	10	40	5.0

$$\text{Potential of leads} = \text{SF} \times \text{WL} \times \text{MF}_w$$

SF = Success factor = 5%

WL = Total potential of weak leads

MF_w = Maturity factor for weak leads = 0.25

Potential of leads in block

Recoverable oil	0.3 MMSTB
Sales gas	2.5 BCF
Gas liquids	0.3 MMSTB

APPENDIX A

PROSPECT DATA SHEETS

PROSPECT DATA SHEET

0015

Name: ARCOONA (Weak Lead)

Location: Lat. 28° 34' S
Long. 140° 02' E

Block/Basin: Murta/ Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C', 'P', 'V' & 'Z' Structure Maps
'C-P', 'P-V', 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.: Patchawarra

-6000'

Proposed T.D.: 6300'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Large fault trap located on downthrown northern flank of major SW trending horst block devoid of Patchawarra Fm. Feature is tilted to SW where fault displacement increases to a maximum of 1000' on 'Z'. Patchawarra Fm. sands, possibly derived in part by erosion from horst block, may have good reservoir quality. At 'C' and 'P' levels, feature occurs as a broad structural nose and closure may be difficult to establish.

COMMENTS:

Although minor potential may exist within the Mesozoic, Arcoona is a Permian gas prospect. Patchwarra Fm. is somewhat thin with a 'P-V' interval of only 200'.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Patchawarra	40'	2500 acres	50	7.5	

J. Bowering
Jan, 1983

Name: BARRA (Weak lead)

Location: Lat. 28° 18' 00" S
Long. 139° 51' 00" E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Callamurra S.S. 1977

Relevant Maps: 'C', 'P', 'V' and 'Z' Structure maps
'C-P', 'P-V', 'V-Z' and 'P-Z' Isopach mapsObjectives/Depths/Temps.:
Namur 4800'
Hutton 5700'
Toolachee 6250'
Patchawarra 6700'

Proposed T.D.: -6900'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A small eastward plunging nose with potential for closure best developed on the 'P', 'V' and 'Z' horizons. The Namur is listed as a secondary objective although closure may not eventuate and any possible accumulation is likely to be stratigraphically controlled. The Hutton presents a greater possibility for structural trapping. The Toolachee and Patchawarra present wet gas potential with moderate reservoir quality. If the Triassic is absent, the Toolachee Formation is likely to be water filled.

Comments:

The Epsilon presents a possible weak secondary target in the light of Yapeni No. 1 10 km to the SW. Reserves potential within the Namur and Hutton cannot be estimated on present data, but are included here as objectives.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur					
Hutton					
Toolachee					
Patchawarra	50'	400 acres	10	1.25	

J. Bowering
March 1983

PROSPECT DATA SHEET

0017

Name: BLANCHE (Weak Lead)

Location: lat. 28° 29'
Long. 140° 08'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moonba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Namur -4900'
Hutton -5950'
Patchawarra -7100'

Proposed T.D.: 8350'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A NE trending nose with limited potential vertical closure on all horizons. Similarity of shape on all horizons suggest post-Jurassic structural development although minor thinning exists between all horizons except 'C-P'. Most prospective part of the Permian section is likely to be within the lower part of the Patchawarra Fm. where reservoir quality is likely to be fair to moderate. A thin section of Nappamerri may be present but Toolachee likely to be water filled.

Closures quoted below are possible only and are dependent upon closure being established by additional seismic.

'C-P' 1800', 'P-V', 800', 'V-Z' 1150'

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	15'	600 acres			3.6
Hutton	15'	500 acres			3.0
Patchawarra	20'	500 acres	5.0	0.75	

J. Bowering
Feb, 1983

PROSPECT DATA SHEETName: BOXWOOD NO. 2 (Prospect)Location: Lat. 28° 31'
Long. 139° 50'Block/Basin: Murta/Cooper-EromangaMost Recent SeismicDistance ex. Moomba (km):Coverage: Moonlight Flat 1981Relevant Maps: 'C', 'P', 'V' and 'Z' Structure maps

'C-P' and 'P-Z' Isopach maps

Objectives/Depths/Temp's.: Namur 4500', Hutton 5200' (primary)
Patchawarra 5800' (secondary)Proposed T.D.: 6100'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Anticlinal prospect updip from Boxwood No. 1 ideally located to trap hydrocarbons migrating up from southern Cooper Basin source areas. Namur and Hutton present good reservoir properties and are related as primary objectives. Entrapment in Patchawarra relies on Murteree seal and is rated as secondary objective in view of lack of Permian discoveries beyond limits of Nappamerri. Epsilon presents a possible wet gas objective in view of results of Yapeni No. 1 to the north.

Comments: Approx. 10 km of seismic may be required to select optimum location.Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	15'	1500 acres			9.0
Hutton	15'	1350 acres			8.1
Patchawarra	60'	1600 acres	41	6.1	

PROSPECT DATA SHEET

0019

Name: DERRILIN (Weak Lead)

Location: Lat. 28° 33' S
Long. 140° 14' E

Block/Basin: Murta/Cooper Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps: 'C', 'P', 'V' & 'Z' Structure Maps
'C-P', 'P-V', 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.: Namur -4150'
Hutton -4700'

Proposed T.D.: -5200'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

N-S trending anticlinal feature with dual culminations mapped on base of Mesozoic. Feature is located on a large SW trending horst block devoid of Permian sediments. On the 'C' horizon the feature is mapped as a SW trending structural nose. Namur potential is based upon possible closure that may be defined by additional seismic. Hutton potential based upon dimensions of feature at 'Z' level.

COMMENTS:

The large horst block upon which Derrilin is located is the SW extension of the Nappacoongee-Murteree ridge, which in the NM block, is a proven Mesozoic oil domain.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	10'	600 acres			2.4
Hutton	10'	1500 acres			6.0

J. Bowering
Jan. 1983

Name: DIRKALA (Strong Lead)

Location: Lat. 28° 31' S
Long. 140° 02' E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Hutton -5250'
Patchawarra -6400'

Proposed T.D.: -7000'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Eastward trending structural nose defined by rollover on two lines running NS and EW. No structural expression is mapped on 'C'. Full fault controlled closure exists on 'Z' horizon only. Area and vertical relief are 600 acres and 40' respectively on all horizons except 'C'. Dirkala is situated very close to interpreted limit of Triassic the presence of which is conjectural.

COMMENTS:

Permian potential restricted to Patchawarra Fm. where reservoir quality is expected to be fair to good.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ³
Hutton	15"	600 acres			3.6
Patchawarra	40'	600 acres	12.0	1.8	

J. Bowering.
Jan, 1983

PROSPECT DATA SHEET

0021

Name: DUNOON (Strong lead)

Location: Lat. 28° 40' S
Long. 140° 05' E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat S.S. 1981

Relevant Maps: 'C', 'P', 'V' and 'Z' Structure maps
'C-P', 'P-V', 'V-Z' and 'P-Z' Isopach maps

Objectives/Depths/Temp's.: Namur -3400', Hutton -4600',
Patchawarra -4800'.

Proposed T.D.: -5000'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality,
proximity to migration paths, etc.).

Large areal closure at 'C' level breaks up into a few smaller separate closures at 'P' level. Hutton reserve estimates based upon 'P' horizon. Basal Patchawarra reserves based upon 'Z' horizon. Closures are fault controlled at 'P' and 'Z' levels. Potential reserves for Namur quoted below probably unrealistic.

This potentially large prospect is ideally located to entrap oil migrating from the deeper source areas of the Eromanga Basin under the influence of the regional hydraulic water gradient. 'C-P' thinning over much of the feature indicates timely structural growth.

Comments:

Approx. 45 km. of seismic required to mature into a drillable prospect.
Namur and Hutton recovery factors: 400 bbls/ac. ft.
Patchawarra reserves based upon Daralingie field parameters
434,000 ft³/ac. ft. and 148 bbls. liquids/MMCF.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	5	11000 acres			22.0
Hutton	15'	1800 acres			10.8
Patchawarra	50'	2700 acres	59.0	8.7	

J. Bowering July, 1982

PROSPECT DATA SHEET

0022

Name: DURRAN (Strong lead)

Location: Lat. 28° 40'
Long. 130° 53'

Block/Basin: Murta/Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps: 'C', 'P' and 'Z' Structure maps

'C-Z' Isopach map

Objectives/Depths/Temp's.: Namur -3800', Hutton -4500'

Proposed T.D.: -4800'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Large E-W trending structural lead located on horst block bald of Permian sediments at edge of Cooper Basin. Has potential for large accumulations in Mesozoic reservoirs. However, because of low relief, some stratigraphic component of trapping may be required to negate the possibility of flushing, particularly within the Namur.

Comments: Requires approx. 15 km. of seismic to determine whether or not this lead can develop into a bona-fide prospect. Reserve values quoted below possibly unrealistic.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Hutton	10	4000 acres			16.0

Hutton recovery factor: 400 bbls/ac.ft.

J. Bowering July 1982

PROSPECT DATA SHEETName: GARANJANIE (Prospect)Location: Lat. 28° 32' S
Long. 140° 04' EBlock/Basin: Murta/Cooper-EromangaMost Recent SeismicDistance ex Moomba (km):Coverage: Moonlight Flat S.S. 1981Relevant Maps: 'C', 'P', 'V' & 'Z' Structure maps
'C-P', 'P-V', 'V-Z' & 'P-Z' Isopach mapsObjectives/Depths/Temp's.: Namur -4500', Hutton -5500', Patchawarra -6500'Proposed T.D.: -7000' subseaProspect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Anticlinal feature at western end of Nappacoongee-Murteree ridge. Approx. 900 acres are enclosed within approx. 100' of structural closure at 'V' level. Minimal closure at 'C' level downgrades Namur potential. Hutton reserves estimate based upon 'P' horizon structural dimensions.

The location of this prospect at the western end of the oil-bearing Nappacoongee-Murteree trend is favourable for migration of Jurassic oil.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Hutton	15'	800 acres			4.8
Patchawarra	50'	900 acres	19.5	2.8	

PROSPECT DATA SHEET

0024

Name: GOONOO (Weak Lead)

Location: Lat. 28° 33' S
Long. 139° 58' E

Block/Basin: Murta (Cooper-Eromanga)

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps: 'C', 'P', 'V' & 'Z' Structure Maps
'C-P', 'P-V', 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temps.: Hutton -5100'
Patchawarra -5800'

Proposed T.D.: -6500'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A small anticlinal closure mapped on the 'P' and 'V' horizons. Northward plunging nose on 'Z'; no structural expression on 'C'. Feature is located immediately north of a major horst block devoid of Patchawarra Fm. Patchawarra sands in Goonoo may have been derived in part by erosion from horst block, giving rise to good reservoir quality.

Hutton potential based upon structural dimensions on 'P' horizon.

COMMENTS:

'C-P', 1450', 'P-V' 400', 'V-Z' 400'

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Hutton	10'	300 acres			1.2
Patchawarra	30'	350 acres	5.2	0.8	

J. Bowering
Jan, 1983

Name: INNARU (Strong Lead)

Location: Lat. 28° 52' 00" 25
Long. 140° 12'

Block/Basin: Murta/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps: 'C', 'P' and 'Z' Time Structure Maps
'C-P' and 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:	Namur	3800'
	Hutton	4500'
	Patchawarra	4700'
	Tirrawarra	5000'

Proposed T.D.: 5400'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Large NE oriented elongated anticlinal closure located approximately 5 km N of Kumbarie No. 1 mapped on the 'C' horizon. On the 'P' horizon, the Innaru feature embraces the Kumbarie structure which has already tested the Permian section. Minimal untested closure remains on the 'P' horizon and it is unlikely that a structural accumulation will occur within the Permian, which at Innaru, has potential only for a stratigraphically controlled hydrocarbon accumulation.

Comments:

Although the Patchawarra and Tirrawarra Formations are included as objectives, no attempt has been made to estimate potential reserves in these units.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	5'	5000 acres			10.0
Hutton	5'	5000 acres			10.0

J. Bowering
March 1983

PROSPECT DATA SHEETName: JIRIMA (Weak Lead)Location: Lat. 28° 36' S
Long. 140° 08' EBlock/Basin: Murta /Cooper-Eromanga.Most Recent SeismicDistance ex Moonba (km):Coverage: Moonlight Flat 1981Relevant Maps: 'C' 'P' 'V' & 'Z' Structure Maps

'C-P', 'P-V', 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:Namur -4250'
Hutton -4900'Proposed T.D.: 5900'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small N-S oriented anticlinal closure mapped on 'P' horizon only. At 'C' level, feature occurs as an eastward trending structural nose. Little structural development appears on the 'V' and 'Z' horizons and it is unlikely that additional seismic will define a Permian trap. Jirima is a Mesozoic oil play with good reservoir quality expected for the Namur and Hutton sands.

COMMENTS:

Reserves estimated for the Namur are based upon potential closure that may be defined by additional seismic.

'C-P' 1300', 'P-V' 400', 'V-Z' 400'

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	10'	700 acres			2.8
Hutton	15'	700 acres			4.2

J. Bowering
Jan, 1983

Name: KAMBORA (Strong Lead)

Location: Lat. 28° 48'
Long. 140° 15'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps: 'C', 'P' and 'Z' Time Structure Maps
'C-P' and 'P-Z' Isopach MapsObjectives/Depths/Temps.:
Namur 3800'
Hutton 4500'
Patchawarra 4700' approx.
Tirrawarra 5000' approx.

Proposed T.D.: 5400' approx.

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

NW oriented elongate anticlinal closure located approximately 10 km north of Kumbarie No. 1. Kambora is mapped on the 'C' horizon only due to poor data quality at 'P' and 'Z' levels. Depth to 'C' horizon is similar to that at Kumbarie No. 1 and the depths to the Patchawarra and Tirrawarra Formations are interpreted from that well.

Comments:

Potential reserves for the Patchawarra and Tirrawarra have not been estimated because of absence of data on 'P' and 'Z' horizons.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	5'	6000 acres			12.0
Hutton	5'	6000 acres			12.0

J. Bowering
March 1983

PROSPECT DATA SHEETName: KARINNA (Weak Lead)Location: Lat. 28° 18'
Long. 139° 54'Block/Basin: Murta/CooperMost Recent SeismicDistance ex Moomba (km):Coverage: Callamurra S.S. 1977Relevant Maps: 'C', 'P', 'V' and 'Z' Structure maps

'C-P', 'P-V', 'V-Z' and 'P-Z' Isopach maps

Objectives/Depths/Temp's.: Namur 4800', Hutton 5900', Toolachee 6400' (secondary objectives)
Patchawarra 6900' (primary objective)Proposed T.D.: 7100'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Anticlinal lead located approx. 6km from Daralingie field. Lead is ideally situated to entrap hydrocarbons migrating up from surrounding low, potentially generative areas. Lower Patchawarra sands have potentially a considerably greater area under closure. Lack of identifiable closure at 'C' horizon downgrades Mesozoic prospects.

Comments: Thickness of Patchawarra possibly exceeds 300' and exhibits good potential for wet gas. Requires approx. 15 km. of seismic to select optimum location.Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Patchawarra	80'	900 acres n	31.2	4.6	

Patchawarra reserves based upon Daralingie field parameters:
434,000 ft.³/ac.ft. and 148 bbls. liquids/MMCF

Name: KEENA (Weak Lead)

Location: Lat. 28° 11'
Long. 139° 55'

Block/Basin: Murta/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Callamurra S.S. 1977

Relevant Maps:

'C', 'P', 'V' and 'Z' Structure Maps
'C-P', 'P-V', 'V-Z' and 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Patchawarra -6300'
Tirrawarra -6600'

Proposed T.D.: -6800'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small fault-bound anticlinal feature located 6km SE of Spencer No. 1. The structure at 'C' level is that of a diffuse nose, which appears on existing data to be unlikely to become closed. In the absence of the Triassic, the Toolachee will be water filled and hydrocarbon prospects are confined to the Patchawarra and Tirrawarra. The Patchawarra Fm. may require intra-formational seals due to the possible absence of the Murteree Shale.

Comments:

Keena is 200' structurally lower than Spencer No. 1 at Patchawarra level where it was water filled. It is therefore a high risk Permian gas play. Faulting on its SW flank may provide a barrier to migration, although throw is minimal.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Patchawarra	40'	900 acres	18	2.2	
Tirrawarra	30'	1200 acres	18	2.2	

J. Bowering
March, 1983

PROSPECT DATA SHEET

0030

Name: KOPI (Weak Lead)

Location: Lat. 28° 26' S
Long. 140° 07' E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moonba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Hutton 6450'
Patchawarra 7600'

Proposed T.D.: 9000'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Northward trending structural nose with closure mapped on 'V' only. Feature exhibits no potential closure on 'C' horizon and Mesozoic potential is confined to the Hutton. The Toolachee, if present is likely to be thin and water filled as at Daralingie. Murteree provides an effective seal for the Patchawarra.

Reservoir quality of Patchawarra expected to be reasonable and proximity to Daralingie makes this unit prospective.

COMMENTS:

Hutton closure is potential only and dependent upon closure being defined by additional seismic.

C-p 1900', P-V 900', V-Z 1300'

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 1
Hutton	10'	1000 acres			4.0
Patchawarra	20'	400 acres	4.0	0.6	

J. Bowering
Feb, 1983

PROSPECT DATA SHEET

0031

Name: KOPINNA (Weak Lead)

Location: Lat. 28° 32' S
Long. 139° 56' E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps: 'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Namur	-4550'
Hutton	-5100'
Patchawarra	-6000'

Proposed T.D.: -6500'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small anticlinal closure mapped on 'P', 'V' and 'Z' horizons located east of Boxwood. Vertical closure reaches a maximum of only 70' on 'Z'. On 'C', the feature is mapped as an ill-defined structural nose. Toolachee is absent and Patchawarra is relatively thin (400'). Reservoir quality is expected to be fair to good within the Patchawarra. Feature exhibits P-Z thickening.

COMMENTS:

Closure on Namur is conjectural and the value quoted below is contingent upon definition by further seismic. 'C-P' 1300' 'P-V' 700', 'V-Z' 400'.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 1
Namur	15'	500 acres			3.0
Hutton	15'	500 acres			3.0
Patchawarra	20'	400 acres	4.0	0.60	

J. Bowering
Jan, 1983

PROSPECT DATA SHEET

0032

Name: KOREE (Strong Lead)

Location: Lat. 28° 26' N
Long. 139° 58' E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temps.:

Namur	5250'
Hutton	6150'
Patchawarra	7100'

Proposed T.D.: 7900'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Northward trending structural nose mapped on 'C' and 'P' horizons with small closure on 'V' and 'Z' horizons. Toolachee Fm. if present, is likely to be thin and flushed due to thinness of Triassic cover. Murteree Fm. is considered to provide adequate seal for Patchawarra Fm. Reservoir quality should be fair to good. Total Permian thickness 1600'.

COMMENTS:

Namur and Hutton values are potential closures should additional seismic mature this lead into a valid Mesozoic prospect.

'C-P' 1700', 'P-V' 800', 'V-Z' 700'

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ³
Namur	15'	1800 acres			10.8
Hutton	15'	700 acres			4.2
Patchawarra	10'	500 acres	2.5	0.38	

J. Bowering
Jan. 1983

PROSPECT DATA SHEETName: LAROW (Strong Lead)Location: Lat. 28° 43'
Long. 140° 10'Block/Basin: Murta /Cooper-EromangaMost Recent Seismic
Coverage: Moonlight Flat 1979Distance ex Moomba (km):Relevant Maps: 'C', 'P', and 'Z' Horizon Structure maps

'C-P' and 'P-Z' Isopach maps

Objectives/Depths/Temps.: Namur -3600', Hutton -4600' (primary)
Patchawarra -4800' (secondary)Proposed T.D.: -5000'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Large anticlinal feature located near southern margin of Cooper Basin, beyond limit of Triassic cover. Namur and Hutton sands have excellent reservoir properties but feature requires greater structural relief at 'C' horizon to upgrade prospect. Patchawarra is thin and possibly locks a seal and presents a poor secondary objective.

Comments: Approx. 43 km. of seismic is required to mature this lead into a drillable prospect. Reserves estimates quoted below are maximum possible and probably unrealistic.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	10'	3600			14.4
Hutton	10'	4500			18.0
Patchawarra	60'	1500	39.0	5.8	

Namur and Hutton recovery factors: 400 bbls/ac.ft.

PROSPECT DATA SHEET

0034

Name: LULAMA (Weak Lead)

Location: Lat. 28° 31' S
Long. 140° 11' E

Block/Basin: Murta /Cooper Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Namur -4850'
Hutton -5850'

Proposed T.D.: 6250'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small anticlinal closure mapped on the 'C' horizon only. No structural expression exists on 'P'. On 'V' and 'Z' horizons feature actually occurs within a structural low and no Permian structural trap exists. Feature has potential for Mesozoic oil only.

Reservoir quality of Mesozoic sandstones is expected to be good. Closure at Hutton level is conjectural. Feature is quite small with only 450 acres of areal closure and 30' of vertical relief.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	15'	450 acres			2.7
Hutton	15'	450 acres			2.7

J. Bowering
Jan, 1983

PROSPECT DATA SHEET

0035

Name: MAKORO (Weak Lead)

Location: Lat. 28° 30' S
Long. 139° 58' E

Block/Basin: Murta /Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C', 'P', 'V' & 'Z' Structure Maps
'C-P', 'P-V', 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.: Patchawarra -6500

Proposed T.D.: -7100

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Fault bound anticlinal closure mapped on Z horizon. At 'V' level, feature occurs as an eastward plunging structural nose. Trapping potential, as presently mapped, appears to be confined to the lower part of the Patchawarra Formation.

No structural expression exists on 'C' or 'P'. Vertical relief is somewhat limited being approximately 50'.

COMMENTS: Permian gas prospect.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10
Patchawarra	20'	500 acres	5.0	0.75	

J. Bowering
Feb. 1983

PROSPECT DATA SHEET

0036

Name: MANOOKA (PROSPECT)

Location: Lat. 28° 27'
Long. 139° 54'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moonba (km):

Coverage: Moonlight Flat 1981

Relevant Maps: 'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Namur	4750'
Hutton	5650'
Patchawarra	6400'

Proposed T.D.: 6700'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small anticlinal closure mapped on 'P', 'V' & 'Z' horizons. Closure at 'Z' is fault controlled. Structure on 'C' horizon is that of northward trending nose. 'C-P' thinning indicates suitable timing of structural growth. Permian sand quality expected to be good because of relatively shallow basin setting.

COMMENTS:

Area ascribed to Namur closure is that which could arise if additional seismic closes off the base of the nose on the 'C' horizon. Hutton closure based upon 'P' horizon.

'C-P' 1600', 'P-V' 500', 'V-Z' 200'

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ³
Namur	15'	900 acres			5.4
Hutton	15'	500 acres			3.0
Patchawarra	20'	250 acres	2.5	0.38	

J. Bowering
Jan. 1983

PROSPECT DATA SHEET

0037

Name: MERRINDA (Strong Lead)

Location: Lat. 28° 27' S
Long. 140° 12' E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps: 'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.: Hutton -6200'
Patchawarra -7400'

Proposed T.D.: -8800'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small anticlinal closure mapped on 'P', 'V' and 'Z' horizons. No structural expression exists on 'C' horizon. Vertical closure is limited and attains a maximum of only 70' on 'V' and 'Z' horizons. Lower Patchawarra appears most prospective part of Permian section. Thin section of Nappamerri may be present but Toolachee likely to be water filled because of proximity of this lead to the zero edge.

COMMENTS:

'C-P' 1900', 'P-V' 900', 'V-Z' 1500'
Thick 'V-Z' interval suggests possibility of some development of Tirrawarra Sandstone.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 1
Hutton	15'	300 acres			1.8
Patchawarra	50'	500 acres	12.5	1.9	

J. Bowering
Feb, 1983

PROSPECT DATA SHEET

Name: MERTY (Weak Lead)

Location: Lat. 28° 13' 0038
Long. 139° 57;

Block/Basin: Murta/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Callamurra S.S. 1977

Relevant Maps: 'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temps.:

Hutton	-5900'
Patchawarra	-6800'
Toolachee	-6400'

Proposed T.D.: 7200'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A SE trending structural nose with potential closure mapped on the 'P', 'V' & 'Z' horizons. Structural expression on 'C' is weak and it appears unlikely on present mapping that Merty has potential for Mesozoic oil. Being located very near the Triassic zero edge the Toolachee Fm. may be water filled and the more prospective part of the Permian section is likely to be the Patchawarra Fm. from which a gas flow was recorded in the nearby Topwee No. 1 well.

Additional seismic is required to establish closure on the NW flank of this lead. Hutton reserves estimate is based upon potential closure on 'P' horizon.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Toolachee	20'	800 acres	8.0	1.0	
Patchawarra	20'	500 acres	5.0	0.6	
Hutton	15'	800 acres			4.8

J. Bowering
Feb. 1983

Name: MILPERA (Strong Lead)

Location: Lat. 28° 32'
Long. 140° 03'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps:

'C' 'P' & 'Z' Time Structure Maps

'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Algebuckina -3500'

Patchawarra -4800'

Tirrawarra -5400'

Proposed T.D.: -5700'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Large NE trending elongated anticlinal feature located in the southern part of the Murta block. Birkhead Fm. is thin or absent, presenting only one prospective Mesozoic horizon. Although 'C' closure is mapped, absence of Birkhead downgrades Mesozoic section and Milpera is considered primarily as a Permian gas lead, with the Murteree, providing a seal for the Patchawarra. Tirrawarra Fm. is well developed and likely to have reasonable reservoir quality.

Comments:

'Z' horizon data is poor quality over much of this area and lower Permian structure is inferred from 'P' horizon map.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Algebuckina	5'	7000 acres			14.0
Patchawarra	20'	1500 acres	150	18.9	
Tirrawarra	10'	1500 acres	75	9.9	

J. Bowering
February 1983

Name: MUKANDI (Weak Lead)

Location: Lat. 28° 57'
Long. 139° 52'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps:

'C' 'P' & 'Z' Time Structure Maps
'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temps.:

Algebuckina -3600'
Patchawarra -4900'
Tirrawarra -5500'

Proposed T.D.: -5800'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Medium sized E-W trending anticlinal feature with minor fault control at its western extremity. Birkhead Fm. is thin or absent and this downgrades Jurassic potential which is limited to top of Algebuckina. This is essentially a Permian gas play with potentially well developed Patchawarra and Tirrawarra sections. Lack of vertical relief, limits potential gas pay.

Comments:

Shallow depth of burial of Mesozoic source rocks limits potential for Jurassic oil.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Algebuckina	5'	1800 acres			3.6
Patchawarra	20'	2000 acres	20.0	2.8	
Tirrawarra	10'	2000 acres	10.0	1.4	

J. Bowering
February 1983

PROSPECT DATA SHEETName: MUTEROO (Strong lead)Location: Lat. 28° 08'
Long. 139° 54'Block/Basin: Murta/CooperMost Recent SeismicDistance ex Moomba (km):Coverage: Callamurra S.S. 1977Relevant Maps: 'C', 'P', 'V' and 'Z' Structure maps

'C-P', 'P-V', 'V-Z' and 'P-Z' Isopach maps

Objectives/Depths/Temps.: Patchawarra -6100'Proposed T.D.: -6600'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small anticlinal feature with demonstrated closure at 'V' and 'Z' levels, located approx. 6 km. NE of Spencer No. 1 in the southern Cooper Basin beyond the limit of Triassic cover. Structure at 'C' and 'P' levels is that of a NE trending structural nose and lack of four way dip closure as presently mapped, downgrades prospects for structural entrapment of oil in Mesozoic. Patchawarra although more than 300' thick, may directly underlie thin Toolachee and will require an intraformational seal to trap wet gas.

Comments: A small low ranking lead requiring considerable structural enhancement to warrant drilling.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Patchawarra	50	700 acres	17.5	4.3	

PROSPECT DATA SHEET

0042

Name: NARRABURRA (Weak Lead)

Location: Lat. 28° 44' S
Long. 140° 02' E

Block/Basin: Murta /Cooper-Eromanga

Most Recent Seismic

Distance ex Moonba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C', 'P', 'V', & 'Z' Structure Maps
'C-P', 'P-V', 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Hutton -4700'
Patchawarra -5300'

Proposed T.D.: -5600'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A southward plunging structural nose on the southern flank of a major horst block devoid of Patchawarra Fm. No trap exists on 'C' horizon. At 'P', fault displacement is quite small and Hutton potential is conjectural. At 'V' level, closure is ill defined and upper part of Patchawarra Fm. may onlap the horst block. Closure is only mapped on the 'Z' horizon with current mapping and Permian gas potential appears to be restricted to the lower part of the Patchawarra Fm. which in this area is quite thin (200').

COMMENTS:

A rather poor lead with high risk.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ³
Hutton	10'	500 acres			2.0
Patchawarra	20'	1000 acres	10.0	1.5	

J. Bowering
Jan, 1983

PROSPECT DATA SHEETName: PADULLA (Strong Lead)Location: Lat. 28° 36'
Long 139° 56'Block/Basin: Murta/EromangaMost Recent SeismicDistance ex Moomba (km):Coverage: Moonlight Flat S.S. 1979Relevant Maps: 'C' and 'Z' Structure maps

'C-Z' Isopach map

Objectives/Depths/Temp's: Namur -3800' Hutton -4500'Proposed T.D.: -4800'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A NE trending nose at 'C' level with a possible closure of approx. 1000 acres and an interpreted closure of approx. 400 acres at 'Z' level, located approx. 10 km. S of Boxwood on an upthrown horst block devoid of Permian section. Large bounding fault downthrown to the NW by approx. 500' may act as a barrier to migration from deeper areas to the N. Mesozoic sediments may be too shallow for local sourcing of hydrocarbons in this low ranking lead.

Comments: Approx. 16 km. of seismic required to determine whether or not a bonafide prospect exists. Potential reserves possibly unrealistic.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	15'	1000 acres			6.0
Hutton	15'	400 acres			2.4

PROSPECT DATA SHEET

0044

Name: PANDRUANNIE (Prospect)

Location: Lat. 28° 30' S
Long. 139° 52' E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Namur -4450'
Hutton -5200'
Patchawarra -5850'

Proposed T.D.: -6100'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

NE trending anticlinal prospect located NE of Boxwood. Closure on 'C' is limited to only 400 acres and 40' but expands to 2800 acres and 500' at 'Z' where closure is fault controlled and prospect is bounded on both flanks by parallel NE trending faults. Prospect is outside Nappamerri zero edge and Permian potential is limited to Patchawarra Fm. in which reservoir quality is likely to be moderate to good, although section is thin (200').

COMMENTS:

Prospect is approx. 300' lower than Boxwood on 'P'. However Boxwood crest has not been tested. Murteree Shale should provide adequate seal to Patchawarra. Small closure at 'C' limits Mesozoic potential.

'C-P' 1400', 'P-V' 400', 'V-Z' 200'

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x
Namur	15	400 acres			2.4
Hutton	15'	1000 acres			6.0
Patchawarra	20'	2800 acres	28.0	4.2	

J. Bowering
Feb, 1983

Name: PINARA (Weak Lead)

Location: Lat. 28° 29'
Long. 140° 13'

Block/Basin: Murta/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Moonlight Flat

Relevant Maps:

'C', 'P', 'V' and 'Z' Structure Maps
'C-P', 'P-V', 'V-Z' and 'P-Z' Isopach Maps

Objectives/Depths/Temps.:

Namur -4800'
Patchawarra -7400'

Proposed T.D.: -8700'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Fault-bounded NW plunging nose with closure controlled faulting on three sides, located approx. 4 km E of Pinna No. 1. Closure is mapped on the 'Z' horizon only and may therefore be applicable to the lower part of the Patchawarra Fm. only, the Tirrawarra Fm. being absent.

Faulting does not extend to the 'V' horizon and it is unlikely that a trap can be defined within the upper part of the Patchawarra. The structure on 'C' is that of a poorly defined structural nose with limited vertical relief.

Comments:

The potential closure on 'C' quoted below is very approximate at best. The results of Pinna, which is structurally higher than Pinara, make this an essentially high risk Permian gas play.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	10'	800 acres			3.2
Patchawarra	50'	1500 acres	37.5	4.7	

J. Bowering
March 1983

Name: PINTARI (Weak Lead)

Location: Lat. 28° 13'
Long. 139° 48'

Block/Basin: Murta/Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Callamurra S.S. 1977

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach MapsObjectives/Depths/Temp's.: Namur -4450'
Hutton -5600'

Proposed T.D.: 6100'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A small anticlinal closure mapped on the 'C' horizon only, south of the Spencer No. 2 culmination. On all other horizons, Pintari is situated within a structural low and the history of structural growth is somewhat conjectural. The crest of this feature, which has less than 100' of vertical relief is approx. 200' lower than Spencer No. 2 in which the Namur and Hutton are water filled.

COMMENTS: Results of Spencer No. 2 downgrade the prospectivity of this high risk weak lead.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	15'	500 acres			3.0
Hutton	15'	500 acres			3.0

J. Bowering
Feb. 1983

Name: TAKARI (Weak Lead)

Location: Lat. 29° 00'
Long. 139° 52'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps:

'C' 'P' & 'Z' Time Structure Maps
'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Algebuckina -3500'
Patchawarra -4800'
Tirrawarra -5400'

Proposed T.D.: -5700'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

E-W trending anticlinal feature with dual culminations on the 'C' horizons. Vertical relief is approx. 100' on the 'P' horizon, the feature exists as an elongated narrow horst block. Both sounding faults have only minor displacement but approx. 100' of independent vertical closure exists at the northern end of the feature.

Comments:

Section is expected to be similar to that in Tinga Tingana No. 1 with no upper Permian section but a well developed Patchawarra and Tirrawarra section. Birkhead likely to be absent or sandy and there is unlikely to be a seal for the Hutton. Results of Weena No. 1 suggest that quality of Patchawarra reservoirs may at best be only fair.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Algebuckina	10'	2500 acres			10.0
Patchawarra	15'	16000 acres	120	15.1	
Tirrawarra	15'	16000 acres	120	15.1	

J. Bowering
February 1983

Name: TAMINGA (Weak Lead)

Location: Lat. 29° 02'
Long. 140° 11'

Block/Basin: Tinga Tingana/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1979

Relevant Maps:

'C' 'P' & 'Z' Time Structure Maps
'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Algebuckina 3600'
Patchawarra 4600'
Tirrawarra 4700'

Proposed T.D.: 5000'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small anticlinal closure mapped on the 'P' and 'Z' horizons. No closure is mapped on 'C' and Taminga forms a NW plunging nose in conjunction with the Tataru feature. Taminga is located approx. midway between Kumbarie and Cherri and the section is expected to be similar to that in those two wells. The Birkhead is likely to be absent and no seal exists for a Hutton sand.

Comments:

Jurassic potential is speculative and Taminga is essentially a Permian gas lead. Patchawarra is only approx. 100' thick and good sand development is unlikely. Tirrawarra is approx. 200' thick and is likely to have relatively good reservoir quality.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Algebuckina	10'	1000 acres			4.0
Patchawarra	10'	900 acres	4.5	0.6	
Tirrawarra	10'	600 acres	3.0	0.4	

J. Bowering
February 1983

PROSPECT DATA SHEET

0049

Name: TANNA (Weak Lead)

Location: Lat. 28° 36' S
Long. 140° 08' E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Coverage: Moonlight Flat 1981

Distance ex Moonba (km):

Relevant Maps:

'C' 'P' & 'Z' Structure Maps
'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Namur -4250'
Hutton -4800'

Proposed T.D.: -5200'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A small anticlinal feature situated upon a major horst block devoid of Permian sediments. Limited closure is mapped at 'C' level. At 'P' the feature is mapped with dual closure with fault control on its southern flank. Reservoir quality of Namur and Hutton sands is expected to be good.

COMMENTS:

The horst block upon which Tanna is situated forms the SW extension of the Nappacoongee-Murteree Ridge which in the adjacent NM block is a proven Mesozoic oil domain.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 1
Namur	10'	350 acres			1.4
Hutton	10'	800 acres			3.2

J. Bowering
Jan, 1983

Name: TAROOPA (Weak Lead)

Location: Lat. 29° 07' 0050
Long. 140° 20'

Block/Basin: Tinga Tingana/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Carraweena & Murta S.S. 1970

Relevant Maps:

'C' 'P' & 'Z' Structure Maps
'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temps.:

Algebuckina	-3200'
Patchawarra	-3900'
Tirrawarra	-4000'

Proposed T.D.: -4300'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Large NE trending structural nose mapped on the 'P' & 'Z' horizons, defined by rollover on two seismic lines VL & PVB. Located near the edge of the Cooper Basin, the section is anticipated to be similar to but thinner than that in Cherri No. 1. Approx. 100' of Patchawarra and 100' of Tirrawarra are prognosed. Reservoir quality is expected to be reasonable due to proximity to the basin margin. Closure is shown on the 'C' horizon but this is interpretive.

Comments:

A thin Murteree Shale is likely to be present to provide a seal for the Patchawarra.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Algebuckina	10'	1200 acres			4.8
Patchawarra	10'	7000 acres	35.0	4.4	
Tirrawarra	15'	8000 acres	60.0	7.6	

J. Bowering
February 1983

Name: TATARU (Weak Lead)

Location: Lat. 29° 03'
Long. 140° 12'

Block/Basin: Tinga Tingana/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps:

'C' 'P' & 'Z' Time Structure Maps
'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Algebuckina	3600'
Patchawarra	4500'
Tirrawarra	4600'

Proposed T.D.: 4900'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small anticlinal feature mapped on the 'P' & 'Z' horizons. No closure is mapped at 'C' and Tataru forms a NW plunging nose in connection with Taminga. Tataru is located approx. midway between Kumbarie and Cherri and the section is expected to be similar to those two wells. The Birkhead is likely to be absent and no seal exists for a Hutton sand.

Comments:

Although the Patchawarra is thin, (approx. 100') reservoir quality in this and the Tirrawarra is likely to be relatively good due to the basin marginal location. Permian section is dependent upon a thin Murteree Shale for a seal.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Algebuckina	10'	900 acres			3.6
Patchawarra	10'	1000 acres	5.0	0.7	
Tirrawarra	10'	250 acres	1.2	0.2	

J. Bowering
February 1983

PROSPECT DATA SHEETName: TEETA (Weak Lead)Location: Lat. 28° 34' S
Long. 140° 08' EBlock/Basin: Murta /Cooper-EromangaMost Recent SeismicDistance ex Moonba (km):Coverage: Moonlight Flat 1981Relevant Maps:'C', 'P', 'V' & 'Z' Structure Maps
'C-P', 'P-V', 'V-Z' & 'P'-Z' Isopach MapsObjectives/Depths/Temp's.:Hutton -5100'
Patchawarra -6000'Proposed T.D.: -7000'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A southward plunging structural nose on the down thrown side of a major SW trending fault that bounds a major horst block from which the Patchawarra Fm. has been eroded. The feature, which is a simple fault trap occurs within a local thickening of Patchawarra Fm. sediments which abut basement rocks on the fault plane which has a throw of approx. 1500'. Faulting does not extend to 'C' and it is unlikely that a trap exists within the Namur.

COMMENTS:

If upper Patchawarra sands have been derived by erosion from the horst block, it is likely that good reservoir quality will result. Fault displacement is somewhat diminished at 'P' but it is possible that a trap exists at Hutton level although closure is likely to be limited. Primarily a Permian gas prospect.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Hutton	10'	400 acres			1.6
Patchawarra	50'	500 acres	12.5	1.9	

J. Bowering
Jan. 1983

Name: TELLILYA (Weak Lead)

Location: Lat. 29° 13'
Long. 140° 13'

Block/Basin: Tinga Tingana/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Carraweena & Murta S.S. 1970

Relevant Maps:

'C' 'P' & 'Z' Structure Maps

'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Patchawarra -3800'
Tirrawarra -4300'

Proposed T.D.: -4600'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

NE trending anticlinal feature with very limited seismic control mapped on the 'P' horizon only. Feature is located approx. 12 km. S of Cherri No. 1 and the section is prognosed to be similar to but thicker than in that well. However, the Tirrawarra, absent in Cherri No. 1 is prognosed to be present in Tellilya where the total Permian section is approx. 400' thicker. The Murteree Shale is likely to provide an adequate seal for Patchawarra hydrocarbons.

Comments:

Reservoir quality is anticipated to be fair. Data quality on the 'Z' horizon is poor and the Tirrawarra closure is assumed to be similar to that of the Patchawarra for the purposes of estimating reserve potential.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Patchawarra	20'	900 acres	9.0	1.1	

J. Bowering
February 1983

PROSPECT DATA SHEET

0054

Name: THURAKINNA (Weak Lead)

Location: Lat. 28° 26' S
Long. 140° 01' E

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Namur	5150'
Hutton	6200'
Patchawarra	7300'

Proposed T.D.: 8100'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Northward trending structural nose at 'C' and 'P' levels with closure mapped at 'V' and 'Z'. Reservoir quality of Permian sandstones expected to be better than deeper parts of Cooper Basin. Being near the Triassic zero edge, upper Permian section likely to be water filled. Mesozoic sands will have good reservoir quality.

COMMENTS:

Namur and Hutton closures quoted are potential only and contingent upon closure—being established by additional seismic.

C-P 1700', P-V 900', V-Z 700'

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	10'	700 acres			2.8
Hutton	10'	800 acres			3.2
Patchawarra	20'	900 acres	9.0	1.35	

J. Bowering
Jan, 1983

Name: TILANBI (Weak Lead)

Location: Lat. 28° 58'
Long. 140° 12'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps:

'C' 'P' & 'Z' Time Structure Maps
'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temps.:

Namur	3700'
Hutton	4500'
Patchawarra	4600'
Tirrawarra	4900'

Proposed T.D.:

4300'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Large elongate nose mapped on the 'C' horizon approx. 4-7 km south of Kumbarie. Closure is mapped on the 'P' horizon with vertical relief of less than 100'. On the 'Z' horizon the feature assumes quite sharp vertical relief of approx. 300' and occurs along a possible fault zone.

Section is expected to be similar to Kumbarie with a well developed Tirrawarra section.

Comments:

Birkhead is thin and sandy and may provide a poor seal for the Hutton. Namur and Hutton closure quoted below are potential only and require additional seismic to establish. Patchawarra Fm. is dependent upon a thin Murteree Shale to provide a seal.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	10'	3000 acres			12.0
Hutton	10'	3000 acres			12.0
Patchawarra	15'	2000 acres	15.0	1.9	
Tirrawarra	20'	1600 acres	16.0	2.0	

J. Bowering
February 1983

Name: TILKANDI (Weak Lead)

Location: Lat. 29° 13' 0056
Long. 140° 07'

Block/Basin: Tinga Tingana/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Carraweena & Murta S.S. 1970

Relevant Maps:

'C' 'P' and 'Z' Structure Maps
'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Patchawarra -4200'
Tirrawarra -4800'

Proposed T.D.: -5100'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Moderately sized interpretive anticlinal closure with no seismic control, mapped on the 'P' horizon only. No potential closure is mapped on either the 'C' or 'Z' horizons. The total Permian section is approx. 1000' thick and this is prognosed to include 600' of Patchawarra and 200' of Tirrawarra Fm. The Murteree Shale is likely to provide an adequate seal for the Patchawarra Fm. Reservoir quality is expected to be fair.

Comments:

Area of closure on the Tirrawarra Fm. is interpretive only and based upon that of the Patchawarra.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Patchawarra	15'	1800 acres	13.5	1.7	
Tirrawarra	10'	1800 acres	9.0	1.1	

J. Bowering
February 1983

Name: TIRTALA (Weak Lead)

Location: Lat. 29° 10'
Long. 139° 55'

Block/Basin: Tinga-Tingana/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Carraweena & Murta S.S. 1970

Relevant Maps:

Objectives/Depths/Temp's.: Algebuckina -3200'
Patchawarra -4100'

Proposed T.D.: -4800'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A moderately sized NE trending anticlinal feature located approx. 7 km E of Weena No. 1. The feature is defined by rollover on one line only on the 'P' horizon (line FC). On the 'C' horizon the feature is mapped as a NE plunging structural nose, the crest of which appears to be displaced to the SW relative to its position on 'P'. This may be due to interpretive mapping. On the 'Z' horizon Tirtala corresponds to the position of a syncline! - again due to interpretive mapping.

Comments:

The section is expected to be similar to that in Weena No. 1 and approximately 600' of Patchawarra Fm. is prognosed. In the absence of the Murteree Shale, intraformational seals are required to retain hydrocarbons within the Patchawarra. Tirrawarra Fm. is likely to be absent. Generative potential of the Jurassic section is speculative due to shallow depth of burial.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Algebuckina	5'	2200			4.4
Patchawarra	10'	2500	12.5	1.6	

J. Bowering
February 1983

PROSPECT DATA SHEET

0058

Name: TOKARA (Weak Lead)

Location: Lat. 28° 28' S
Long. 140° 05' E

Block/Basin: Murta /Cooper-Eromanga

Most Recent Seismic

Distance ex Moomba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Patchawarra -7300'

Proposed T.D.: -8500'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Tokara is a small NE trending structural nose mapped on the 'V' horizon and has fault-bound closure on Z. No structural expression exists on the 'C' or 'P' horizons. This is a Lower Permian gas prospect with the most prospective zones being sandstones in the lower or basal part of the Patchawarra Fm. For this reason 'Z' horizon dimensions of the prospect are used to estimate reserve potential.

COMMENTS:

'C-P' 1800', 'P-V' 800', V-Z 1100'

imate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ³
Patchawarra	30'	500 acres	7.5	1.2	

J. Bowering
Feb. 1983

Name: TOOMULLA (Weak Lead)

Location: Lat. 29° 07'
Long. 140° 25'

Block/Basin: Tinga Tingana/Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Carraweena Murta S.S. 1970

Relevant Maps: 'C' and 'P' Time Structure Maps
'C-P' Isopach Map

Objectives/Depths/Temp's.: Algebuckina -3100'

Proposed T.D.: -4000'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A northerly plunging structural nose located approximately 20 km E of Cherri No. 1. The feature is situated just beyond the presently mapped edge of the Cooper Basin in this area and it is unlikely that any Permian sediments exist. Structure at the base of the Mesozoic is interpreted to consist of dual anticlinal closures but this is considered conjectural due to the low data density.

Comments:

Permian sediments, even if present, are likely to be too thin to constitute a valid objective. Some doubt must exist as to the generative potential of the Jurassic sediments due to their shallow depth of burial.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Algebuckina	5'	2000 acres			4.0

J. Bowering
March 1983

Name: TOWANDA (Weak Lead)

Location: Lat. 29° 07'
Long. 139° 48'

Block/Basin: Tinga Tingana/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps:

'C' 'P' & 'Z' Time Structure Maps
'C-P' & 'P-Z' Isopach Maps

Objectives/Depths/Temps.:

Patchawarra - 4100'

Proposed T.D.: -4900'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A westerly plunging nose located approx. 7 km south of Weena No. 1. The feature is mapped on the 'P' horizon only with no apparent potential for closure on the 'C' horizon. In the absence of the Murteree Shale, the Patchawarra Fm. is dependent upon intraformational seals to retain hydrocarbons. Vertical relief is limited and is likely to be little more than 50'. Tirrawarra Fm. is absent.

Comments:

Limited vertical closure and absence of Murteree Shale make Towanda a high risk lead. Results of Weena No. 1 in which no shows were recorded, confirms low potential of this feature.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Patchawarra	10'	900 acres	4.5	0.6	

J. Bowering
February 1983

Name: TOWILLA (Weak Lead)

Location: Lat. 28° 54'
Long. 142° 13'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps:

'C' 'P' & 'Z' Time Structure Maps
'C-p' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Namur	3800'
Hutton	4500'
Patchawarra	4700'
Tirrawarra	5000'

Proposed T.D.: 5400'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small anticlinal feature mapped on the 'C' and 'P' horizons with approx. only 100' of vertical relief. Birkhead is thin and sandy and may not provide an effective seal for the Hutton. Towilla is located approx. 4 km NE of Kumbarie which recorded no shows. At the 'Z' horizon and at Tirrawarra level, the feature is fault bound on the flanks and exists as a nose projecting from Kumbarie.

Comments:

The Tirrawarra Fm. is well developed in this area (>300' thick) and is likely to have favourable reservoir properties. The Patchawarra Fm. is dependent upon a thin Murteree Shale for a seal. Tirrawarra closure is potential only.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	10'	500 acres			2.0
Hutton	10'	800 acres			3.2
Patchawarra	15'	800 acres	6.0	0.75	
Tirrawarra	10'	1000 acres	5.0	0.7	

J. Bowering
February 1983

PROSPECT DATA SHEET

0062

Name: TUKINYA (Weak Lead)

Location: Lat. 29° 10'
Long. 139° 50'

Block/Basin: Tinga Tingana/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Accalana S.S. 1970

Relevant Maps:'C' 'P' & 'Z' Time Structure Maps
'C-P' & 'P-Z' Isopach MapsObjectives/Depths/Temps.:Algebuckina -3300'
Patchawarra -4000'

Proposed T.D.: -4800'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

A large NE trending anticlinal feature located south of Weena No. 1 within a trough containing a locally thick section of Patchawarra Fm. (approx. 600'). Although the Murteree Shale is absent, intraformational seals within the Patchawarra may be sufficient to entrap hydrocarbons. Reservoir quality is expected to be fair at best. Tirrawarra Fm. is likely to be absent.

Comments:

The Mesozoic section here may be buried to insufficient depth to be generative and its potential to contain hydrocarbons is conjectural. Tukinya must be regarded primarily as a Permian gas play. The results of Weena No. 1 however, suggest that this is a high risk lead.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Algebuckina	5'	5000 acres			10.0
Patchawarra	10'	8000 acres	40	5.0	

J. Bowering
February 1983

PROSPECT DATA SHEETName: UPPIDA (Strong lead)Location: Lat. 28° 39'
Long. 140° 13'Block/Basin: MurtaMost Recent Seismic Coverage: Moonlight Flat S.S. 1979Distance ex Moomba (km):Relevant Maps: 'C', 'P', 'V' and 'Z' Structure maps
'C-P', 'P-V', 'V-Z' and 'P-Z' Isopach mapsObjectives/Depths/Temps.: Hutton -4900' Patchawarra -5400'Proposed T.D.: -5900'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small anticlinal feature approx. 15 km. S of Pinna No. 1 with interpreted closure on 'P' and 'Z' horizons. Uppida occurs against the W side of a N-S fault with down-to-the-east throw of approx. 200 ft. 'C-P' thinning indicates suitable timing of structural growth. 'V-Z' isopach indicates up to 400' of possible Patchawarra thickness.

Comments: General area shows complex faulting at 'Z' which may be deleterious to migration of hydrocarbons into the feature. Approx. 10 km. of seismic required to mature. At best this would be a single well field.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Hutton	15'	450 acres			2.7
Patchawarra	50'	300 acres	6.5	1.0	

Hutton recovery factor: 400 bbls/ac.ft.

Patchawarra recovery based upon Daralingie field:

434,000 ft³/ac.ft. and 148 bbls. liquids/MMCFJ. Bowering
July, 1982

PROSPECT DATA SHEETName: WALPAYA (Prospect)Location: Lat. 28° 27'
Long. 139° 48'Block/Basin: Murta/EromangaMost Recent SeismicDistance ex Moomba (km):Coverage: Callamurra Seismic Survey 1977Relevant Maps: 'C', 'P', 'V' & 'Z' Structure maps

'C-P', 'P-V', 'V-Z' and 'P-Z' Isopach maps

Objectives/Depths/Temp's: Namur 4400' Hutton 5250'Proposed T.D.: 6000'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

An untested closure updip from Pando No. 2 with vertical relief of less than 100'. Sand development in base of Birkhead Fm. presents interesting secondary objective. Oil show in Murteree Shale in Pando No. 1 presents the possibility of migration of Permian hydrocarbons into the Hutton in the absence of the Nappamerri.

Comments: Patchawarra absent. No appreciable sand development in Murta Mbr. Namur and Hutton parameters : 400 bbl/ ac. ft.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	15'	1800 acres			10.8
Hutton	10'	5000 acres			20

Name: WANCOOCHA NO. 2

Location: Lat. 28° 35'
Long. 139° 58'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Moonlight Flat Seismic Survey 1979

Relevant Maps:

'C', 'P', 'V' and 'Z' Structure maps

'C-P', 'P-V', 'V-Z' and 'P-Z' Isopach maps

Objectives/Depths/Temp's.:

Namur	4500'
Hutton	5200'
Patchawarra	5600'

Proposed T.D.: 5900'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Partly fault controlled anticlinal feature that may contain a thin section of Patchawarra Formation at its crest. Minor hydrocarbon shows were recorded from this unit in Wancoocha No. 1 and if present at the crest, must be regarded as prospective. The Wancoocha prospect is essentially a Mesozoic oil prospect and more than 100' of structural closure remains untested updip from the No. 1 well. Good reservoir quality is expected for Jurassic sandstones.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	15'	900 acres			5.4
Hutton	15'	1200 acres			7.2
Patchawarra	20'	1400 acres	14.0	1.8	

J. Bowering
February, 1983

Name: WARRA (Weak Lead)

Location: Lat. 28° 16'
Long. 139° 46'

Block/Basin: Murta/Cooper-Eromanga

Most Recent Seismic

Distance to Moomba (km):

Coverage: Callamurra S.S. 1977

Relevant Maps: 'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temps.:

Namur	-4350'
Hutton	-5000'
Patchawarra	-5400'

Proposed T.D.: -5800'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Large structural nose plunging to the NE at the SW end of the GMI Ridge. Closure is mapped at the 'Z' horizon only and this feature which is located at the SW edge of the Cooper Basin, is bald of Permian sediments over its crest. Two types of play exist on this large feature; (i) a Permian pinchout play on the flank with the Patchawarra Fm. as the objective and (ii) a Mesozoic structural play at the crest. Within the Permian section the feature is situated upon a wedge shaped horst block.

COMMENTS: The Patchawarra is unlikely to be sealed within the area of 'C' closure and a valid test of the Patchawarra pinchout play may require a location some 4-5km. to the west. Absence of Triassic cover precludes hydrocarbons in the Toolachee.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Namur	10'	3000 acres			12.0
Hutton	10'	3000 acres			12.0
Patchawarra	10'	1100 acres	5.5	0.7	

J. Bowering
Feb 1983

PROSPECT DATA SHEET

Name: WARRA FLANK (Weak Lead)

Location: Lat.
Long.

0067

Block/Basin: Murta/Cooper

Most Recent Seismic

Distance to Moomba (km):

Coverage: Callamarra S.A. 1977

Relevant Maps: 'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.: Patchawarra -5700'

Proposed T.D.: -5900'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

The Patchawarra Fm. pinches out around the perimeter of a large nose formed by the NE plunge of the GMI Ridge beneath the Cooper Basin at its SW extremity. An area of approx. 40,000 acres is enclosed between the upper pinchout edge and the lowest closing contour. The more prospective part of this play is on the northern flank of the nose where the pinchout occurs within an embayment configuration.

COMMENTS: The main problem with this play is the possible absence of a seal over the Patchawarra Fm. In the absence of Triassic, the Murturee Shale must overlap it. If it does not, no trap exists and the Patchawarra will be water filled.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure (acres)	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Patchawarra	30'	40,000 ac	600	75	

J. Bowering
Feb. 1983

PROSPECT DATA SHEET

0068

Name: WILGA (Weak Lead)

Location: Lat. 28° 37' S
Long. 140° 13' E

Block/Basin: Murta /Cooper-Eromanga

Most Recent Seismic

Distance ex Moonba (km):

Coverage: Moonlight Flat 1981

Relevant Maps:

'C' 'P' 'V' & 'Z' Structure Maps
'C-P' 'P-V' 'V-Z' & 'P-Z' Isopach Maps

Objectives/Depths/Temp's.:

Hutton -4900'
Patchawarra -5600'

Proposed T.D.: -6500'

Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Small northward plunging structural nose with limited fault controlled closure mapped on the 'Z' horizon only. No structural expression exists at 'C' level. Small size of feature presents limited Mesozoic oil potential and is regarded primarily as a Lower Patchawarra gas play where intraformational shales provide a potential seal. Additional seismic is required to establish suitable closure.

COMMENTS:

Potential Hutton oil reserves are quite small and the reserves estimate is based upon 'P' horizon dimensions. 'C-P' 1400', 'P-V' 400', 'V-Z' 800'. Thinning is evident in the 'V-Z' interval only.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max. processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Hutton	10'	300 acres			1.2
Patchawarra	40'	400 acres	8.0	1.2	

J. Bowering
Jan, 1983

PROSPECT DATA SHEETName: WIRRAH (Strong lead)Location: Lat. 28° 40'
Long. 139° 57'Block/Basin: Murta/EromangaMost Recent SeismicDistance ex Moomba (km):Coverage: Moonlight Flat S.S. 1979Relevant Maps: 'C', 'P' and 'Z' Structure maps

'C-Z' Isopach map

Objectives/Depths/Temp's.: Namur -3800', Hutton -4500'Proposed T.D.: -4900'Prospect Summary: (Nature of traps, vertical closure, reservoir quality, proximity to migration paths, etc.).

Large N-S structural lead within an upthrown horst block devoid of Permian section. Ideally situated to entrap hydrocarbons migrating out of surrounding relatively deep areas. No closure yet mapped on 'C' horizon makes prospects for Namur somewhat dubious. 'C-Z' thinning indicates suitable timing of structure to entrap Mesozoic oil.

Comments: Hutton reserve estimates based upon 'Z' horizon closure. Requires approx. 20 km. of seismic to mature to drillable prospect.

Estimate of Hydrocarbon Potential:

Formation	Av. NEP	Area of Closure	Sales Gas BCF (max.processing)	Gas Liquids bbl x 10 ⁶	Oil bbl x 10 ⁶
Hutton	10'	1800 acres			7.2

J. Bowering
July, 1982

5090-1

MULKA

MURTA

TOOLACHEE

TINGA-TINGANA

MARREE

ARROWIE

S.A. PEL 586
N.S.W.

5090-1

- | | | |
|--------------------------|---|----------------|
| ◊ WELL, SITE OR DRILLING |  | FIELD |
| ✦ DRY WELL |  | POSSIBLE FIELD |
| ✦ OIL SHOW |  | PROSPECT |
| ✦ GAS SHOW |  | LEAD |
| • OIL WELL | | |
| * GAS WELL | | |

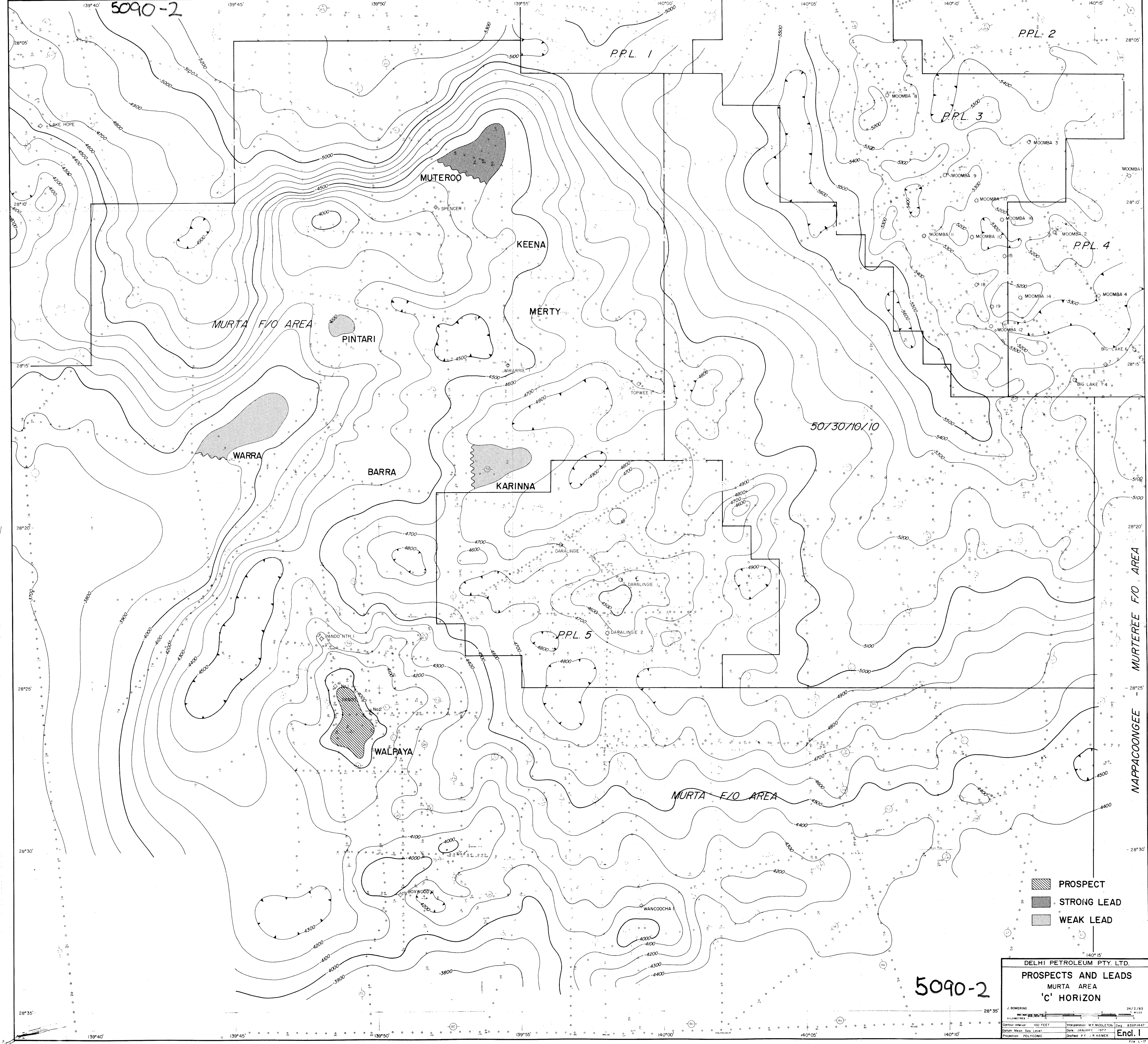
DELHI PETROLEUM PTY LTD
**TINGA-TINGANA
BLOCK**
INDEX MAP
LEADS & PROSPECTS

Dwg. No. 83XP-1276
Figure 2

DRAFTED: L.G.
INTERP: O.J.W.B.
DATE: APRIL 1983

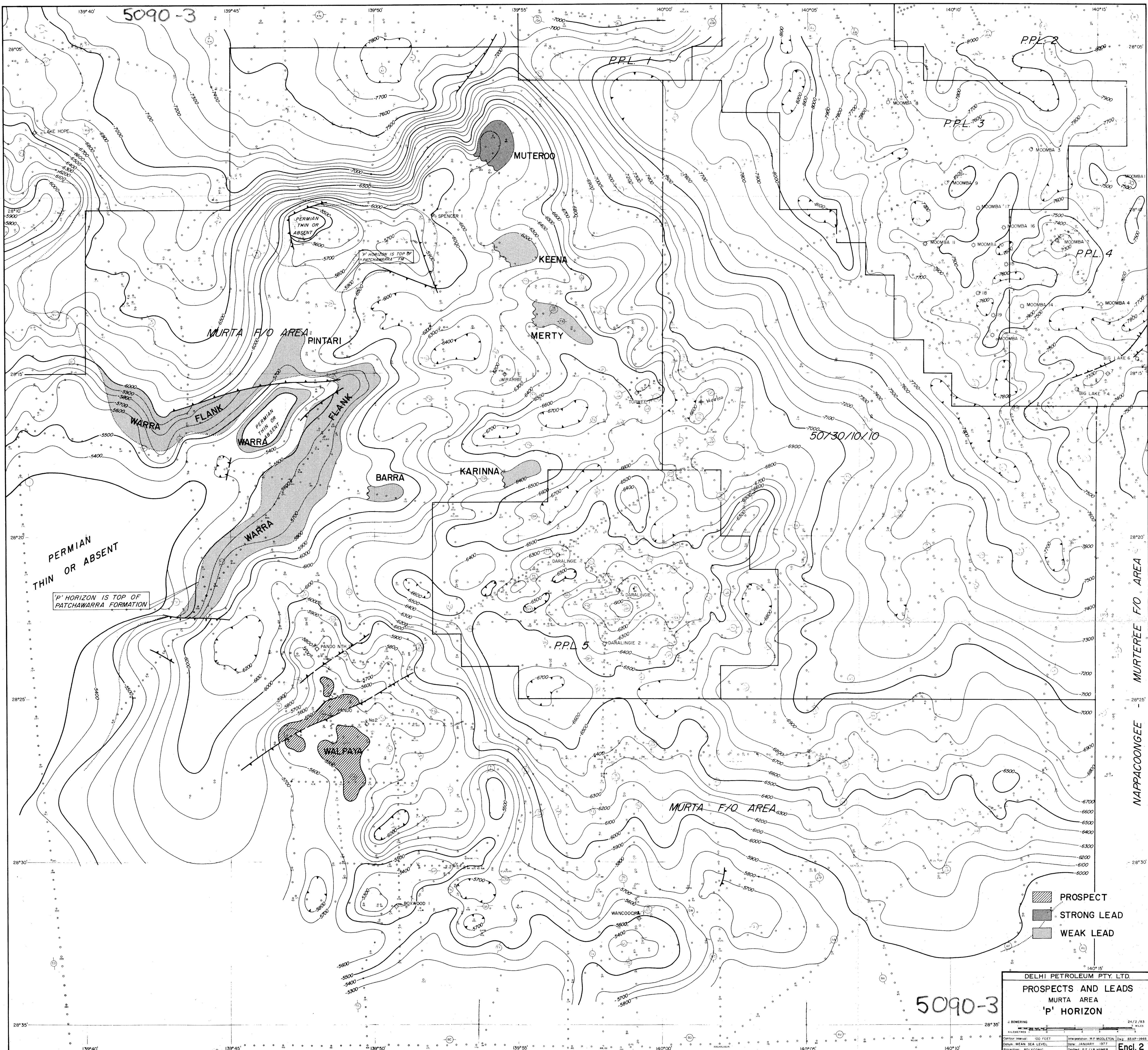
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File RR-7



- PROSPECT
- STRONG LEAD
- WEAK LEAD

DELHI PETROLEUM PTY. LTD.			
PROSPECTS AND LEADS			
MURTA AREA			
'C' HORIZON			
J. BOWERING	24/2/83		
Contour Interval 100 FEET	Interpretation M. P. MIDDLETON	Proj. B3XP447	
Datum Mean Sea Level	Date JANUARY 1977		
Projection POLYCONIC	Drafted P. F. J. R. HAMER		
		Encl. I	File C-77



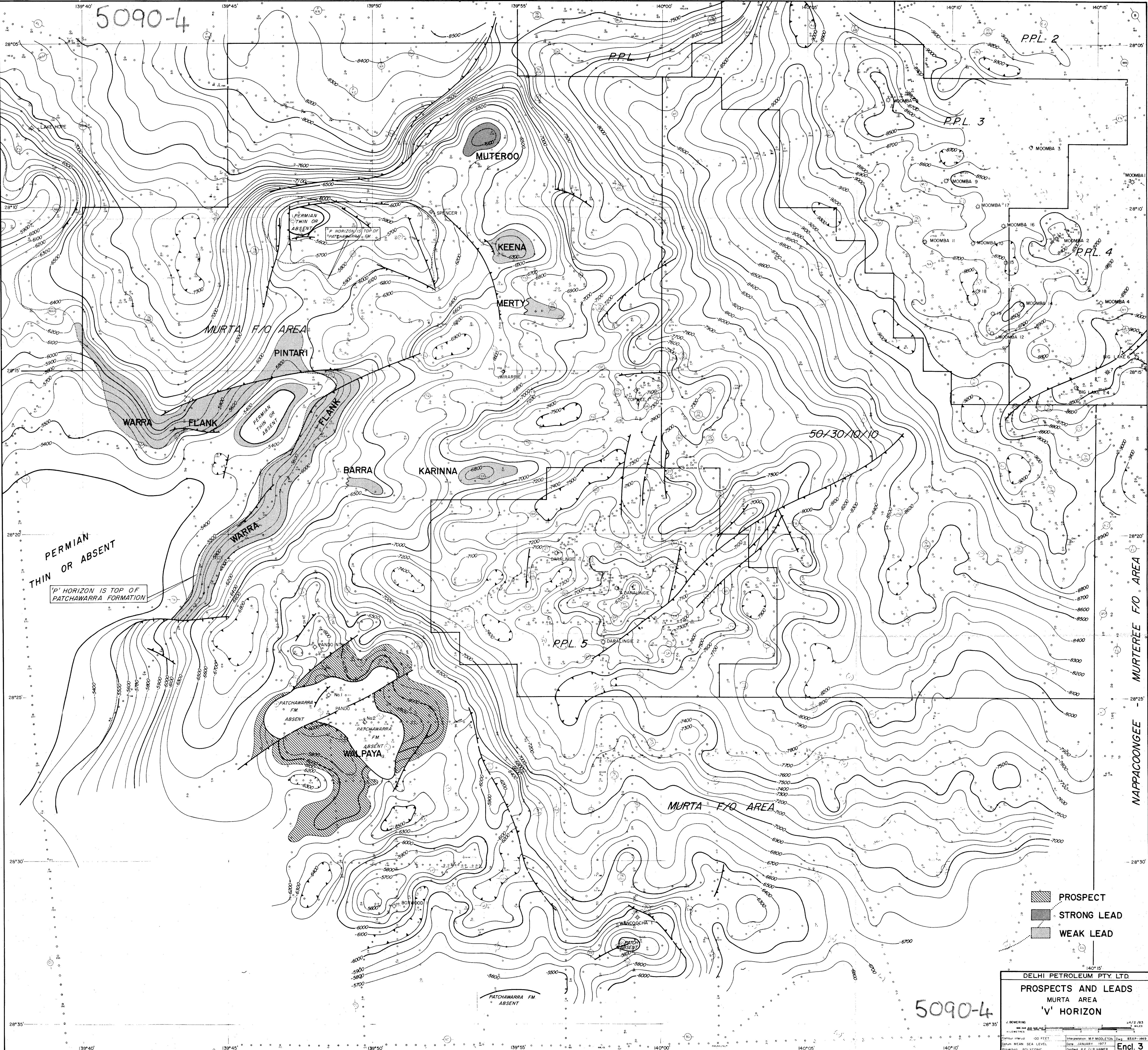
PERMIAN
THIN OR ABSENT
P' HORIZON IS TOP OF
PATCHAWARRA FORMATION

- PROSPECT
- STRONG LEAD
- WEAK LEAD

DELHI PETROLEUM PTY. LTD.
PROSPECTS AND LEADS
MURTA AREA
'P' HORIZON

J. BOWERING
Scale: 1:50,000
Datum: MEAN SEA LEVEL
Projection: POLYCONIC

24/2/83
Interpretation: M.P. MCGLETON
Dated: P.P./J.R. HAMER
Encl. 2



P.P.L. 2

P.P.L. 3

P.P.L. 4

P.P.L. 5

- PROSPECT
- STRONG LEAD
- WEAK LEAD

DELHI PETROLEUM PTY. LTD.
PROSPECTS AND LEADS
MURTA AREA
'V' HORIZON

J. BOWLING
4/2/83
Scale 1:50,000
Datum MEAN SEA LEVEL
Projection POLYCONIC
Encl. 3

5090-5

P.P.L. 2

P.P.L. 3

P.P.L. 4

MUTEROO

KEENA

MERTY

PINTARI

KARINNA

WALPAYA

MURTA F/O AREA

MURTA F/O AREA

MURTEREE F/O AREA

NAPPACOONGEE

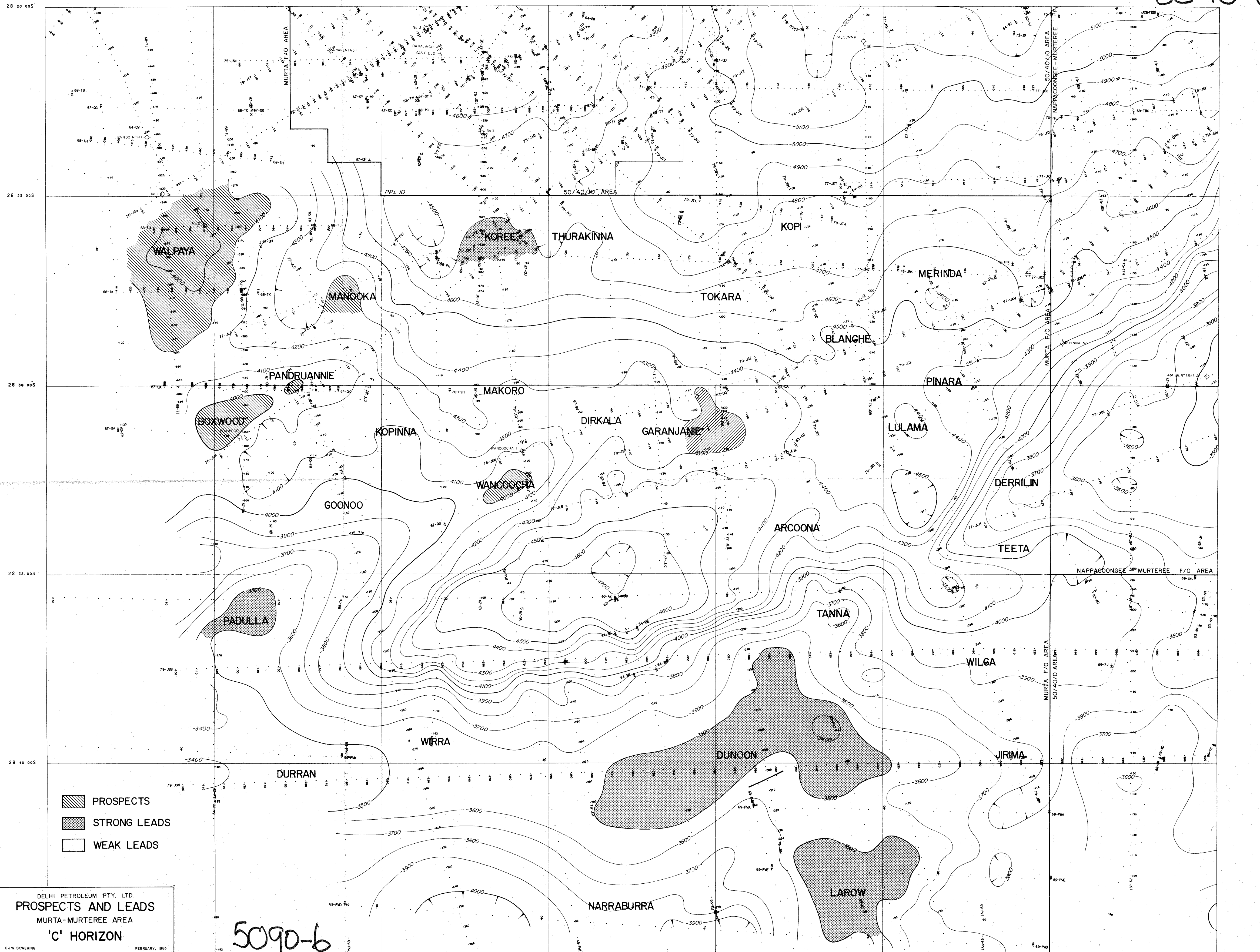
PERMIAN
THIN OR ABSENT

P' HORIZON IS TOP OF
PATCHAWARRA FORMATION

- PROSPECT
- STRONG LEAD
- WEAK LEAD

DELHI PETROLEUM PTY. LTD.
PROSPECTS AND LEADS
MURTA AREA
'Z' HORIZON

SCALE 1:60,000
DATE JANUARY 1977
DRAFTED P.F.J.R. HARMER
Encl. 4

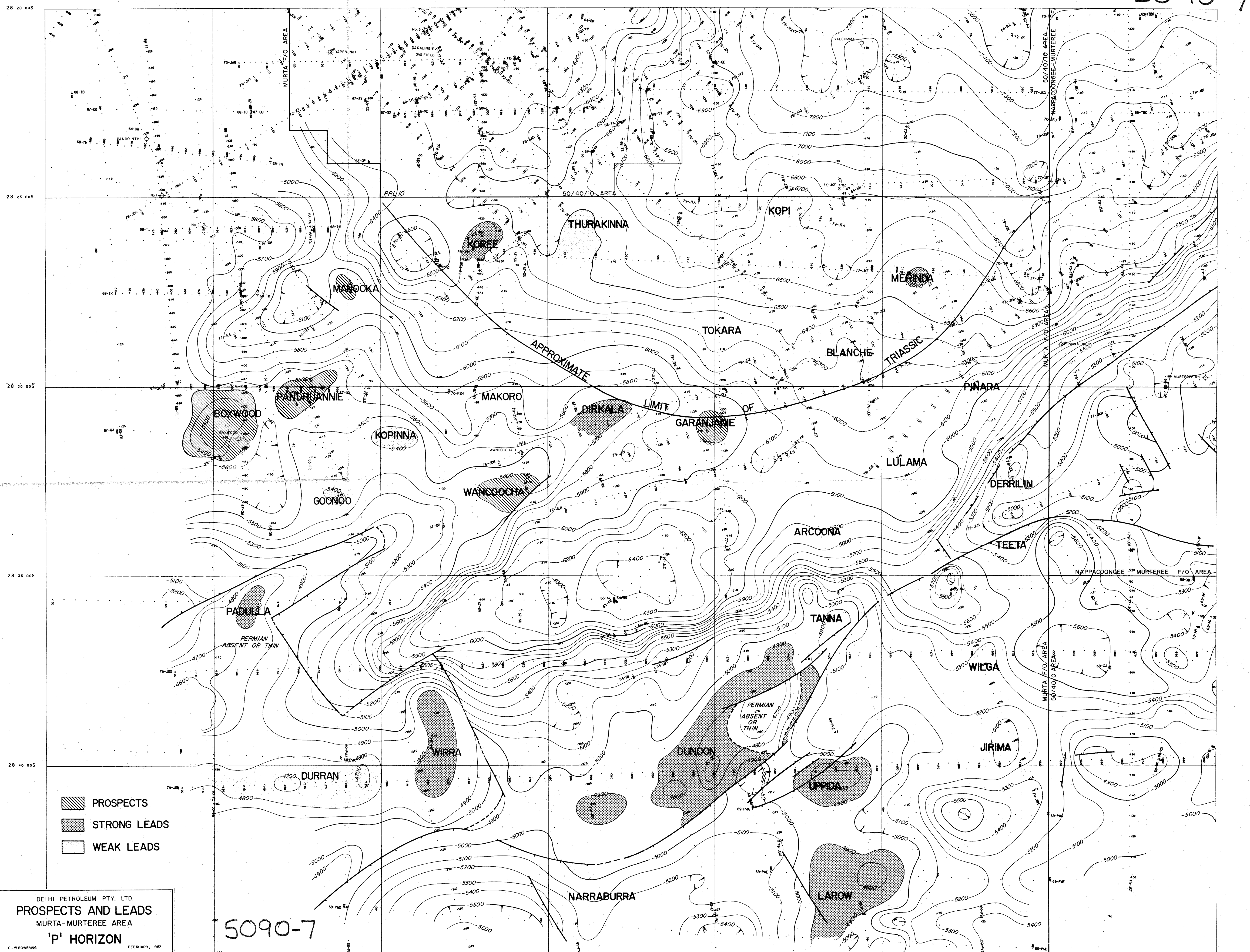


DELHI PETROLEUM PTY. LTD.
PROSPECTS AND LEADS
MURTA-MURTEREE AREA
'C' HORIZON

D.W. BOWERING
FEBRUARY, 1983
Interpretation B.L. S. J.A.I.
Date AUGUST 1981
Dwg. 83KP-1389
Encl. 5

5090-6

5090-7

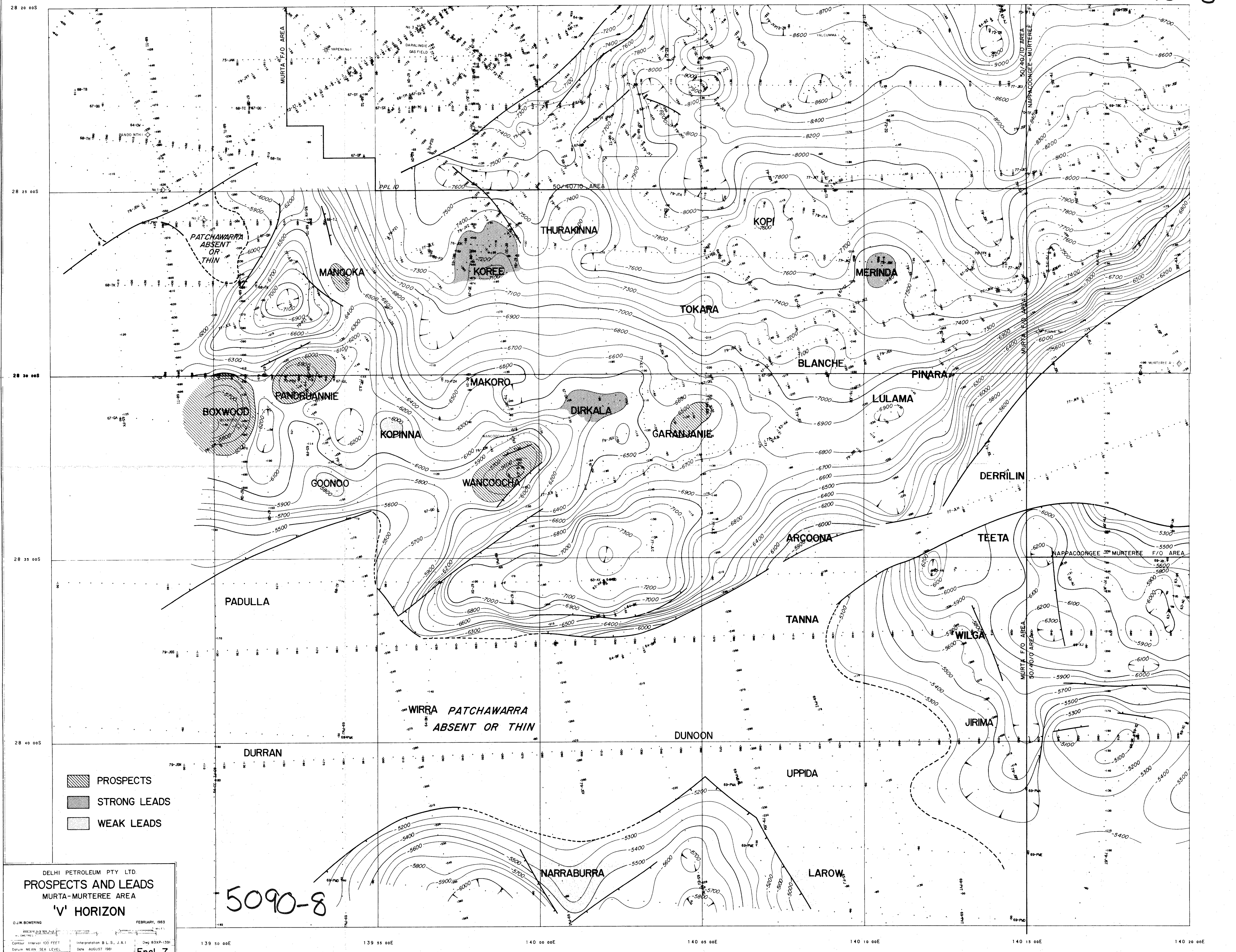


DELHI PETROLEUM PTY. LTD.
PROSPECTS AND LEADS
 MURTA-MURTEREE AREA
'P' HORIZON
 O.J.W. BOWERS FEBRUARY, 1983
 Interpretation B.L.S. J.A.I.
 Datum: MEAN SEA LEVEL
 Projection: UTM/CLARK
 Date: AUGUST 1981
 Drawn: S. JEFFS
 Encl. 6

5090-7

139 55 00E 140 00 00E 140 05 00E 140 10 00E 140 15 00E 140 20 00E

5090-8



5090-8

DELHI PETROLEUM PTY LTD
PROSPECTS AND LEADS
 MURTA-MURTEREE AREA
 'V' HORIZON

D.J.W. BOWERING
 FEBRUARY, 1983
 Contour Interval 100 FEET
 Datum MEAN SEA LEVEL
 Projection UTM CLARKE 1858
 Interpretation B.L.S., J.A.I.
 Date AUGUST 1981
 Drafted S. JEFFS

Encl. 7

5090-9

28 20 00S

28 25 00S

28 30 00S

28 35 00S

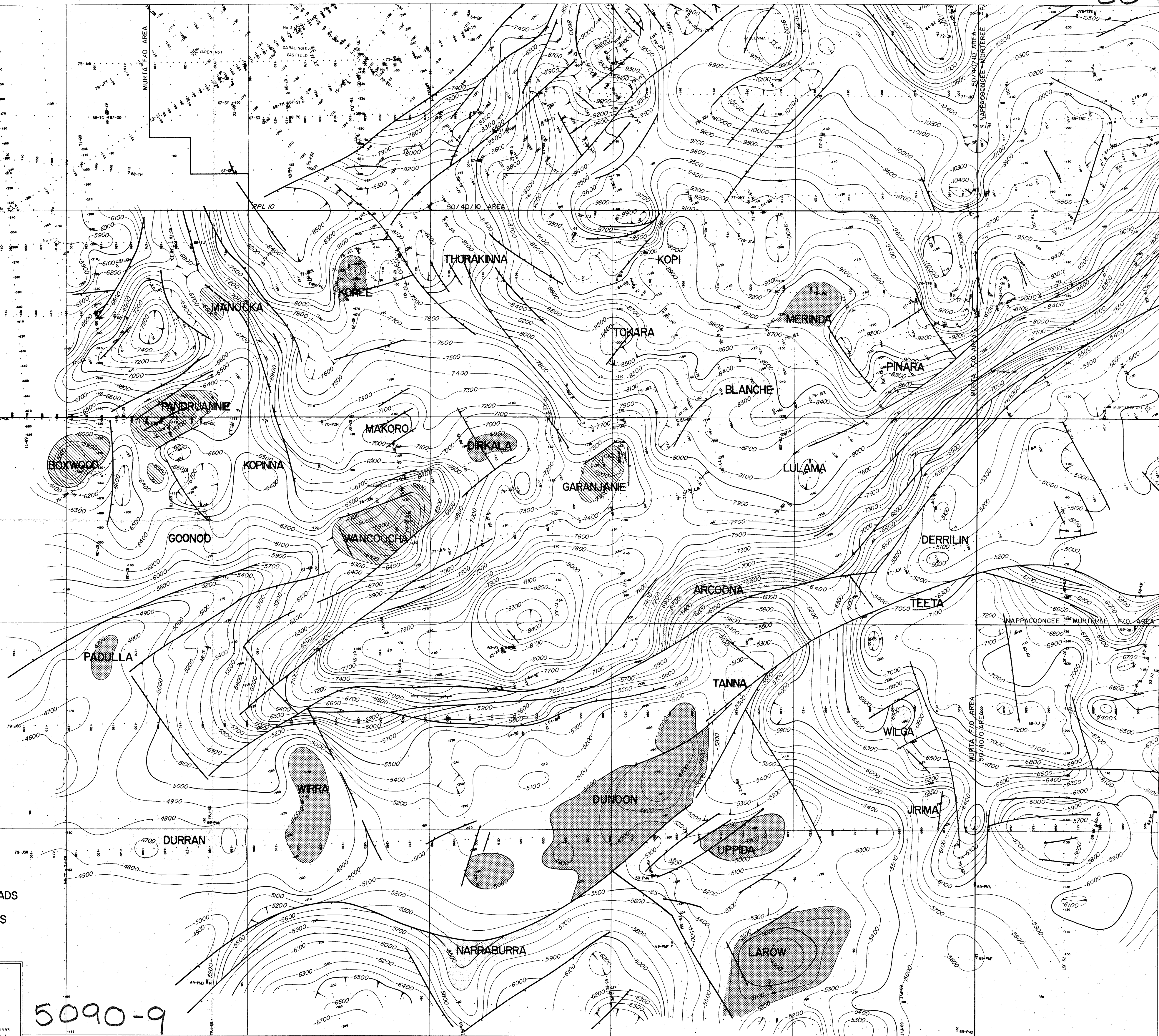
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- STRONG LEADS
- WEAK LEADS

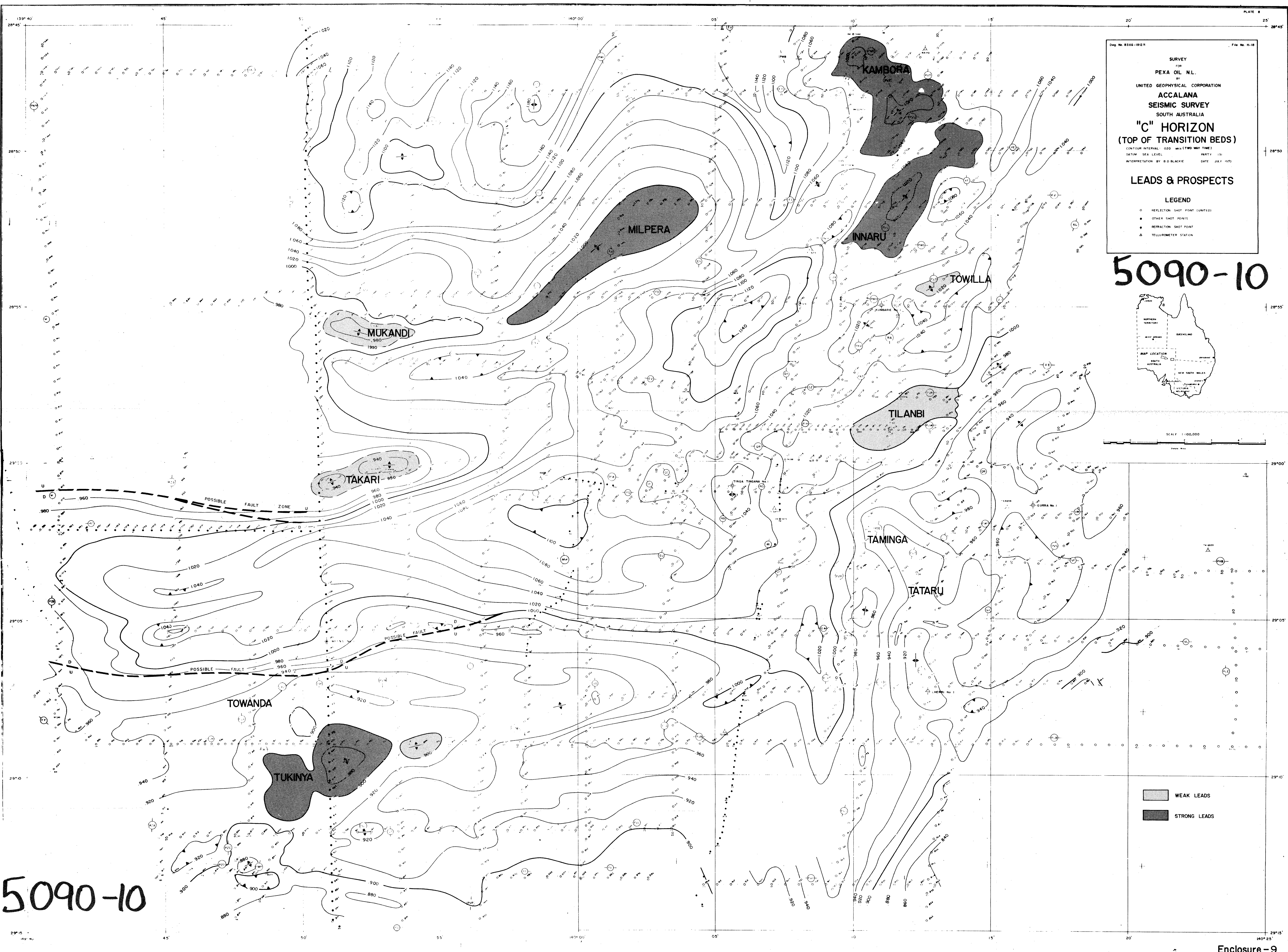
DELHI PETROLEUM PTY. LTD.
PROSPECTS AND LEADS
MURTA-MURTEREE AREA
'Z' HORIZON

O.J.W. BOWLING
FEBRUARY, 1983
Interpretation B.L.S. J.A.I.
Datum MEAN SEA LEVEL
Date AUGUST 1981
Projection UTM CLARKE 1866
FILE NO. 1115
Encl. 8

5090-9



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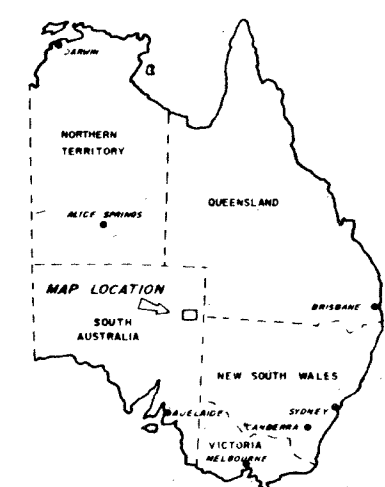
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FILM No. H-18

SURVEY
FOR
PEXA OIL NL.
BY
UNITED GEOPHYSICAL CORPORATION
ACCALANA
SEISMIC SURVEY
SOUTH AUSTRALIA
"C" HORIZON
(TOP OF TRANSITION BEDS)
CONTOUR INTERVAL: 020 METS (TWO WAY TIME)
DATUM: SEA LEVEL
INTERPRETATION BY: B.D. BLACKIE
PARTY: 131
DATE: JULY 1970

LEADS & PROSPECTS

LEGEND
○ REFLECTION SHOT POINT (UNITED)
● OTHER SHOT POINTS
▲ REFRACTION SHOT POINT
△ TELLURIUMETER STATION

5090-10



SCALE 1:100,000
ENCL. 9

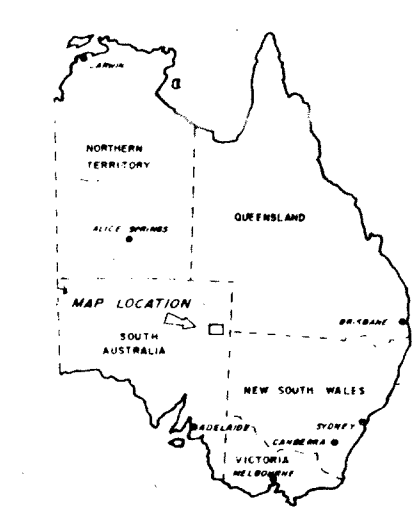
WEAK LEADS
STRONG LEADS

5090-10

SURVEY
 PEKA OIL NL.
 UNITED GEOPHYSICAL CORPORATION
 ACCALANA
 SEISMIC SURVEY
 SOUTH AUSTRALIA
 "P" HORIZON
 (BASE OF MESOZOIC)
 CONTINENTAL INTERVAL: 1020 UNKIND WAY TIME
 LOTUS: SEA LEVEL
 ALTIMETER: BY READING DATE: JAN 1970
 LEADS & PROSPECTS

REFLECTION SHOT POINT (SHP)
 OTHER SHOT POINTS
 REFRACTION SHOT POINT
 TELEPHONE STATION

5090-11



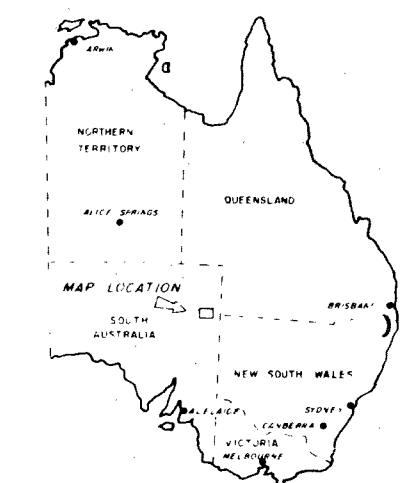
SCALE 1:100,000

WEAK LEADS
 STRONG LEADS

5090-11

SURVEY
 PEXA OIL N.L.
 UNITED GEOPHYSICAL CORPORATION
ACCALANA
SEISMIC SURVEY
 SOUTH AUSTRALIA
BASE OF GIDGEALPA
 (CONTOUR INTERVAL 0-500 METRE TWO WAY TIME)
 DATUM: SEA LEVEL PARTY: 131
 INTERPRETATION BY: B.D. BLACKIE DATE: AUGUST 1971
LEADS & PROSPECTS
LEGEND
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 ● OTHER SHOT POINTS
 ◆ REFRACTION SHOT POINT
 ▲ TELESEISMIC STATION

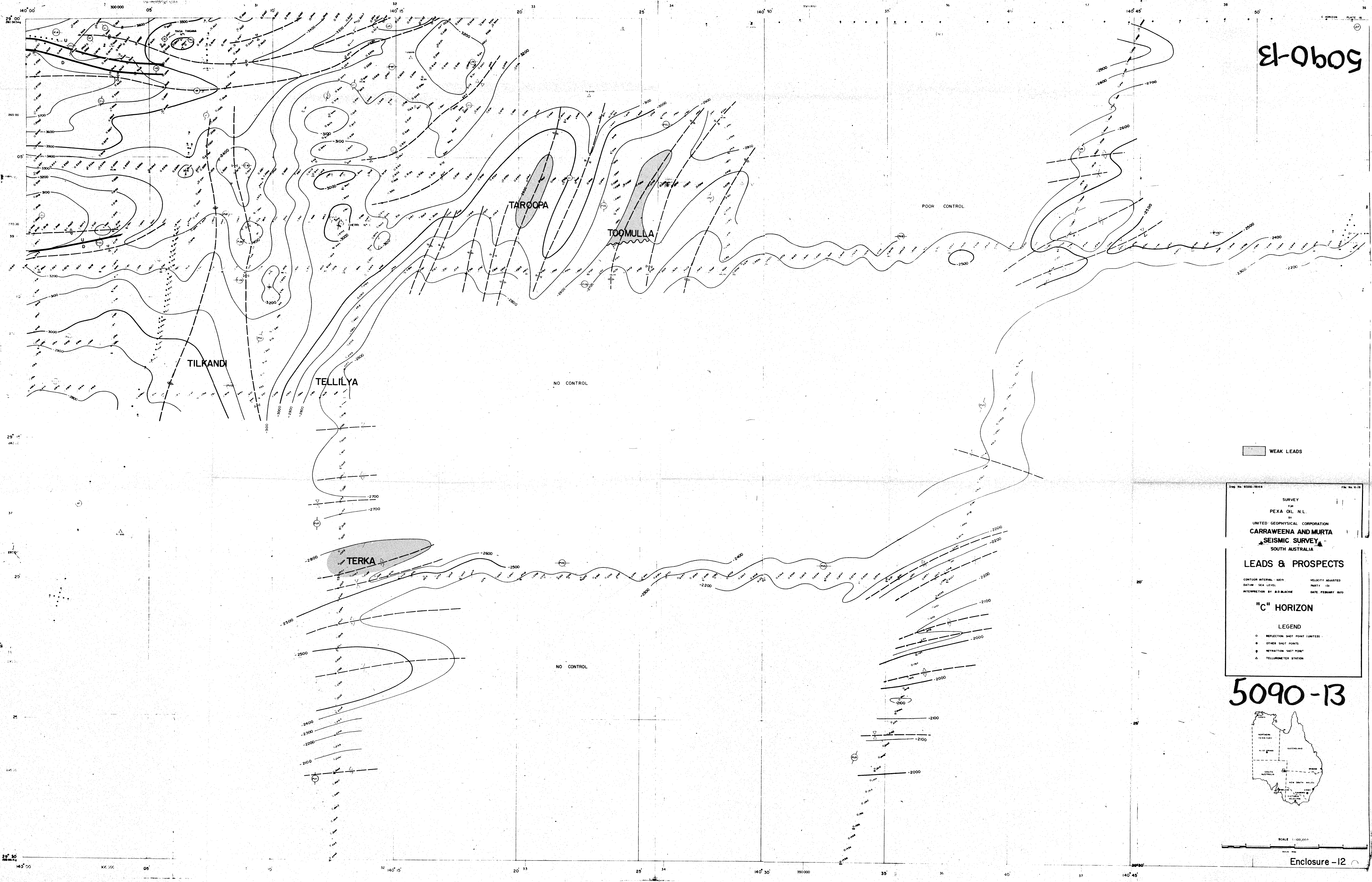
5090-12



SCALE 1:100,000



5090-12



5090-13

SURVEY
FOR
PEXA OIL N.L.
BY
UNITED GEOPHYSICAL CORPORATION
CARRAWEENA AND MURTA
SEISMIC SURVEY
SOUTH AUSTRALIA

LEADS & PROSPECTS

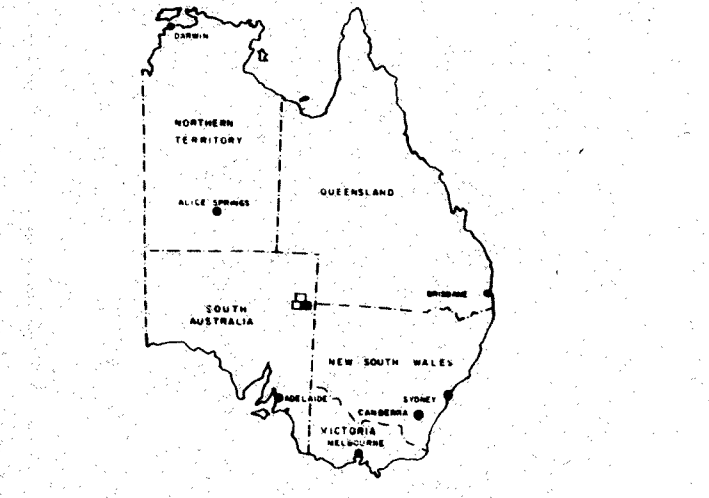
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DATUM: SEA LEVEL PARTY: 131
INTERPRETER: B.D. BLACKIE DATE: FEBRUARY 1970

"C" HORIZON

LEGEND

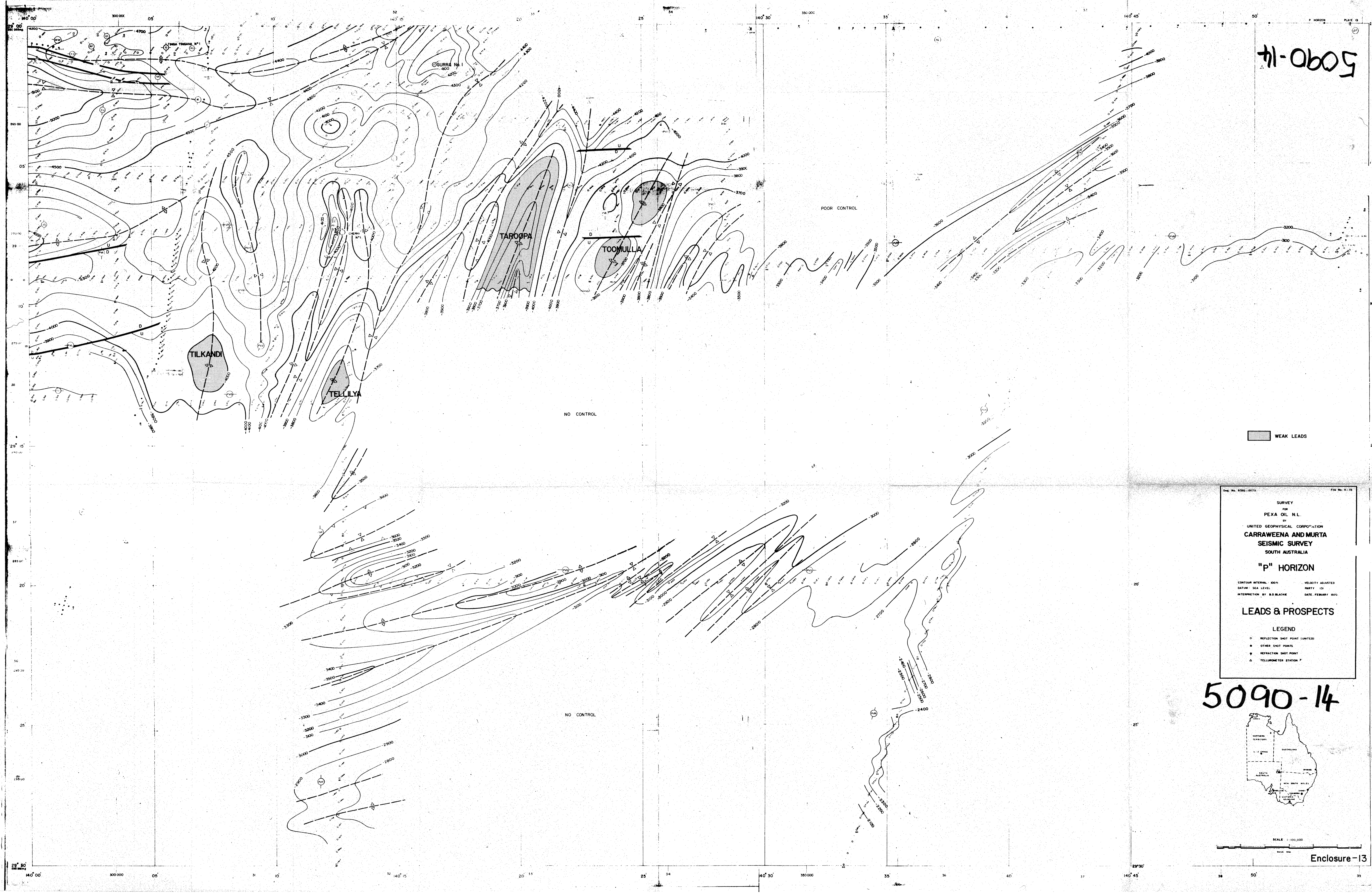
- REFLECTION SHOT POINT (UNITED)
- OTHER SHOT POINTS
- ◐ REFRACTION SHOT POINT
- △ TELLUROMETER STATION

5090-13



SCALE 1:100,000

5090-14



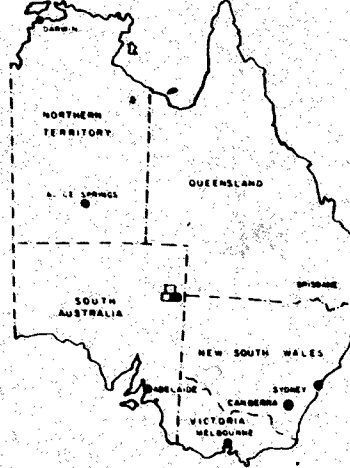
WEAK LEADS

LEADS & PROSPECTS

LEGEND

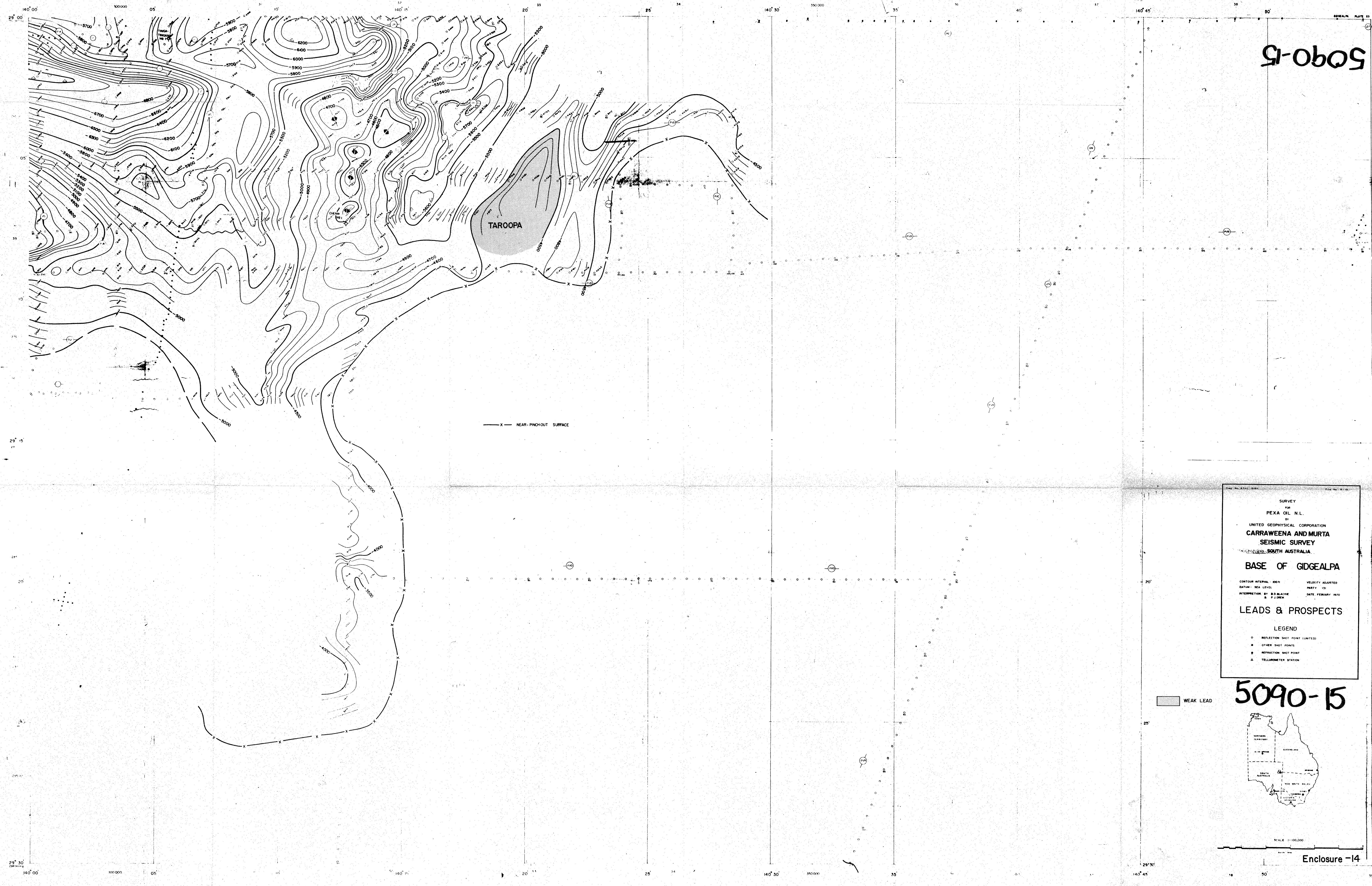
- REFLECTION SHOT POINT (UNITED)
- OTHER SHOT POINT
- ▽ REFRACTION SHOT POINT
- △ TELLURIMETER STATION

5090-14



SCALE 1:100,000

Enclosure-13



5090-15

SURVEY
PEXA OIL N.L.
BY
UNITED GEOPHYSICAL CORPORATION
CARRAWEENA AND MURTA
SEISMIC SURVEY
SOUTH AUSTRALIA
BASE OF GIDGEALPA

CONTOUR INTERVAL: 800' VELOCITY ADJUSTED
DATUM: SEA LEVEL PARTY: 151
INTERPRETER: B. B. BLACKIE DATE: FEBRUARY 1970
P. J. DREW

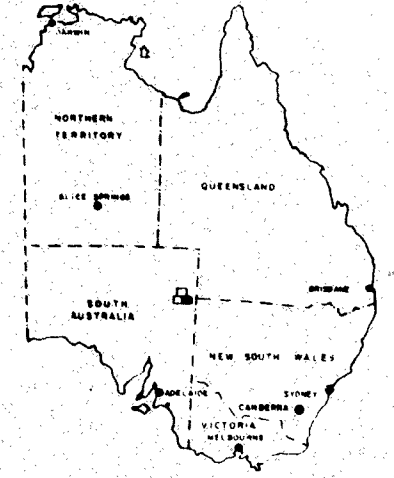
LEADS & PROSPECTS

LEGEND

- REFLECTION SHOT POINT (UNITED)
- OTHER SHOT POINTS
- ⊕ REFRACTION SHOT POINT
- △ TELLURIMETER STATION

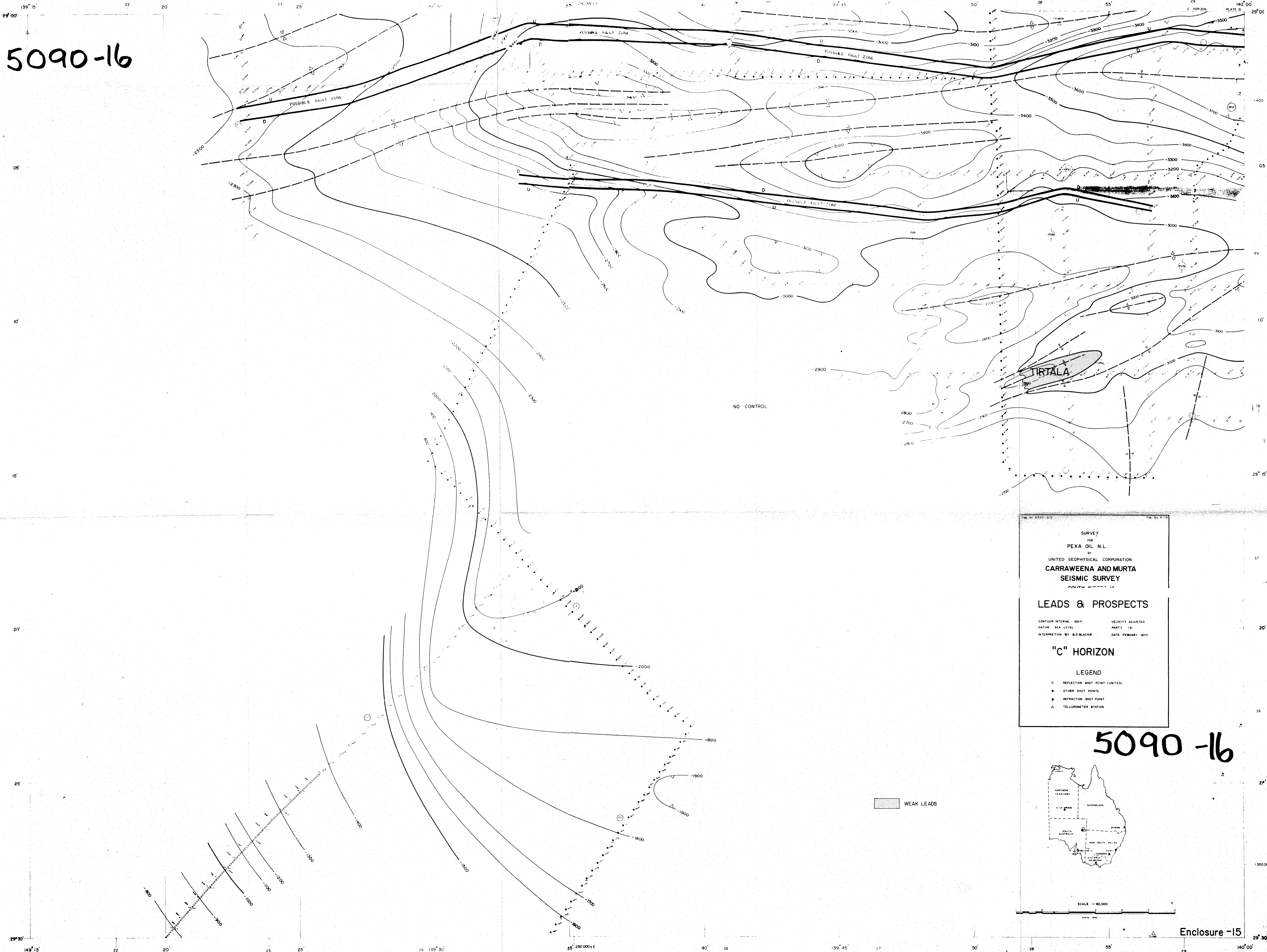
WEAK LEAD

5090-15



SCALE 1:100,000

5090-16



SURVEY
FOR
PEXA OIL N.L.
BY
UNITED GEOPHYSICAL CORPORATION
**CARRAWEENA AND MURTA
SEISMIC SURVEY**
POLYMER AUSTRALIA PTY. LTD.

LEADS & PROSPECTS

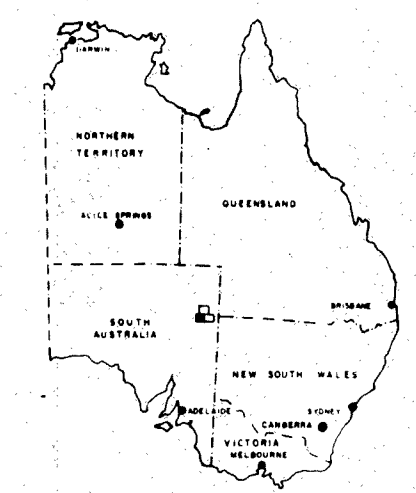
CONTOUR INTERVAL: 100 FT. VELOCITY ADJUSTED
DATUM: SEA LEVEL PARTY: 131
INTERPRETION BY: B.D. BLACKIE DATE: FEBRUARY 1970

"C" HORIZON

LEGEND

- REFLECTION SHOT POINT (UNITED)
- OTHER SHOT POINTS
- ▼ REFRACTION SHOT POINT
- △ TELLURIMETER STATION

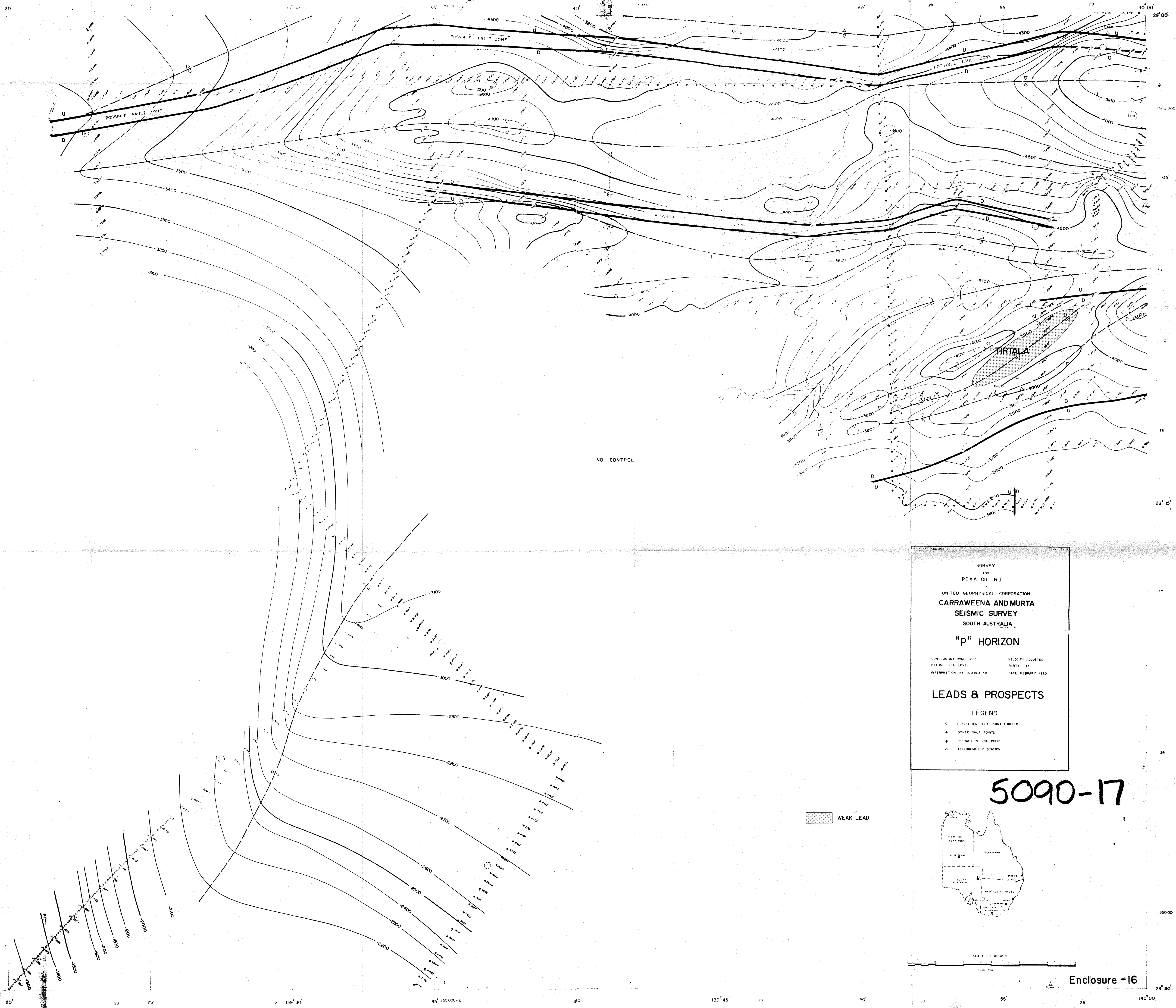
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SCALE 1:80,000

Enclosure -15

5090-17



TINGA TINGANA BLOCK, PEL 5 & 6 S.A.

EXPLORATION REPORT

JUNE, 1983

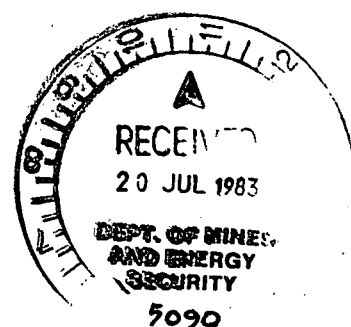
Contents

1. Geology

Distribution (14)

Delhi (8) - O.W. Nugent
J.T. Frazer
M.P. Middleton
T.J. Mount
J.M. Durrant (2)
J.H. Allen
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines



Discussions held in June to formulate cost-effective approach to exploration in this marginal block. Prospects reviewed and seismic planned, recognizing the need for detailing of selected structures in conjunction with regional lines. Geological studies should include source-rock evaluation and detailed stratigraphy.

TINGA TINGANA BLOCK, PEL 5&6 SA

EXPLORATION REPORT

APRIL 1984

Contents

1. Summary and Highlights

Distribution (15)

Delhi (9) - R.J.S Hollingsworth
O.W. Nugent
J.T. Frazer
M.P. Middleton
P.W. Best
R.S. Heath
J. Hughes
J.H. Allen
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy



SAI Group
Delhi Petroleum Pty Ltd
May 1984

TINGA TINGANA BLOCKAPRIL 1984SUMMARY AND HIGHLIGHTSGeneral

Proposals are being circulated covering seismic programming options for both 1984 and 1985. A 275 km 1984 layout has been proposed to mature 2 drill locations for 1986 drilling, and to provide a regional framework tying both the Toolachee and Arrowie 1984 seismic grids.

It would be proposed to record the programme during August.

Approval of the 1984 layout is expected during May.

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

MAY - JUNE 1984

Contents

1. Summary and Highlights

Distribution (17)

Delhi (11) - R.J.S Hollingsworth
M.P. Middleton
O.W. Nugent
J.T. Frazer
T.J. Mount
P.W. Best
I.B. Galloway
R.S. Heath
J. Hughes
J.H. Allen
Library

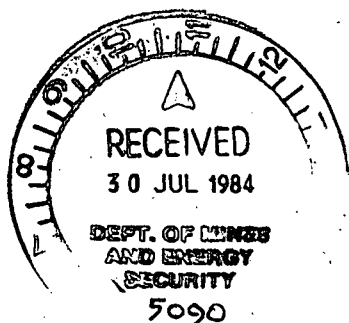
Santos (2)

Vamgas

SAOGC

Hartogen

South Australia Department of Mines & Energy



SA1 Group
Delhi Petroleum Pty Ltd
July 1984

General

Approval has been received to ammend the 1984 Firm Programme and Budget to a total of approximately 300 km (original Budget 200 km) to include regional ties to adjacent Blocks and a reconnaissance grid in the Fortville 3 area.

The programme is expected to be recorded in August.

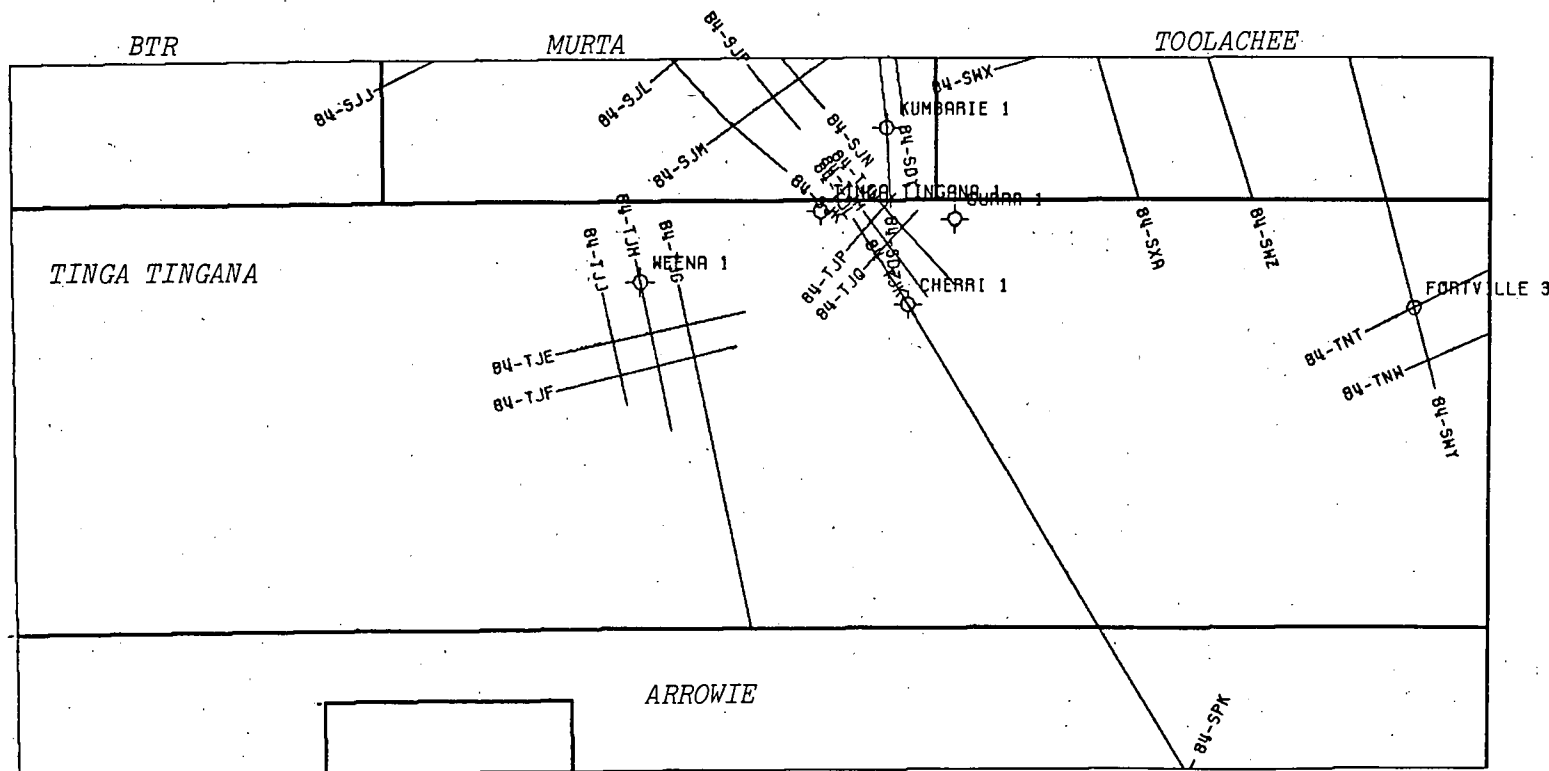
Programme Against BudgetSeismic

	Original Budget	Amended Budget	Recorded To Date	Forecast Final
Hogarth-TIN	200 km	300 km	Nil	310 km

TINGA TINGANA LINE LOCATIONS

1984 HOGARTH-TIN

28 50 00S



29 40 00S

139 00 00E

141 00 00E

1984 PROGRAMMEBLOCK: TINGA TINGANANOPE: 1343SURVEY: 1984 HOGARTH-TINCherri Flank

84-TJL	200 - 600	15.000
84-TJM	200 - 574	14.025
84-TJN	200 - 590	14.625
84-TJP	200 - 460	17.250
84-TJQ	200 - 474	10.275

71.175

Towanda Grid

84-TJE	200 - 886	25.725
84-TJF	200 - 854	24.525
84-TJG	200 - 1414	45.525
84-TJH	200 - 808	22.800
84-TJJ	200 - 600	15.000

133.575

Fortville Area

84-SWY	200 - 1218	Hogarth-T00
	1218 - 1898	25.500
84-TNT	200 - 680	18.000
84-TNW	200 - 520	12.000

55.500

Cherri-Tilcha Regional

84-TJK	200 - 1534	50.025
	1534 - 2164	Hogarth-ARR

50.025

310.275

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

JULY 1984

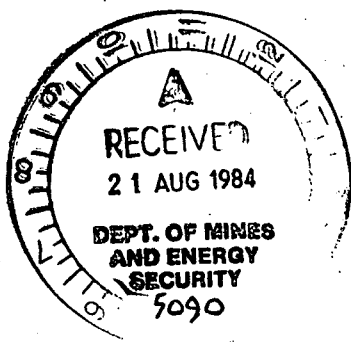
Contents

1. Summary and Highlights
2. Seismic Acquisition

Distribution (17)

Delhi (11) - R.J.S Hollingsworth
M.P. Middleton
O.W. Nugent
J.T. Frazer
T.J. Mount
J.W. Adams
I.B. Galloway
R.S. Heath
J. Hughes
J.H. Allen
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy



SA1 Group
Delhi Petroleum Pty Ltd
August 1984

General

Recording operations commenced on the 13 July with 55 km recorded in the Fortville area before the crew moved out of the block. Work will recommence in August after completion of the southern Toolachee programme.

Programme Against BudgetSeismic

	Original Budget	Amended Budget	Recorded To Date	Forecast Final
Hogarth-TIN	200 km	300 km	55 km	310 km

Hogarth-TIN Seismic SurveySummary

55 km of Vibroseis were recorded. 138 km of line were cleared and chained.
55 km of line were surveyed. 36 upholes were drilled and recorded.

Line Clearance

138 km of line were cleared.

Surveying

138 km of line were chained and 55 km of line were surveyed.

Drilling

36 upholes were drilled and recorded. Uphole depth varied from 60 to 80 metres.

Recording

55.275 km of 12-fold Vibroseis were recorded from the 13 to 18 July.

TINGA TINGANA BLOCK, PEL 5 & 6 SA
EXPLORATION REPORT
AUGUST 1984

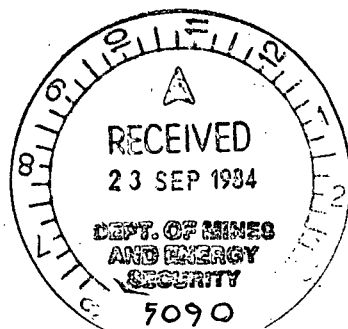
Contents

1. Summary and Highlights
2. Seismic Acquisition

Distribution (18)

Delhi (12) - R.J.S Hollingsworth
M.P. Middleton
O.W. Nugent
J.T. Frazer
T.J. Mount
P.G. Moorfield
J.W. Adams
I.B. Galloway
R.S. Heath
J. Hughes
J.H. Allen
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy



SAI Group
Delhi Petroleum Pty Ltd
September 1984

General

Recording operations commenced on the 13 July with 55 km recorded in the Fortville area before the crew moved out of the block. Work recommenced on 4 August after completion of the southern Toolachee programme, when a further 194 km of Vibroseis was recorded. 50 km of Cord remain to be recorded in September.

Programme Against BudgetSeismic

NOPE	Survey	Original Budget	Amended Budget	Recorded To Date	Forecast Final
1343	Hogarth-TIN	200 km	300 km	249 km	300 km

NOPE	Survey	Budget	NOPE	Final Forecast Cost
1343	Hogarth-TN	\$574,680	\$775,000	\$672,509

Drilling

No well are budgeted for the block in 1984.

Hogarth-TIN Seismic SurveySummary

194 km of Vibroseis were recorded from 4 to 23 August. 39 km of line were cleared. 45 km of line were chained and 82 km of line were surveyed. No upholes were drilled and recorded.

Line Clearance

39 km of line were cleared to complete line clearing.

Surveying

45 km of line were chained and 82 km surveyed to complete surveying on 12 August.

Drilling

Uphole drilling has yet to be commenced at the end of September.

Recording

194 km of 24-fold Vibroseis were recorded from the 4 to 23 August.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

AUGUST 1984

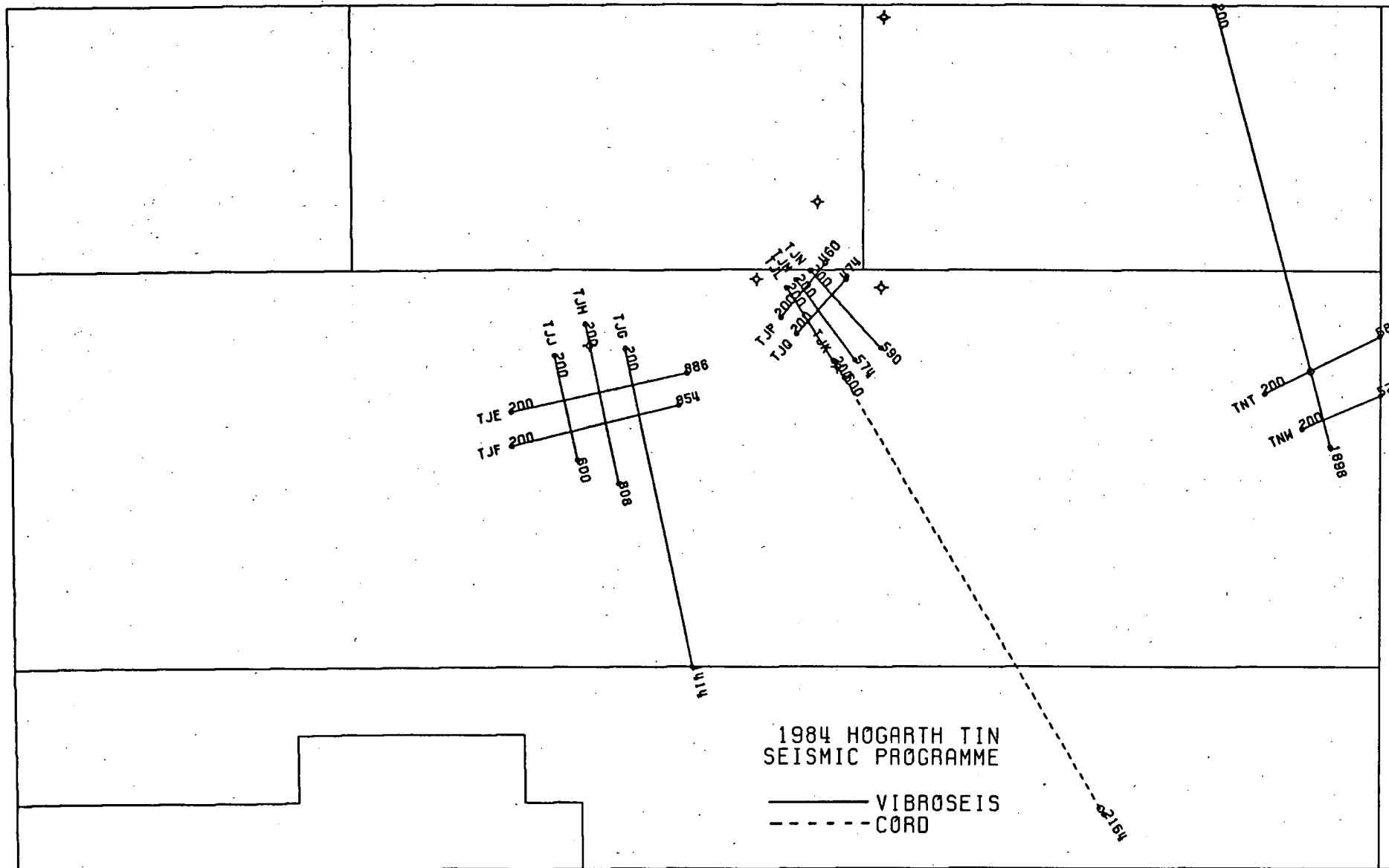
1984 Seismic Expenditure Table

Status	NOPE	Survey	Budget	NOPE	Forecast
Base	1343	Hogarth-TIN	560,000	775,000	672,509

1984 Seismic Acquisition Table (km)

Survey	Budget	Forecast Final	This Month	To Date	Forecast Remaining
Hogarth-ARR	300	300	194	249	50

28 40 00S



1984 HOGARTH TIN
SEISMIC PROGRAMME

—— VIBROSEIS
--- CORD

0085

29 45 00S

139 00 00E

141 01 00E

1984 PROGRAMME

0086

Block: Tinga TinganaNOPE: 1343Survey: 1984 Hogarth-TINCherri Flank

84-TJL	200 - 600	15.000
84-TJM	200 - 576	14.100
84-TJN	200 - 592	14.700
84-TJP	200 - 460	9.750
84-TJQ	200 - 476	10.350

63.900

Towanda Grid 25m Station Interval

84-TJE	200 - 1232	25.800
84-TJF	320 - 1184	21.600
84-TJG	200 - 2023	45.575
84-TJH	200 - 1110	22.750
84-TJJ	200 - 800	15.000

130.725

Fortville Area

84-SWY	200 - 1220	Hogarth-T00
	1220 - 1900	25.500
84-TNT	200 - 676	17.850
84-TNW	200 - 518	11.925

55.275

Cherri-Tilcha Regional

84-TJK	200 - 1530	50.025
	1530 - 2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925

1984 Hogarth-TIN Seismic Survey

Field tapes for Cherri Flank, Towanda Grid and Fortville area have been received late in August. Survey information was received on the 28 August but no uphole information has yet been collected. We are therefore unable to calculate statics and are likely to remain in this situation for most of September.

TINGA TINGANA BLOCK, PEL 5 & 6 SA
EXPLORATION REPORT
SEPTEMBER 1984

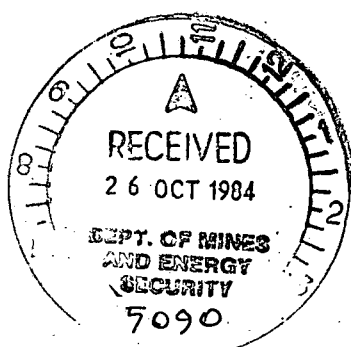
Contents

1. Summary and Highlights
2. Seismic Acquisition
3. Seismic Processing

Distribution (18)

Delhi (12) - R.J.S. Hollingsworth
M.P. Middleton
O.W. Nugent
J.T. Frazer
T.J. Mount
P.G. Moorfield
J.W. Adams
I.B. Galloway
R.S. Heath
J. Hughes
J.H. Allen
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy



SAI Group
Delhi Petroleum Pty Ltd
October 1984

1. SUMMARY AND HIGHLIGHTS

General

Recording operations commenced on the 13 July with 55 km recorded in the Fortville area before the crew moved out of the block. Work recommenced on 4 August after completion of the southern Toolachee programme, when a further 194 km of Vibroseis was recorded. 50 km of Cord was recorded in September. Field statics acquisition for Vibroseis was completed in September and will be completed for Cord in October.

A Technical Committee Meeting to review the 1985 Preliminary Budget is proposed for 9 October.

Programme Against BudgetSeismic

NOPE	Survey	Original Budget	Amended Budget	Recorded To Date	Forecast Final
1343	Hogarth-TIN	200 km	300 km	299 km	299 km

NOPE	Survey	Budget	NOPE	Final Forecast Cost
1343	Hogarth-TN	\$574,680	\$775,000	\$675,000

Drilling

No wells are budgeted for the block in 1984.

Source Rock

TOC and Rock-Evaluation pyrolysis analyses have been completed by AMDEL on selected wells.

Original Budget

\$6,000

Final Expenditure

\$4,445

2. SEISMIC ACQUISITION

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

SEPTEMBER 1984

1984 Seismic Expenditure Table

Status	NOPE	Survey	Budget	NOPE	Forecast
Base	1343	Hogarth-TIN	560,000	775,000	675,000

1984 Seismic Acquisition Table (km)

Survey	Budget	Forecast Final	This Month	To Date	Forecast Remaining
Hogarth-ARR	300	300	50	299	-

Hogarth-TIN Seismic SurveySummary

50 km of cord data was recorded from 2 to 6 September. Uphole drilling for the 194 km of Vibroseis line commenced on 10 September and was completed on 26 September.

Line Clearance

Previously completed.

Surveying

Previously completed.

Drilling

191 holes for 8785 metres to complete the upholes on the vibroseis work. Spacing was at 1 km interval. Drilling for the cord work will be completed in October.

Recording

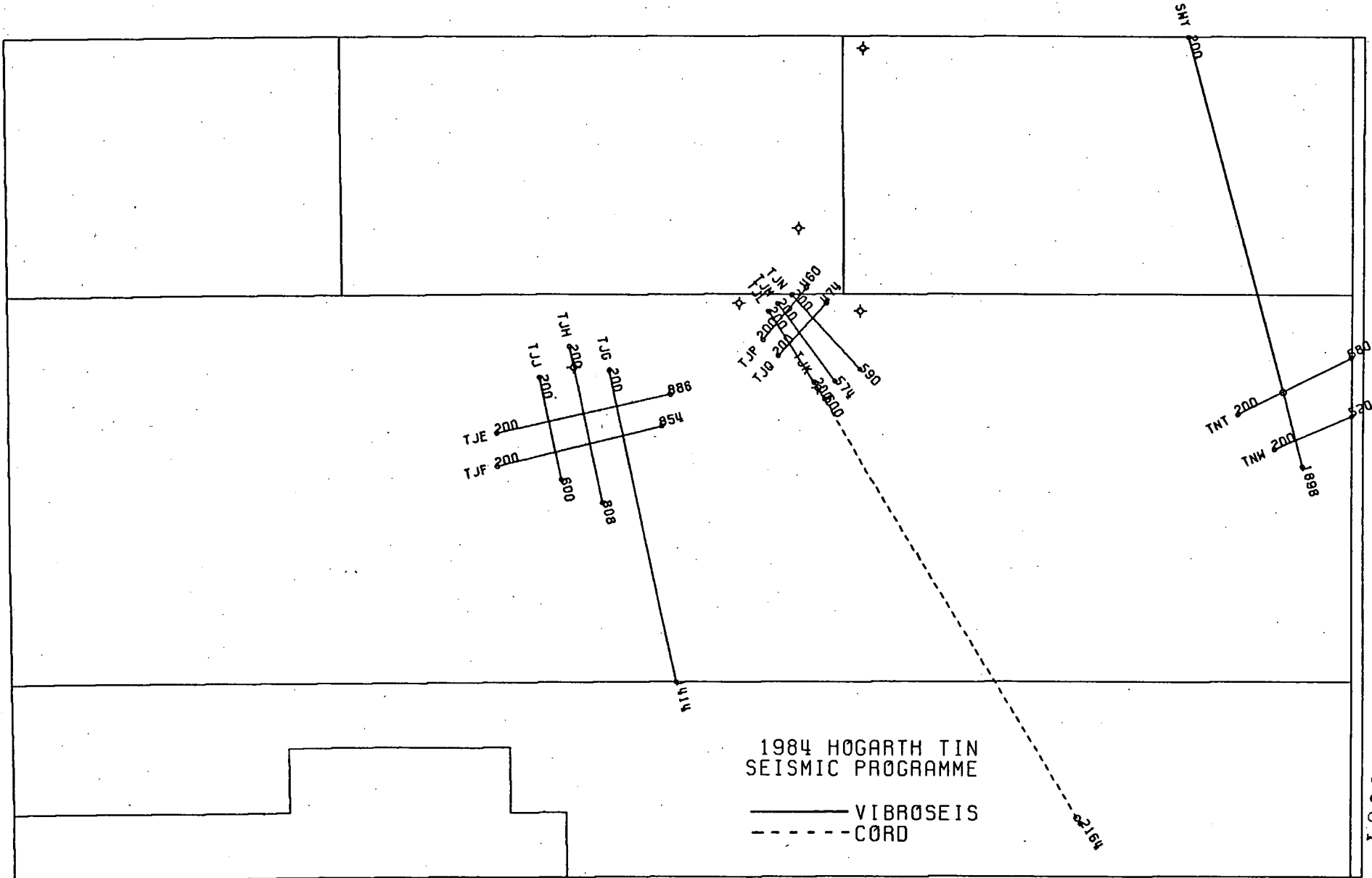
50 km of 12 fold 96 Trace Cord was recorded in 4 days. 2 x 50 ms of cord was the source used.

28 40 00S

29 45 00S

139 00 00E

141 01 00E



0094

1984 PROGRAMMEBlock: Tinga TinganaNOPE: 1343Survey: 1984 Hogarth-TINCherri Flank

84-TJL	200 - 600	15.000
84-TJM	200 - 576	14.100
84-TJN	200 - 592	14.700
84-TJP	200 - 460	9.750
84-TJQ	200 - 476	10.350

63.900

Towanda Grid 25m Station Interval

84-TJE	200 - 1232	25.800
84-TJF	320 - 1184	21.600
84-TJG	200 - 2023	45.575
84-TJH	200 - 1110	22.750
84-TJJ	200 - 800	15.000

130.725

Fortville Area

84-SWY	200 - 1220	Hogarth-T00
	1220 - 1900	25.500
84-TNT	200 - 676	17.850
84-TNW	200 - 518	11.925

55.275

Cherri-Tilcha Regional

84-TJK	200 - 1530	50.025
	1530 - 2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925

3. SEISMIC PROCESSING

1984 Hogarth-TIN Seismic Survey

Field tapes and survey data for Cherri Flank, Towanda, and the Fortville area were received late in August.

Collection of uphole information continued during September but was still incomplete at the end of the month. No statics were available, and hence no progress was made in processing.

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

OCTOBER 1984

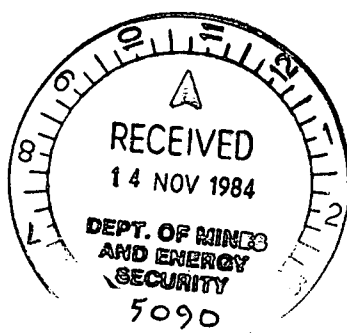
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1. Summary and Highlights
2. Seismic Acquisition
3. Seismic Processing

Distribution (19)

Delhi (13) - R.J.S Hollingsworth
M.P. Middleton
O.W. Nugent
J.T. Frazer
T.J. Mount
P.G. Moorfield
K.C. Dups
J.W. Adams
I.B. Galloway
R.S. Heath
J. Hughes
J.H. Allen
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy



SA1 Group
Delhi Petroleum Pty Ltd
November 1984

1. SUMMARY AND HIGHLIGHTS

General

Seismic recording operations in the block were completed in September. Uphole drilling and field statics acquisition were completed this month. Pre-stack processing trials are complete on Towanda and processing is underway.

A Technical Committee Meeting to review the 1985 Preliminary Budget was held on 9 October.

Programme Against BudgetSeismic

NOPE	Survey	Original Budget	Amended Budget	Recorded To Date	Forecast Final
1343	Hogarth-TIN	200 km	300 km	299 km	299 km

NOPE	Survey	Budget	NOPE	Final Forecast Cost
1343	Hogarth-TN	\$574,680	\$775,000	\$675,000

Drilling

No wells are budgeted for the block in 1984.

2. SEISMIC ACQUISITION

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

OCTOBER 1984

1984 Seismic Expenditure Table

Status	NOPE	Survey	Budget	NOPE	Forecast
Base	1343	Hogarth-TIN	560,000	775,000	675,000

1984 Seismic Acquisition Table (km)

Survey	Budget	Forecast Final	This Month	To Date	Forecast Remaining
Hogarth-ARR	300	300	-	299	-

Hogarth-TIN Seismic SurveySummary

Uphole drilling and static data acquisition were completed in October.

Line Clearance

Previously completed.

Surveying

Previously completed.

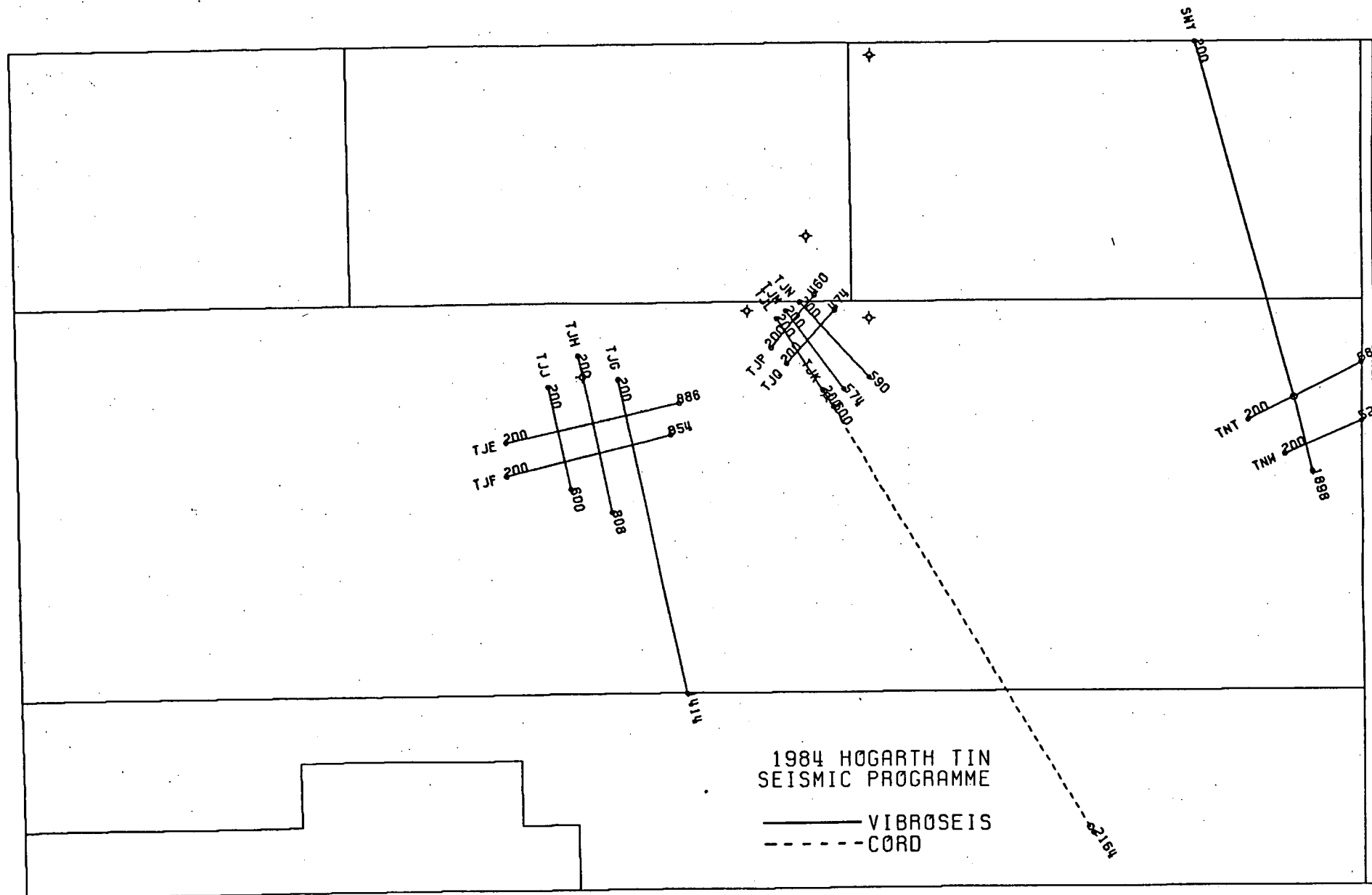
Drilling

Uphole drilling for the cord work was completed during the month.

Recording

Previously completed.

28 40 00S



1984 HOGARTH TIN
SEISMIC PROGRAMME

———— VIBROSEIS
----- CORD

0104

29 45 00S

139 00 00E

141 01 00E

Block: Tinga TinganaNOPE: 1343Survey: 1984 Hogarth-TINCherri Flank

84-TJL	200 - 600	15.000
84-TJM	200 - 576	14.100
84-TJN	200 - 592	14.700
84-TJP	200 - 460	9.750
84-TJQ	200 - 476	10.350

 63.900

Towanda Grid 25m Station Interval

84-TJE	200 - 1232	25.800
84-TJF	320 - 1184	21.600
84-TJG	200 - 2023	45.575
84-TJH	200 - 1110	22.750
84-TJJ	200 - 800	15.000

 130.725

Fortville Area

84-SWY	200 - 1220	Hogarth-T00
	1220 - 1900	25.500
84-TNT	200 - 676	17.850
84-TNW	200 - 518	11.925

 55.275

Cherri-Tilcha Regional

84-TJK	200 - 1530	50.025
	1530 - 2164	Hogarth-ARR

 50.025

1984 Hogarth-TIN Total

 299.925

3. SEISMIC PROCESSING

1984 Hogarth-TIN Seismic Survey

Collection of uphole information was completed during October and field statics for all lines were calculated and sent to Digital Exploration Ltd, Brisbane, by 15 October. A test location was selected on line 84-TJE, Towanda grid. All pre-stack parameters trials were received on 29 October and parameters were selected and the processors notified on 30 October.

1
Geophysical Processing Status
TINGA TINGANA BLOCK STATUS REPORT

SYMBOLS USED

NLINE : Line name (YY-XXXX)
BCODE : Block code
CNTDA : Current Data? (Y/N)
DPROC : Data at processor (DD/MM/YY)
SPROC : Statics at processor (DD/MM/YY)
BSTAK : Brute stack received (30)(DD/MM/YY)
PSTAK : Preliminary stack (60)(DD/MM/YY)
FINAL : Final stack (130)(DD/MM/YY)
NFILM : Film-normal polarity(140)(DD/MM/YY)
DISTD : Finals distributed (DD/MM/YY)

DD/MM/YY : Current Data
DD-MM-YY : Projected Data

1

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Geophysical Processing Status
TINGA TINGANA BLOCK STATUS REPORT

NLINE	BCODE	CNTDA	DPROC	SPROC	BSTAK	PSTAK	FINAL	NFILM	DISTD
84-SWY	TIN	Y	09/10/84	15/10/84	12-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJE	TIN	Y	09/10/84	12/10/84	05-11-84	12-11-84	10-12-84	28-12-84	15-01-85
84-TJF	TIN	Y	09/10/84	12/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJG	TIN	Y	09/10/84	12/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJH	TIN	Y	09/10/84	12/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJJ	TIN	Y	09/10/84	12/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJK	TIN	Y	09/10/84	16/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJL	TIN	Y	09/10/84	09/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJM	TIN	Y	09/10/84	09/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJN	TIN	Y	09/10/84	09/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJP	TIN	Y	09/10/84	09/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TJQ	TIN	Y	09/10/84	09/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TNT	TIN	Y	09/10/84	15/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85
84-TNW	TIN	Y	09/10/84	15/10/84	05-11-84	19-11-84	10-12-84	28-12-84	15-01-85

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TINGA TINGANA BLOCK STATUS REPORT

AREA	LINE	OCTOBER	NOVEMBER	DECEMBER	JANUARY		
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
TOWANDA GRID HOGARTH PARTY 5	84-TJE	DATA 1	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TJF	DATA 1	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TJG	DATA 1	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TJH	DATA 1	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TJJ	DATA 1	STATICS	BRUTE	PRELIM	FINAL	FILM
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
CHERRI FLANK HOGARTH PARTY 5	84-TJL	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJM	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJN	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJP	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJQ	DATA	BRUTE	PRELIM	FINAL	FILM	
FORTVILLE AREA HOGARTH PARTY 5	84-TNT	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TNW	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
		OCTOBER	NOVEMBER	DECEMBER	JANUARY		

TINGA TINGANA BLOCK, PEL 5 & 6 SA
EXPLORATION REPORT
NOVEMBER 1984

Distribution (20)

Delhi (14) - R.J.S Hollingsworth
M.P. Middleton
O.W. Nugent
J.T. Frazer
T.J. Mount
P.G. Moorfield
K.C. Dups
I.B. Galloway
R.S. Heath
N.S. Hollis
J. Hughes
J.H. Allen
D.G. Hocking
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy



SAI Group
Delhi Petroleum Pty Ltd
December 1984

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1. SUMMARY AND HIGHLIGHTS
2. SEISMIC ACQUISITION
3. SEISMIC PROCESSING

1. SUMMARY AND HIGHLIGHTS

General

Seismic recording operations in the block are complete. Brute stack sections have been received on Towanda and brute stacks of the remaining lines are expected in December.

The 1985 Final Budget was released 19 November.

Programme Against BudgetSeismic

NOPE	Survey	Original Budget	Amended Budget	Recorded To Date	Forecast Final
1343	Hogarth-TIN	200 km	300 km	299 km	299 km

NOPE	Survey	Budget	NOPE	Final Forecast Cost
1343	Hogarth-TN	\$574,680	\$775,000	\$673,980

Drilling

No wells are budgeted for the block in 1984.

2. SEISMIC ACQUISITION

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

NOVEMBER 1984

1984 Seismic Expenditure Table

Status	NOPE	Survey	Budget	NOPE	Forecast
Base	1343	Hogarth-TIN	560,000	775,000	673,980

1984 Seismic Acquisition Table (km)

Survey	Budget	Forecast Final	This Month	To Date	Forecast Remaining
Hogarth-ARR	300	299	-	299	-

3. SEISMIC PROCESSING

1984 Hogarth-TIN Seismic Survey

Processing tests are complete on the Towanda data and four brute stacks have been received. Brute stacks of the remaining lines are expected in December.

1
Geophysical Processing Status
TINGA TINGANA BLOCK STATUS REPORT

SYMBOLS USED

NLINE : Line name (YY-XXXX)
BCODE : Block code
CNTDA : Current Data? (Y/N)
DPROC : Data at processor (DD/MM/YY)
SPROC : Statics at processor (DD/MM/YY)
BSTAK : Brute stack received (30)(DD/MM/YY)
PSTAK : Preliminary stack (60)(DD/MM/YY)
FINAL : Final stack (130)(DD/MM/YY)
NFILM : Film-normal polarity(140)(DD/MM/YY)
DISTD : Finals distributed (DD/MM/YY)

DD/MM/YY : Current Data
DD-MM-YY : Projected Data

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1
Geophysical Processing Status
TINGA TINGANA BLOCK STATUS REPORT

NLINE	BCODE	CNTDA	DPROC	SPROC	BSTAK	PSTAK	FINAL	NFILM	DISTD
84-SWY	TIN	Y	09/10/84	15/10/84	14-12-84	19-12-84	28-12-84	18-01-85	15-02-85
84-TJE	TIN	Y	09/10/84	12/10/84	15/11/84	15/11/84	15/11/84	08-01-85	30-01-85
84-TJF	TIN	Y	09/10/84	12/10/84	15/11/84	22/11/84	20-12-84	08-01-85	30-01-85
84-TJG	TIN	Y	09/10/84	12/10/84	30/11/84	07-12-84	20-12-84	08-01-85	30-01-85
84-TJH	TIN	Y	09/10/84	12/10/84	15/11/84	30/11/84	20-12-84	08-01-85	30-01-85
84-TJJ	TIN	Y	09/10/84	12/10/84	15/11/84	22/11/84	20-12-84	08-01-85	30-01-85
84-TJK	TIN	Y	09/10/84	16/10/84	22-12-84	31-12-84	31-01-85	15-03-85	31-03-85
84-TJL	TIN	Y	09/10/84	09/10/84	05-12-84	10-12-84	24-12-84	28-01-85	15-02-85
84-TJM	TIN	Y	09/10/84	09/10/84	05-12-84	10-12-84	24-12-84	28-01-85	15-02-85
84-TJN	TIN	Y	09/10/84	09/10/84	05-12-84	10-12-84	24-12-84	28-01-85	15-02-85
84-TJP	TIN	Y	09/10/84	09/10/84	05-12-84	10-12-84	24-12-84	28-01-85	15-02-85
84-TJQ	TIN	Y	09/10/84	09/10/84	05-12-84	10-12-84	24-12-84	28-01-85	15-02-85
84-TNT	TIN	Y	09/10/84	15/10/84	30/11/84	10-12-84	24-12-84	28-01-85	15-02-85
84-TNW	TIN	Y	09/10/84	15/10/84	05-12-84	10-12-84	24-12-84	28-01-85	15-02-85

4-DEC-84

DELHI PETROLEUM PTY LTD

TINGA TINGANA BLOCK STATUS REPORT

AREA	LINE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	DATA	STATICS	BRUTE PRELIM	FINAL	FILM	
TOWANDA GRID HOGARTH PARTY 5	84-TJE	DATA	STATICS	BRUTE	FILM		
.	84-TJF	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TJG	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TJH	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TJJ	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
CHERRI FLANK HOGARTH PARTY 5	84-TJL	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJM	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJN	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJP	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJQ	DATA	BRUTE	PRELIM	FINAL	FILM	
FORTVILLE AREA HOGARTH PARTY 5	84-TNT	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TNW	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
		OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH

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TINGA TINGANA BLOCK, PEL 5 & 6 SA

ANNUAL EXPLORATION REPORT

1984

Distribution (21)

Delhi (15) - R.J.S Hollingsworth
M.P. Middleton
M. Zwigulis
J.T. Frazer
T.J. Mount
P.G. Moorfield
L. Endebrock
K.C. Dups
I.B. Galloway
R.S. Heath
P.F. McKenzie
J. Hughes
J.H. Allen
D.G. Hocking
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy

SAI Group
Delhi Petroleum Pty Ltd
January 1985

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- . Recording Statistics
- . Line Clearing Statistics
- . Drilling Statistics
- . Weathering Recording Statistics
- . Survey Statistics

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Processing Summary
Field Processing Statistics
Processing Status Report, Dec. 31 1984

5. INTERPRETATION

Interpretation Summary
Geophysical Maps Issued

1984 DRILLING SCHEDULE

RIG	TYPE	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB										
ODE RIG 5 CORELAB 496	IDECO 7-11 12000'+		NANKIE-1	TIRRA-37	TIRRA-38	TIRRA-36	TIRRA-39	TIRRA-41	MOONRA-1	TIRRA-35	TIRRA-46	TIRRA-45	TIRRA-48													
ODE RIG 6 GEOSERVICES	NAT 55 9500'		POORAKA	NAHUR 3	TODL-26	TODL-25	TODL-28	TODL-27	STAR-24	TODL-29	MARABOON-3	MOONRA-49	GIDGE-17	GIDGE-19	GIDGE-20	MANCO OCRA-2	MANCO OCRA-3	GIDGE-22								
ATCO RIG 1 CORELAB 206	NAT 610E 10000'+		TODL-23	TODL-24	KWDA-87	KWDA-48	DARA 10	TIRRA-42	CHRAD-1	MOONCHERA	NANKIE	MOONRA N-1	TODL-30	DULL N-4	KIDMAN-4											
S&T RIG 16 GEODATA 68	IDECO 900E 12000'+		LOHANA-1	TIRRA-40	TIRRA-43	FLT LAKE 7	HEARIN-17	HEARIN-19	TIRRA-47	TIRRA-44	MOOLION-1	BOOKABOURDIE-1	KENNT-1													
RICHTER RIG 14 CORELAB 417	NAT 80B 12000'+			TIRRA NTH-1	SNAKE HOLE-1	ANDREE-2		BURLEY-2		TINDILPIE-2	DREA-1	WALKILLE-1	TITAN 1													
RICHTER RIG 2 EX-LOG 299	NAT 55 9800'		C'KOD-3		STAR-20	STAR-22	STAR-21	STAR-23	DULL 36	HEARIN-18	KERINNA	LIMEST CRK-1	STAR-1	LIMEST CRK-2	KIDMAN-3	DARAL MCIE-1	BALLERA-1	TANDR-2	RIC NEPRA							
S&T RIG 14 GEODATA 81	NAT 610E 10000'+			PEPITA	KEILOR-1	MUDERA-2	MUDERA-3	KALANNA-1	OSARAI 1	BRUMBY-3	GIDC 18	LELEPTIAN-1	CHALUM-2	DENLET 1	MUNKAH-2											
RICHTER RIG 11 EX-LOG 294	COOPER LTO 750 7500'		JACK 20 JACK 23	JACK 21 JACK 24	JACK 25 JACK 26	WILS 4 WILS 5	WILS 6 WILS 7	WILS 8 WILS 9	DULL 35	DULL 36	DULL 37	MARC-3	MCA 3	B/L-36	B/L-37	B/L-38	GIDGE-21	PACKSADDLE-4	PACK-56 DOL-5	LIMEST CRK-3	LIMEST CRK-4	LIMEST CRK-5				
S&T 21 GEOSERVICE	T.S.M 6000 6500'+		NACC S 2	WILS-2	WILS 3	NACC S 3	C'KOD 4	NACC S 4	NACC S 5	C'KOD 5	C'KOD 6	NACC M-2	BOGALA-1	HEARIN-1	MCA N-3	ERANNA-1	NACC SYN-6	JACK SYN-7	NACC SYN-7	NACC SYN-7	NACC SYN-7	JACK SYN-7	NACC SYN-7	JACK SYN-7	NACC SYN-7	BILAL-2
S&T 17 GEODATA 80	NAT 610 10000'+			TANDR-1	DURHAM DWMS	HEARIN 10	PONDARIE 2	ULLENBURY	GALMAT-2	RUSSEL-1	HAMMOND-1	BOLDREWOOD 1	KERCU-MUJARR													
ODE RIG 12 GEODATA	IDECO 725 9500'			MUNKARIE-4	MURTEREE 2	TODL E-2	THREE QUEENS		MUNKARIE-5	NACC E-1	THURRA 1	BARTULAH-1	TIRRA- LAB-2	EPSILON-3												
ODE RIG 15 GEODATA 70	IDECO H-1700 12000'+							BIG LAKE-31	BIG LAKE-32	BIG LAKE-33	BIG LAKE-34	BIG LAKE-35														
		DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB										

4-JAN-85

DELHI PETROLEUM PTY LTD

1984 SEISMIC PROGRAMME

CREW	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN		
	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25		
CREW ONE VIBROSEIS (GSI)	27 68 M PC 4 22	219 108 T66 T66	NAC			FFT	T66	NAC			AOA	T-66			
CREW TWO VIBROSEIS (SSL)		130 76 72 52 78 MUR M-00 BTR P W PC BTR P W PC	186 82 49 53 P W P W	PC		PE		BTR N	PE	MEI A	PC	MEI (B) P C	PSW	MUL	L-M-UL
CREW THREE VIBROSEIS (NORPAC)		508	452 37	266 37 49 37 25	151	211 104	222	191 89	235 34						
CREW FOUR VIBROSEIS (GSI)	104 MOR 23	127 235 MOR WAR	184	AQB		AOC		YAM	A-A-OC DB	INN				705	
CREW FIVE VIBROSEIS (SEISCOM)				355	224 25 99	208 54 158 35 75 55	172	195	445	401	309 52	51	212	ARK	
CREW SIX VIBROSEIS (NORPAC)															
CREW SEVEN CORD. DYN (GES)							135 ARR	363 50 ARR	135 ARR	44 38 L-EY	304 LE				
	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	5 10 15 20 25	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN		

1. SUMMARY AND HIGHLIGHTS

Field Activities

Seismic recording operations in the Block were completed in September. Preliminary stack (60.1) sections of all lines were received in December.

The 1984 Hogarth-TIN Seismic Survey was recorded during the year for a total of 300 km at a cost of \$675,000. The programme consisted of 64 km of pre-detail seismic on the Cherri flank, 131 km pre-detail on the Towanda structure, 55 km regional in the Fortville area, and 50 km regional in the southern part of the Block. The programme was recorded in three parts by two seismic crews. All lines except the southern regional were recorded using Vibroseis energy source. The latter was recorded using a Cord-Dynamite source. The production rate of the seismic crews was good (averaging 10 km/day) and the survey was completed well within budget. A delay in computation of static corrections occurred due to a need to revise field survey computations in the Adelaide office and to a delay in the drilling and recording of uphole surveys. Data quality was fair.

General

Tinga Tingana Block Summary and Five-Year Plan being revised.

Programme Against BudgetSeismic

NOPE	Survey	Original Budget km	NOPE km	Forecast Final km
1343	Base Hogarth-TIN	200	300	300

NOPE	Survey	Original Budget \$	NOPE \$	Forecast Final \$
1343	Base Hogarth-TIN	560,000	775,000	675,000

Drilling

No wells were budgeted for the Block in 1984.

2. DRILLING

No wells were budgeted or drilled in the Tinga Tingana Block in 1984.

3. SEISMIC ACQUISITION

1984 Seismic Expenditure Table

Survey	NOPE	Original Budget \$	NOPE \$	Forecast Final \$
Base Hogarth-TIN	1343	575,000	775,000	675,000

1984 Seismic Acquisition Table

Survey	Original Budget km	NOPE km	Final km
Base Hogarth-TIN	200	300	300

Acquisition Summary

Line Clearance

Line clearing of the Vibroseis programme was completed on 3 August 1984. Three days were lost due to rain and minor problems occurred due to boggy conditions around Lake Blanche. Line clearing and ploughing of the Cord-Dynamite programme was completed on 1 September.

Surveying

Initial field work and survey reduction for the Vibroseis programme was completed on 18 August. The field survey computation required revision in the Adelaide office and was not completed until the end of September.

Field survey work for the Cord-Dynamite programme was completed on 4 September.

Drilling

Uphole drilling was completed on 9 October. This caused considerable delay in statics computation. Drilling on both crews was hampered by the breakdown of both rigs and water trucks.

Recording

The Vibroseis recording was completed in two parts. The crew completed recording of the Fortville grid on 18 July, then moved into the southern Toolachee Block. They recommenced on 4 August and completed the survey on 23 August. Production rate was high (average 10.9 km/day). The Cord-Dynamite recording commenced on 6 September. Production rate was good (average 7.7km/day).

Only one day was lost due to weather. All data were recorded with a 37.5m station interval with the exception of the Towanda grid (25 m station interval).

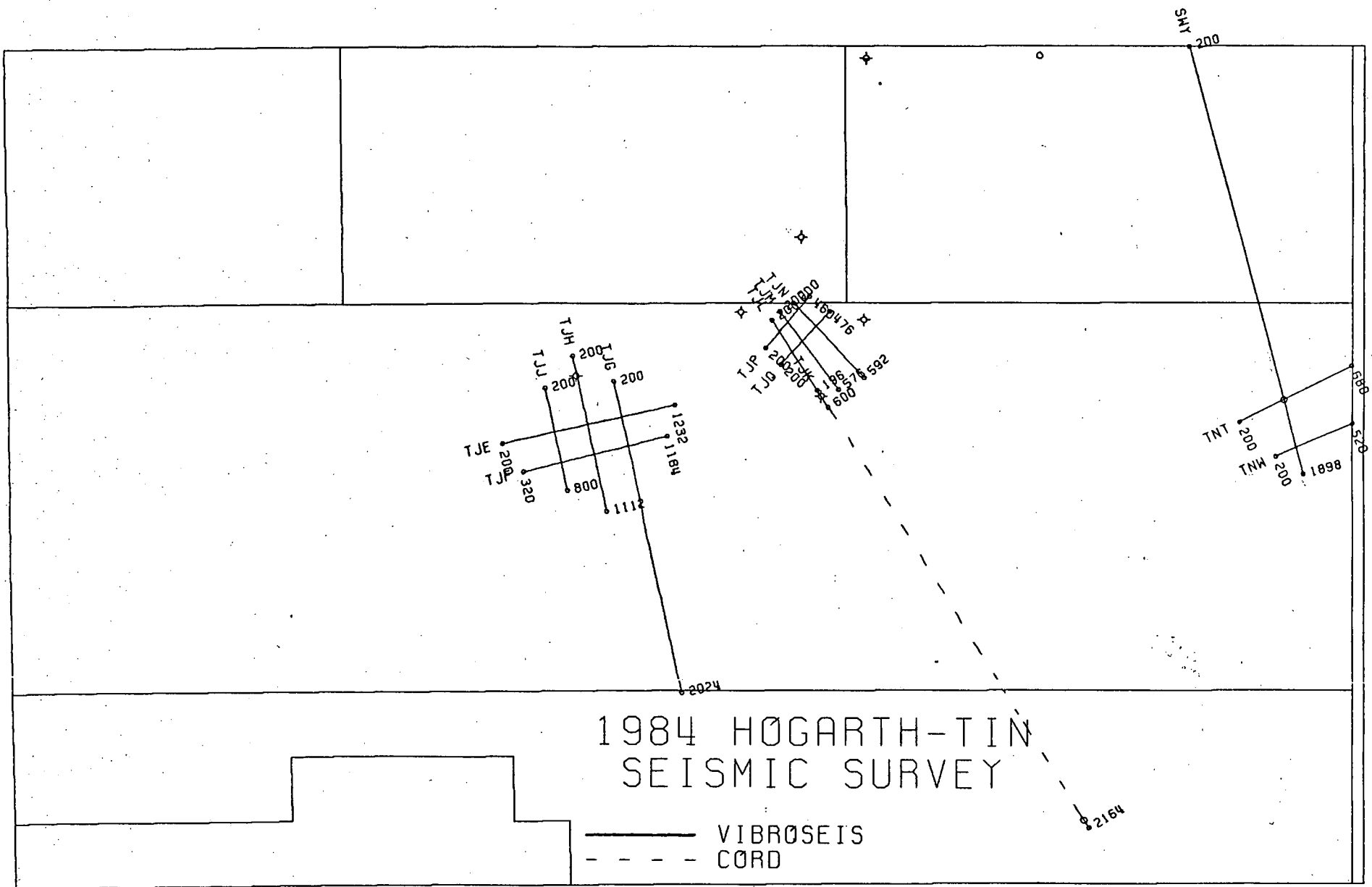
Statics Acquisition/Computation

Statics acquisition was completed on 9 October. No computations were performed in the field and all data were sent to the Adelaide office. Computation was completed by 15 October.

28 40 00S

29 45 00S

139 00 00E



0134

141 01 00E

Survey Line Index Map
and
Seismic Line List

1984 PROGRAMMEBlock: Tinga TinganaNOPE: 1343Survey: 1984 Hogarth-TINCherri Flank

84-TJL	200 - 600	15.000
84-TJM	200 - 576	14.100
84-TJN	200 - 592	14.700
84-TJP	200 - 460	9.750
84-TJQ	200 - 476	10.350

63.900

Towanda Grid 25m Station Interval

84-TJE	200 - 1232	25.800
84-TJF	320 - 1184	21.600
84-TJG	200 - 2024	45.575
84-TJH	200 - 1112	22.750
84-TJJ	200 - 800	15.000

130.725

Fortville Area

84-SWY	200 - 1220	Hogarth-T00
	1220 - 1900	25.500
84-TNT	200 - 676	17.850
84-TNW	200 - 518	11.925

55.275

Cherri-Tilcha Regional

84-TJK	200 - 1530	50.025
	1530 - 2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925

Recording Statistics

JULY
1984SEISMIC SURVEY
MONTHLY REPORTBLOCK TOOLACHEE
PROSPECT BURRUNA.
SOUTHERN REGIONAL.CONTRACTOR: S.D.U.
PARTY No. 5
PARTY B WAIN
CHIEF: J MURPHY.

COMMENTS

Briefly indicate - The operations and changes in technique
The difficulties and problems encountered
The results obtained and their quality
All remarkable dates

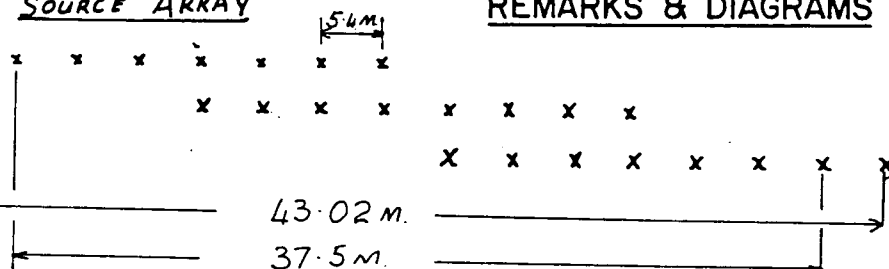
1-6-84 — 18-6-84

PARAMETERS

Record Length 1.6 SEC 12s + 4 LISTEN. Sample Rate 4 ms
8 HZ LOW CUT, SLOPE 18dB/OCT.
 Filters 90 HZ HIGH CUT, SLOPE 12dB/OCT. Recording Channels 96 + 5 AUX
#1 #48 #49 #96
 Spread Geometry 1818.75 - 56.25 - 0 - 56.25 - 1818.75
 Geophones and Array GSC 20D (10 HZ) 12 IN. LINE 3.4 m SPACING.
 Station Interval 37.5 Source Interval 150 m
 Coverage 1200%
 Source VIBROSEIS
 Source Location BETWEEN STATIONS
 Vibrator Geometry, Move Up 3 VIBRATORS IN LINE 2.88 m MOVE UP 11.5 PAD TO PAD
 Sweeps and Frequency 8 SWEEPS 12-85 HZ. LOG UPSWEEP.
 Linear Taper 25%
 Drive Level 30%

SOURCE ARRAY

REMARKS & DIAGRAMS



SPREAD GEOMETRY

1 48 49 96
 1818.75 56.25 1818.75



SURVEY: HOGARTH-TOO

JULY
1984SEISMIC SURVEY
MONTHLY REPORTBLOCK TOOLACHEE,
PROSPECT HARAKU,
BURJUNA REGION,
SOUTHERN REGIONALCONTRACTOR: S.D.U.
PARTY No.: 5
PARTY
CHIEF: B. WAIN.

RECORDING

DATE	LINE	STATIONS	No. OF STNS.	SURF. COVER KM.	PROFILES (VP's)	DATA QUALITY	HOURS REC'D.	HOURS TRAVEL	TOTAL CHARGE	STAND BY DOWN	OPERATIONAL FACTORS AFFECTING PRODUCTION
1	SWD	200/201-384/387	186	5.10	35	GOOD					
	SWC	308/307-200/199	108	4.05	28	GOOD					
	SWB	200/201-292/291	92	3.45	24	GOOD					
	STZ	200/201-368/369	168	6.30	43	GOOD	11.50	.75	12.25		
2	SWF	200/201-392/393	192	7.20	49	GOOD					
	SWG	392/391-200/199	192	7.20	49	GOOD					
	SWH	200/201-340/341	140	5.25	36	GOOD	11.00	.50	11.50		
3	SWH	344/345-456/457	116	4.35	29	FAIR-GOOD	11.00	1.00	12.00		
	BWL	200/201-532/533	332	12.45	84	FAIR-GOOD					
4	BWL	536/537-846/847	284	10.45	71	FAIR-GOOD	14.25	1.75	16.00	.25	PROBLEM LOADING SOFTWARE 4HRS MONTHLY TEST (MONTH JUNE)
	SWN	200/201-288/289	88	3.30	23	FAIR-GOOD					
5	SWN	292/293-436/437	148	5.55	37	GOOD	10.25	1.75	12.00		
	SWP	456/455-200/199	256	9.60	65	GOOD					
6	SWR	200/201-452/453	252	9.45	64	FAIR	10.75	.50	11.25	.25	25HR. LOST INITIALISING SYSTEM AT START OF DAY
	SWR	460/459-288/287	172	6.45	44	FAIR					
7	SWR	284/283-200/199	88	3.30	22	FAIR					
	SWS	200/201-456/457	256	9.60	65	FAIR					
	SWT	488/487-392/393	92	3.45	24	FAIR	10.25	1.25	11.50		
8	SWT	392/391-200/199	196	7.35	49	FAIR-GOOD	9.25	1.00	10.25		
	SWN	200/201-380/381	180	6.75	46	FAIR-GOOD					
9	SWN	384/385-448/449	88	3.30	22	FAIR	10.25	1.50	11.75		
	SWM	200/201-532/533	332	12.45	84	FAIR					
10	SWM	536/537-704/705	172	6.45	43	FAIR-GOOD	9.50	1.75	11.25		CAMP SHIFT. NARCONOWIE TO BOLLARD Lagoon. REC. CERN LONG LINE CHANGE
	SWY	200/201-236/237	36	1.35	10	FAIR-GOOD					
11	SWY	240/241-676/677	440	16.50	110	FAIR	10.25	1.25	11.50		
12	SWY	680/681-1132/1133	456	17.10	114	FAIR	10.50	.75	11.25		
13	SWY	1134/1137-1604/1605	472	17.70	118	FAIR	11.25	.75	12.00		
14	SWY	1608/1609-200/199	296	11.10	74	FAIR					1.75 ATTEMPTING TO COPY TAPES AT CLIENTS REQUEST (HIGH FREQUENCY)
	TNW	200/201-292/293	92	3.45	24	FAIR	10.30	1.25	11.75		
15	~	~	~	~	~	~	~	~	~	10.00	OVERNIGHT RAIN. TO WET TO WORK STAND-BY.
16	TNW	296/297-480/481	188	7.05	47	FAIR	4.50	1.50	6.00	4.00	STANDBY WET LINE IN MORNING.
	TNW	484/485-516/517	38	1.43	10	FAIR					
17	TNT	676/675-340/341	328	12.30	82	FAIR	8.75	1.25	10.00		
	TNT	344/343-200/199	148	5.55	37	FAIR					
18	SWZ	1260/1259-1148/1147	112	4.2	57	FAIR	9.00	1.0	10.00		2hr LINE MOVE.
19	SWZ	1146/1145-854/853	294	11.025	147	GOOD	8.75	1.25	10.00	0.5	1/2 hr DOWN TIME NO3 VIBE.
20	SWZ	852/851-512/511	312	11.70	150	GOOD	8.75	1.25	10.00		
21	SWZ	510/509-200/199	312	12.825	171	FAIR	10.00	2.75	12.75		HEAVY RAIN IN AFTERNOON SLOW TRAVEL TO CAMP.
22	SXA									10.00	STANDBY RAIN
23	SXA						1.75	3.75	5.50	5.00	LINE WET MOVING JUGS FROM SWZ.
24	SXA	200/201-416/419	218	8.175	109	FAIR	7.50	2.75	10.25		LINE STILL WET
25	SXA	420/421-622/623	204	7.65	102	FAIR	6.50	3.0	9.5	0.5	STANDBY WET LINE.
26	SXA	624/625-942/943	220	8.250	110	GOOD	8.0	2.25	10.25		RAIN THRU NIGHT CABLE LEAKAGE.
27	SXA	944/945-1132/1133	288	10.875	145	FAIR	8.5	1.5	10.0	0.25	BROKEN CABLE HEAD
28	SXW	200/201-414/415	214	8.025	107	FAIR	7.5	2.75	10.25		1.75 HR MOVING FROM SXA TO SXW.
TOTAL											CONT.

KILOMETRES / WORK HOUR

KILOMETRES / CHARGE HOUR

APPROVED BY: (Rep.)

COMPILED BY:
POSITION:

AUGUST
1984..SEISMIC SURVEY
MONTHLY REPORTBLOCK TINGA TINGANA
TOOLACHEE
PROSPECT CHERRIE
SOUTHERN REGIONALCONTRACTOR: S.D.U
PARTY No: 5
PARTY: J. MURPHY
CHIEF: B. WAINCOMMENTS

Briefly indicate - The operations and changes in technique
The difficulties and problems encountered
The results obtained and their quality
All remarkable dates

PARAMETERS (1st. - 10th. AUGUST)

Record Length 16 sec. (12 sec. + 4 sec listen) Sample Rate 4 ms

Filters 90 Hz High Cut, Slope 72 db/OCT
8 Hz Low Cut, Slope 18 db/OCT Recording Channels 96 + 5 aux.

Spread Geometry (1) 1818.75 m - (48) 56.25 m - 0 - (49) 56.25 m - (96) 1818.75

Geophones and Array GSC 20D (10 Hz), 12 in line, 3.4 m spacing

Station Interval 37.5 m Source Interval 75.0 m

Coverage 2400 %

Source VIBROSEIS

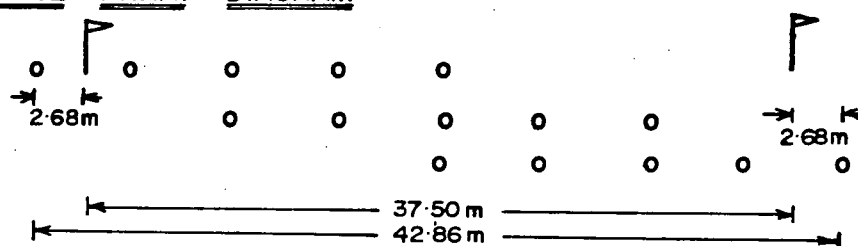
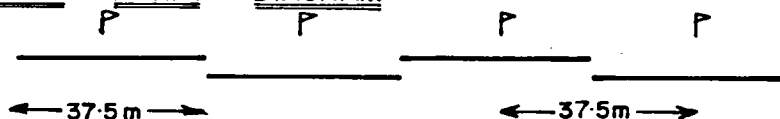
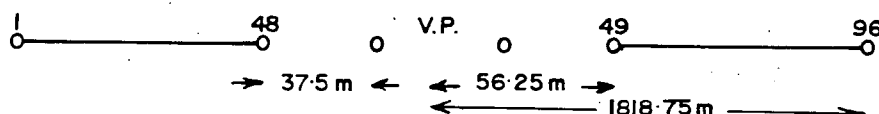
Source Location Between Stations

Vibrator Geometry, Move Up 3 Vibrators in Line, 5.36 m Move Up, 10.71 m Pad To Pad

Sweeps and Frequency 5 Sweeps, 12 - 85 Hz Log Upsweep

Linear Taper 25 %

Drive Level 30 %

REMARKS & DIAGRAMSSOURCE ARRAY DIAGRAMRECEIVER ARRAY DIAGRAMSPREAD GEOMETRY

AUGUST
1984SEISMIC SURVEY
MONTHLY REPORTBLOCK TINGA TINGANA
PROSPECT WEENACONTRACTOR: S. D. U.
PARTY No.: 5
PARTY CHIEF: J. MURPHY
B. WAINCOMMENTS

Briefly indicate - The operations and changes in technique
The difficulties and problems encountered
The results obtained and their quality
All remarkable dates

PARAMETERS (11 th. - 23 rd. AUGUST)

Record Length 16 sec. (12 sec. + 4 sec listen) Sample Rate 4 ms

Filters 90 Hz High Cut, Slope 72 db/OCT
8 Hz Low Cut, Slope 18 db/OCT Recording Channels 96 Data + 5 Aux.

Spread Geometry (1) 1212.5 m - (48) 37.5 m - 0 - (49) 37.5 m - (96) 1212.5 m

Geophones and Array GSC 20D (10 Hz), 12 in line, 2.27 m spacing

Station Interval 25.0 m

Source Interval 75.0 m

Coverage 1600 %

Source VIBROSEIS

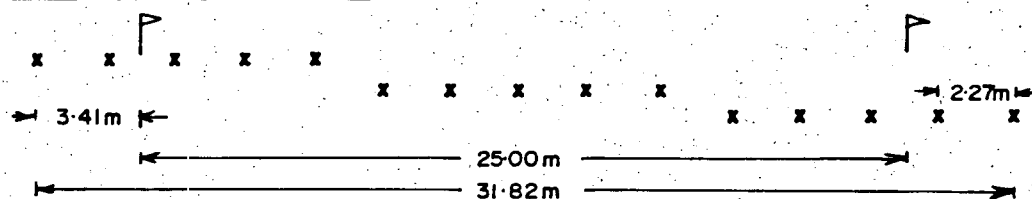
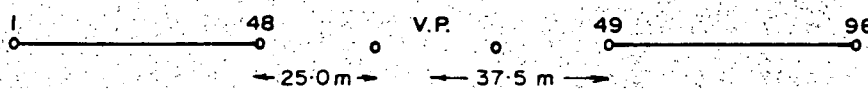
Source Location Between Stations

Vibrator Geometry, Move Up 3 Vibrators in line, 2.27 m Move Up, 11.36 m Pad to Pad

Sweeps and Frequency 5 Sweeps, 12 - 85 Hz Log Upsweep

Linear Taper 25 %

Drive Level 30 %

REMARKS & DIAGRAMSSOURCE ARRAY DIAGRAMRECEIVER ARRAY DIAGRAMSPREAD GEOMETRY

AUGUST
1984SEISMIC SURVEY
MONTHLY REPORTBLOCK TINGA TINGANA
TOOLACHEE MOOMBA
PROSPECT South Region
Cherri Weena MoombaCONTRACTOR: S.D.U.
PARTY No.: 5
PARTY: J. MURPHY
CHIEF: B. WAIN

RECORDING

DATE	LINE	STATIONS	No. OF STNS.	SURF. COVER KM.	PROFILES (VP's)	DATA QUALITY	HOURS REC'D.	HOURS TRAVEL	TOTAL CHARGE	STAND BY DOWN	OPERATIONAL FACTORS AFFECTING PRODUCTION
1	SWX	1154/1155 - 1410/1411	258	3.675	129	GOOD	7.50	2.00	10.00	0.50	0.5 HRS VIBES BOGGED IN SAND DUNES
2	SWX	1412/1413 - 1652/1653	242	3.075	121	GOOD	7.75	2.00	10.00	0.25	0.25 DETOUR AROUND FENCES
3	SWX	1654/155 - 1760/161	108	4.050	54	GOOD	8.00	2.00	10.00	~	
4	TJP	200/1 - 222/3	22	0.825	12	GOOD	9.50	0.50	10.00	~	CAMP MOVE, BOLLARDS LAGOON TO STRZELEKI CROSSING
5	TJP TJN	224/5 - 460/1 200/1 - 230/1	238 30	8.925 1.125	119 16	FAIR GOOD	9.00	1.00	10.00	~	
6	TJN	232/3 - 534/5	304	11.400	152	FAIR GOOD	8.75	1.25	10.00	1.25	1.25 HRS DOWN - FUEL PROBLEM IN RECORDER
7	TJN TJM	536/7 - 592/3 576/5 - 338/7	58 238	2.175 8.925	29 120	GOOD	8.75	1.25	10.00	~	
8	TJM TJL	336/6 - 200/199 200/1 - 366/7	138 166	5.175 6.225	69 84	GOOD	9.25	1.00	10.25	0.25	DOWN TIME - 5 MIN RADIO PROBLEM 10 MIN RAMP IV PROBLEM
9	TJL TJQ	368/9 - 600/1 200/1 - 372/3	234 72	8.775 2.700	117 37	F-G GOOD	8.75	1.25	10.00	0.25	DOWN TIME - 15 MIN REFUELING VIBES
10	TJQ	374/5 - 476/5	204	7.650	102	FAIR GOOD	10.50	0.75	11.25	~	CAMP MOVE - STRZELEKI CROSSING TO EASTERN END OF TJE. 2.25 HRS FOR EXPERIMENTALS IN WEENA
11	TJE	1232/3 - 818/7	414	10.350	139	FAIR GOOD	9.50	0.50	10.00	~	
12	TJE	815/4 - 335/4	483	12.075	161	FAIR GOOD	9.25	0.75	10.00	~	
13	TJE TJJ	332/1 - 200/199 200/1 - 455/6	135 255	3.375 6.375	45 86	GOOD	9.00	1.25	10.25	~	
14	TJJ TJF	458/9 - 800/1 320/1 - 380/1	345 60	8.625 1.500	115 21	GOOD	8.75	1.50	10.25	~	LINE TJE S.O.L VP 320 DUE TO BOGGY CONDITIONS
15	TJF	383/4 - 782/3	402	10.050	134	GOOD	9.00	1.25	10.25	~	
16	TJF	785/6 - 1184/5	402	10.050	134	GOOD	9.00	1.25	10.25	0.25	0.25 HRS DOWN - FUEL PROBLEM IN BACK MOTOR OF VIBE #3
17	TJH	1112/1 - 683/2	429	10.725	144	GOOD	9.25	1.00	10.25	0.25	0.25 HRS DOWN - REPLACE AIR BAG ON VIBE #3
18	TJH	680/79 - 266/5	417	10.425	139	GOOD	8.75	1.25	10.00	~	
19	TJH TJG	263/2 - 200/199 200/1 - 566/7	66 366	1.650 9.150	22 123	GOOD	9.00	1.00	10.00	~	
20	TJG	569/70 - 1007/8	441	11.025	147	GOOD	8.75	1.25	10.00	~	
21	TJG	1010/1 - 1391/2	384	9.600	128	GOOD	8.50	1.50	10.00	0.50	0.50 HRS DOWN - DFS V ERRORS
22	TJG	1394/5 - 1775/6	384	9.600	128	GOOD	8.75	1.25	10.00	~	0.25 HRS FOR DETOURS
23	TJG	1778/9 - 2024/5	249	6.225	83	GOOD	9.25	0.75	10.00	~	CAMP MOVE - WEENA TO MOOMBA AREA (133 KM)
24	TPK	200/1 - 552/3	352	13.200	177	FAIR GOOD	10.75	0.75	11.50	1.50	1.50 HRS. DOWN - SEG B TAPE TRANSPORT
25	TPK TPJ	554/5 - 700/1 364/3 - 200/199	148 164	5.550 6.150	74 83	FAIR	9.25	0.75	10.00	~	
26	TPQ TPM	200/1 - 344/5 440/39 - 248/7	144 192	5.400 7.200	73 97	FAIR	9.50	0.50	10.00	0.50	0.5 HRS DOWN - DFS V PROBLEM
27	TPM TPL	246/5 - 200/199 200/1 - 532/3	48 332	1.800 12.450	24 167	FAIR	10.25	0.75	11.00	~	
28	TPR	530/1 - 200/199	320	12.000	161	GOOD	9.75	0.50	10.25	~	
29	TPP TPN	392/1 - 200/199 200/1 - 428/9	192 228	7.200 8.550	97 115	GOOD	10.75	0.50	11.25	~	MAKE-UP ON S.O.L. TPN AS FENCES & SAND HILLS RESTRICTED ACCESS
30	TPY TPR	396/5 - 200/199 200/1 - 396/7	196 196	7.350 7.350	98 98	GOOD	11.00	0.25	11.25	~	PRODUCTION STARTED WITH NEW SEG B 6250 TRANSPORT
31	TQB TQC	396/5 - 200/199 200/1 - 424/5	196 224	7.350 8.400	98 112	GOOD	10.50	0.50	15.00	~	4 HRS - MONTHLY TESTS
TOTAL			10,476	327.450	4,384		286.25	32.00	323.00	5.50	

KILOMETRES / WORK HOUR 1.144

KILOMETRES / CHARGE HOUR 1.014

APPROVED BY: *Brester One* (Rep.)COMPILED BY: J. MURPHY
POSITION: PARTY MANAGER

RECORDING INFORMATION FOR PERIOD: 24.-31.AUGUST.1984

CONTRACTOR: GES PARTY 7-1

SURVEY: 1984 HOGARTH - ARR

LINES: 84-SPK, 84-TJK

BLOCK: ARROWIE

AREA: REGIONAL

INSTRUMENTATIONINSTRUMENTS
NO. CHANNELS
TAPE FORMAT

: SERCEL SN 338 AR

: 96

SEG- B , 1600 BPI ?E

SEG- BPI

FILTERS, SLOPE

: HI-CUT 125 HZ, 24 DB/OCT

: LO-CUT 12.5 HZ, 12 DB/OCT

SAMPLE RATE
RECORD LENGTH

: 2. MS

: 4. S (S SWEEP, S LISTEN)

RTC

: - YES/NO

CORRELATION TYPE

: - ZERO PHASE/MIN PHASE

SOURCE DATA

VIBRATORS/ELECTRONICS

SWEEP FREQUENCY

SWEEP FUNCTION, SWEEPS/VP

ARRAY

AMPLITUDE TAPER

DRIVE LEVEL

COSINE TAPER

NO., P-PM, MOVEUPM

%

%

S

RECEIVER DATA

MANUF./MODEL /RES. FREQ.

: GEOSPACE / GSC 20-b/395A/8HZ

NO./STRING, HOW CONNECTED

: 12/STRING 6x2

FIELD PARAMETERS

RECEIVER INTERVAL (STN)

: 37.5

RECEIVER LOCATION

: GROUPS CENTRIED ON STATIONS

RECEIVER ARRAY

: INLINE AT 6.8 METRE ELEMENT SPACING

SVP INTERVAL

: 4 STATIONS (ISOMETRIES)

SVP LOCATION

: CENTRIED BETWEEN STATIONS

SPREAD CONFIGURATION

: 1762.5 - 93.75 - 0 - 93.75 - 1762.5M

CENTRE GAP

: 4 STATION

MULTIPLICITY

: 1200 %

COMMENTS

SOURCE - ICI REDCORD.

2x 50 METRE / SHOT POINT

SHOTS CENTRIED BETWEEN STATIONS



DELHI PETROLEUM PTY. LTD.

RECORDING PRODUCTION FOR PERIOD : 24 AUGUST - 31 AUGUST 1984

DATE	LINE	km	STN - STN	N ^o STN's	N ^o V.P.'s S.P.'s	QUALITY	WORK hrs	TRAVEL hrs	S/BY hrs	DOWN hrs	LINE MOVE hrs	TOTAL CHARGE hrs	REMARKS
24	SPK	7.2	296 - 484	188	48	F-P	6.75	.75	2.5	.	.	10.0	STANDBY TIME DUE TO VERY STRONG WIND INCREASING TO GALE FORCE IN THE AFTERNOON.
25	SPK	14.4	488 - 868	382	96	P-F	11.0	.75	.	.	.	11.75	STRONG WINDS IN MORNING DECREASED IN THE AFTERNOON.
26	SPK	12.6	872 - 1204	332	84	P	10.75	1.25	.	.	.	12.0	WIND AFFECTED DATA QUALITY. SPREAD BURIED.
27	SPK	12.6	1208 - 1540	332	84	P-F	10.25	1.75	.	.	.	12.0	
28	SPK	10.8	1544 - 1828	284	72	P-F	8.25	2.0	.	.	.	10.25	
29	SPK	12.6	1832 - 2164	332	84	P-F	10.5	1.5	.	.	.	12.0	
30	SPK	12.6	2168 - 2500	332	86	F-P	11.0	.75	.	.	.	11.75	CHARGE SIZE COMPARISON CONDUCTED
31	SPK	8.25	2504 - 2720	216	55	P-F	13.0	.5	.	.	.	13.5	FLOWING BORE CAUSED NOISE ON SPREAD.
	TJK	7.05	2164 - 1976	188	48	P							STRONG WIND, GUSTY AT TIMES AFFECTED DATA QUALITY. MONTHLY INSTRUMENT TEST CONDUCTED
TOTAL		98.1		2586	657		81.5	9.25	2.5			93.25	

AVERAGE km/DAY THIS PERIOD

12.26

AVERAGE km/CHARGE HR THIS PERIOD

1.05

CUMULATIVE km THIS MONTH

345.85

CUMULATIVE CHARGE HRS THIS MONTH

355.50

0143

RECORDING INFORMATION FOR PERIOD: 1 SEPTEMBER - 7 SEPTEMBERCONTRACTOR: GES PARTY 7-1.....SURVEY: 1984 HOCARTH - ARR.....LINES: 84 - TSK.....BLOCK: ARROWIE / TINCA TINGANAAREA: REGIONAL.....INSTRUMENTATIONINSTRUMENTS
NO. CHANNELS
TAPE FORMAT: SERCEL SN 338 HR
: 96SEG- B, 1600 BPI PF.....
SEG- BPI

FILTERS, SLOPE

: HI-CUT 125 HZ, 24 DB/OCT
: LO-CUT 12.5 HZ, 12 DB/OCTSAMPLE RATE
RECORD LENGTH
RTC
CORRELATION TYPE: 2 MS
: 4 S (S SWEEP, S LISTEN)
: - YES/NO
: - ZERO PHASE/MIN PHASESOURCE DATAVIBRATORS/ELECTRONICS
SWEEP FREQUENCY
SWEEP FUNCTION, SWEEPS/VP
ARRAY
AMPLITUDE TAPER
DRIVE LEVEL
COSINE TAPERNO., P-PM, MOVEUPM
%
%
SRECEIVER DATAMANUF./MODEL /RES. FREQ.
NO./STRING, HOW CONNECTED: GEOSPACE/GSC 20-b/395 r/8 HZ
: 12/STRING 6x2FIELD PARAMETERSRECEIVER INTERVAL (STN)
RECEIVER LOCATION
RECEIVER ARRAY
SVP INTERVAL
SVP LOCATION
SPREAD CONFIGURATION
CENTRE GAP
MULTIPLICITY: 37.5
: GROUPS CENTRED ON STATIONS
: INLINE AT 6.8 METRE ELEMENT SPACING
: 4 STATIONS (150 METRES)
: CENTRED BETWEEN STATIONS
: 1762.5 - 93.75 - 0 - 93.75 - 1762.5M
: 4 STATION
: 1200 %COMMENTS

SOURCE - ICI REDCORD

2 X 50 METRE /SHOT POINT

SHOTS CENTRED BETWEEN STATIONS



DELHI PETROLEUM PTY. LTD.

RECORDING PRODUCTION FOR PERIOD : 1 SEPTEMBER - 7 SEPTEMBER 1984

DATE	LINE	km	STN - STN	Nº STN's	Nº V.P.'s S.P.'s	QUALITY	WORK hrs	TRAVEL hrs	S/BY hrs	DOWN hrs	LINE MOVE hrs	TOTAL CHARGE hrs	REMARKS
1	TJK	10.8	1972 - 1688	284	72	P-F	10.75	.75	.50	.	.	11.50	.5 HR DOWNTIME DUE TO BOGGED RECORDER. WIND AFFECTED DATA QUALITY.
2	TJK	14.4	1684 - 1304	380	96	P-F	10.75	1.25	.	.	.	12.0	WIND AFFECTED DATA QUALITY.
3	TJK	6.3	1300 - 1136	164	42	F-P	5.0	1.25	3.75	.	.	10.0	STANDBY (3.75 HRS) DUE TO STRONG WINDS IN AFTERNOON.
4	TJK	10.8	1132 - 848	289	72	P	7.5	1.75	1.0	.	.	10.25	1.0 HR STANDBY DUE TO WIND. WIND AFFECTED DATA QUALITY. LIGHT RAIN FELL IN EARLY A.M.
5	TJK	14.4	844 - 464	380	96	F-G	9.75	2.25	.	.	.	12.0	1 SHOT LOST (SPT 60) DUE TO INSTRUMENT MALFUNCTION.
6	TJK	10.05	460 - 196	264	67	F-G	8.5	2.75	.	.	.	11.25	COMPLETED LINE TJK, PICKED UP SPREAD AND RETURNED TO CAMP.
7	.	.	.	.	.	.	.	.	.	.	10.0	10.0	PACKED UP CAMP AND MOVED FROM TILCH BORE TO LAKE FROME. FROM NORTHERN END OF LINE TJK TO WESTERN END OF LINE SPR. FOR LAKE FROME DYNAMITE EXPERIMENTALS.
													A LINE MOVE OF APPROX 250KI
TOTAL		66.75		1761	445		52.25	10.0	5.25		10.0	77.0	

AVERAGE km/DAY THIS PERIOD

9.53

AVERAGE km/CHARGE HR THIS PERIOD

.86

CUMULATIVE km THIS MONTH

66.75

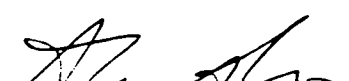
CUMULATIVE CHARGE HRS THIS MONTH

77.0

0145

Line Clearing Statistics

JULY
1984SEISMIC SURVEY
MONTHLY REPORTBLOCK
PROSPECTCONTRACTOR: S. D. U.
PARTY No: 5
PARTY
CHIEF: B. WAIN

DATE	LINE CLEARANCE										REMARKS
	CAT D 7G			CAT D 7F			CAT GRADER			DOZER LEAD KM.	
	LINES	KMS	HOURS	LINES	KMS	HOURS	LINES	KMS	HOURS		
1	SNX	11.30	12.00	SNY	14.00	12.00			~	AC	GRADER DOWN - TRANSFER CASE
2	SNX	6.70	10.00	SNY	8.00	10.00			~	AC	" " " "
3	SNX	5.00	11.00	SNY	13.00	11.00			~	AC	" " " "
4	SNX	10.00	12.00	SNY	8.00	11.00			~	AC	" " " "
5	SNX	6.50	10.50	SNY	12.00	11.00			6.00	AC	D7G IN HEAVY SAND DUNE COUNTRY. GRADER MAKING ACCESS NARCONA SOUTHERN REGIONAL.
6	SNX	6.00	9.50	SNY TNT	4.00 3.00	11.00			13.00	AC	GRADING ACCESS NARCONA SOUTHERN REGIONAL D7G DOWN 1.5 HR. SERVICE.
7	SNX SXA	2.00 2.80	11.00	TNT	12.00	11.00	SNY		11.00	AC	D7G WALK 20.0 KLM. SNX-SXA.
8	SXA	10.00	12.00	TNT TNW	3.10 4.90	11.00	SXA		11.00	AC	
9	SXA	10.50	11.50	TNW	7.10	12.00	TNW		12.00	AC	
10	SXA	12.00	11.50			11.00	SNY		12.00	AC	D7F WALKING TO ROAD TO BE FLOATED.
11	~	~	~	~	~	~	~	~	~	AC	CAMP SHIFT
12	~	~	~			6.00	SNX		12.00		D7G. CAMP SHIFT. D7F 6.0 HR. RUBBISH TIP AND DRAINAGE @ NEW BASE CAMP.
13			5.00	TJL	1.9	10.00	SNX SNZ		15.00	AC	D7G 6.0 HR. FLOAT. D7F 10.0 HR. INCLUDES 4.0 HR. WALK TO S.D.L. VERY ROCKY GROUND. BOTH DOZERS NOW ON TINGA TINGAMA PROJECT.
14	TJP	5.00	11.50	TJL	8.00	11.50			13.00	AC	GRADED 2 AIRSTRIPS @ BOLLARDS LAGOON HOMESTEAD.
15			10.00			10.00			10.00	AC	D7G 10 HRS STANDBY RAIN. D7F 10 HRS STANDBY RAIN.
16	TJP	4.8	9.00	TJL	3.0	9.0			10.00	AC	D7G 1 HR WALK TO TJL. GRADER ON S'BY D7F 2 HR STANDBY WET. WET LINES
17	TJQ	8.0	12.0	TJL TJM	2.0 8.2	12.0	TJP		9.0	AC	D7F 1 HR WALKING TO TJM. GRADE ACCESS TO TJP.
18	TJQ TJG	2.3 2.0	11.0	TJM TJN	5.8 2.2	12.0	TJP		5.0	AC	D7G 2 HR WALK 2 HR FLOAT D7F 1 HR WALK. GRADER 5 HR DOWN.
19	TJG	4.5	12.0	TJN	9.0	12.0	TJP TJL		12.0	AC	D7G CUT 4 KM DETOUR AROUND LAKE.
20	TJG	10.5	11.5	TJN TJG	2.0 1.0	10.0	TJL TJQ		10.0	AC	D7F 1 HR FLOATING. BUILT RAMP OVER PIPELINE.
21	TJG	0.0	10.0	TJG	4.2	10.0	TJN		10.0	AC	D7F 3.5 HRS STANDBY. D7G 8 HR STANDBY. GRADER 3 HR STANDBY WET.
22		~	10.0		~	10.0	~		10.0	AC	STANDBY 10 HRS WET LINES
23		~	10.0		~	10.0	~		10.0	AC	STANDBY 10 HRS WET LINES
24		~	10.0		~	10.0	~		10.0	AC	STANDBY 10 HRS WET LINES
25	TJG	2.0	10.0		~	10.0	~		10.0	AC	D7F AND GRADER DOWN WET LINES 10 HRS. STANDBY.
26	TJG	10.0	10.0	TJG	4.5	10.0	~		10.0	AC	D7F CUT DETOUR AROUND WATER HOLE. GRADER 10 HRS STANDBY.
27	TJG	6.0	10.0	TJF	2.0	10.0	~		10.0	AC	GRADER 10 HRS STANDBY D7F 4 HRS WALKING TO TJF.
28	TJG TJE	2.3 5.3	10.0	TJF	4.0	10.0	~		10.0	AC	GRADER STANDBY 10 HRS. D7F WALKED DOZER TO TAKE OFF.
29	TJE	3.0	10.0	TJF	5.0	10.0	~		10.0	AC	GRADER STANDBY 10 HRS. D7G CUT ACCESS RAMP OVER PIPELINE.
30	TJE	7.0	10.0	TJF	6.0	10.0	TJN		10.0	AC	D7G WALKING 1 1/2 HR.
31	TJE	8.5	10.0	TJF	5.5	10.0	TJN		10.0	AC	D7F BOGGY AROUND LAKE BLANCH GRADER START ON AIRSTRIP.
TOTAL		104.0	303.0		163.4	313.5			271.0		

TOTAL CLEARED / TOTAL HOURS 327.4 KM.
887.5 HRSCOMPILED BY: BRIAN WAIN
POSITION: PARTY MANAGER



DELHI PETROLEUM PTY. LTD.

LINE CLEARANCE SUMMARY FOR PERIOD : 24 AUGUST - 31 AUGUST 1984

DOZER #1 PLOUGH				DOZER #2				DOZER #12 + LOW LOADER				GRADER			REMARKS
LINE	km	DOWN hrs	CHARGE hrs	LINE	km	DOWN hrs	CHARGE hrs	LINE	km	DOWN hrs	CHARGE hrs	LINE	DOWN hrs	CHARGE hrs	
SPK	16.2		10.5	SPK	18.0		10.5	SPK	3.0		10.5	SPK		10.50	UNIT 12 COMPLETED CUTTING ON THIS PROSPECT.
															GD. GRADED LINE AND TAMPED REDCORD.
SPK	9.6			TJK	18.0		10.5				11.0	SPK		10.50	UNIT 12 CUT 1.0 KM TAIL ON LINE TJK.
TJK	1.0		10.0												UNIT 12 WALKING TO LOW LOADER GD. TAMP REDCORD + GRADIE LINE.
TJK	1.0		9.5	TJK	7.0		11.0	LOW LOADER			10.0	SPK		11.0	LOW LOADER FLOATED UNIT 12 TO MOOMBA.
															GD. TAMPING REDCORD + GRADING REDCORD.
TJK	22.6		11.0	TJK	13.0		11.5	LOW LOADER			8.0	TJK		11.5	LOW LOADER UNLOAD UNIT 12 AND RETURN TO ARROWIL AREA.
															GD. CONSTRUCT AIRSTRIP + GRADIE LINE.
TJK	14.0		11.0	TJK	10.0		11.0					TJK		10.5	GD. GRADING LINE + TAMP REDCORD.
TJK	10.0		11.0	TJK	12.0		11.5					TJK		10.5	GD. GRADING LINE.
TJK	14.5		12.0	TJK	11.0		12.0					TJK		8.0	GD. GRADE LINE, COMPLETE AIRSTRIP, GRADE ACCESS ROAD.
TJK	13.6		13.0	TJK	10.4		13.5					TJK		12.0	UNIT 1 SECOND CUTTING OVER SAND DUNES WHERE NEEDED.
															UNIT 2 COMPLETED CUTTING LINE TJK. GD. TAMPING.
	121.5		88.0		94.4		91.5		3.0		39.5			84.5	REDCORD + GRADING LINE.



AUGUST 1984..		SEISMIC SURVEY MONTHLY REPORT								BLOCK TINGA TINGANA TOOLACHEE MOOMBA PROSPECT South Region Cherri Weena Moomba		CONTRACTOR: S.D.U. PARTY No: 5 PARTY J. MURPHY CHIEF: B. WAIN	
DATE	LINE CLEARANCE										DOZER LEAD KM.	REMARKS	
	CAT D7 G			CAT D7 F			CAT Grader						
	LINES	KMS	HOURS	LINES	KMS	HOURS	LINES	KMS	HOURS				
1	TJJ	5.0	10.00	TJE TJH	2.2 3.0	10.00	TJE	~	10.00		GRADING CHERRI AIRSTRIP		
2	TJH	10.0	10.00	TJJ	7.0	10.00	TJE	~	10.00				
3	TJH	9.8	10.00	TJJ	3.0	10.00	TJG, TJF TJJ	~	10.00		WALKING DOZERS TO ROAD TO FLOAT TO NEW AREA		
4	~	~	10.00	~	~	10.00	TJJ TJH	~	12.00		WALKING DOZERS TO ROAD TO FLOAT TO NEW AREA		
5	~	~	10.00	~	~	10.00	TJH TJG	~	11.00		DOZER FLOATED TO MOOMBA - NO NEW PROGRAM - DOZERS ON STANDBY		
6	~	~	10.00	~	~	10.00	TJG	~	11.00		DTF - 2 HRS CUTTING DRAINS + RUBBISH PIT DOZERS ON STANDBY		
7	~	~	10.00	~	~	10.00	~	~	10.00		MACHINES ON STANDBY, WAITING APPROVAL TO START MOOMBA PROGRAM		
8	~	~	0.00	~	~	0.00	~	~	0.00		MACHINES DOWN - OPERATORS ON BREAK - APPROVAL TO START LINES		
9	~	~	0.00	~	~	0.00	~	~	0.00		ALL MACHINES DOWN - OPERATORS ON BREAK		
10	TPN	3.0	4.00	~	~	0.00	~	~	0.00				
11	TPN TPM	5.6 1.0	6.25	~	~	0.00	~	~	0.00				
12	TPM	5.0	10.00	~	~	0.00	~	~	10.00		GRADER WALKING TO MOOMBA		
13	TPM TPL	3.1 8.5	10.00	~	~	0.00	~	~	0.00				
14	TPL	3.5	10.00	~	~	0.00	~	~	0.00		2 RAMPS OVER PIPELINES		
15	TPL TPK	0.4 4.0	10.00	~	~	0.00	~	~	0.00				
16	TPK	2.6	10.00	~	~	0.00	TPN TPM	15.0	11.50				
17	TPK	4.6	11.00	~	~	0.00	TPL	10.5	11.00		REPLACEMENT DTF (NR 20) ARRIVED		
18	TPK	6.0	12.00	TPR	3.5	5.00	TPN TPM	15.0	12.00				
19	TPK TPQ	1.6 3.9	11.00	TPR	6.0	11.00	TPK TPR	~	12.00				
20	TPQ TPJ	1.5 5.0	12.00	TPR TQJ	2.5 3.5	12.00	TPR TPQ	~	12.00				
21	TPJ TQF	1.1 9.0	12.00	TQJ TPP	4.5 7.2	12.00	TPJ TQF	~	12.00				
22	TQF TQD	7.1 0.5	11.00	TQJ	3.0	11.00	TPP TQP	~	11.00		BIG SAND DUNES		
23	TQD	16.8	11.00	TQJ	6.0	12.00	TQJ TPN	~	10.00		BIG SAND DUNES PIPELINE CROSSINGS		
24	TQD TQC	0.3 8.5	12.00	TQJ	7.0	11.00	TPR TQJ	~	12.00				
25	TQB TQA	7.4 6.1	12.00	~	~	0.00	TQD TQC	~	12.00		DTF (NR 20) FLOATED FROM JOB		
26	TQA TPY	1.3 7.4	12.00	~	~	0.00	TQA TPY	~	12.00		DTF (NR 12) ARRIVED ON SITE LATE AFTERNOON		
27	TPW TPT	7.4 5.2	11.00	TQK	8.0	12.00	TPY TPW	~	10.00		1.0 HRS STANDBY, AT PIPELINE WAITING ON SANTOS REPS.		
28	TPT	9.5	11.50	TQK TPZ	3.9 5.1	11.50	TPT	~	8.00				
29	TPS TQE	14.0	12.00	TPZ	8.0	11.50	TPZ TQJ	~	12.00		BUILT 3 RAMPS		
30	TQE	10.5	11.00	TPZ	6.4	5.50	TPZ TQK	~	11.00				
31	TQF TQX	12.6	11.00	TQG	4.0	9.00	TPS TQE	~	10.00				
TOTAL		208.8	302.75		93.8	193.50			262.50				

TOTAL CLEARED / TOTAL HOURS 0.610 Km./Hr.

 COMPILED BY : J. MURPHY
 POSITION : PARTY MANAGER

Brent One

SEPTEMBER
1984...SEISMIC SURVEY
MONTHLY REPORTBLOCK MOOMBA
BTR
PROSPECT BIG LAKE
GIDGEALPACONTRACTOR : SDU
PARTY No : 5
PARTY
CHIEF : B. WAIN

DATE	LINE CLEARANCE									DOZER LEAD KM.	REMARKS
	CAT D764			CAT D762			CAT				
	LINES	KMS	HOURS	LINES	KMS	HOURS	LINES	KMS	HOURS		
1	TQX	11.4	11.50	~	~	0.00	TPX		11.00		D762 DOWN FOR REPAIRS.
2	TQG	8.4	8.00	~	~	0.00	TQG		10.50		D762 DOWN FOR REPAIRS.
3	TQH	6.3	12.00	TQX	6.6	9.00	TQH TQG		12.00		
4	TQH TQP	6.0 4.5	11.50	TQX TQW	4.8 5.0	11.50	TQH		11.00		
5	TQP	9.0	12.00	TQW TQS TQR	2.6 10.4 2.7	12.00	TQM, TQN TQR, TQS TQR		9.00		
6	TQP	7.6	11.50	TQR TQS	8.1 6.0	11.50	~		8.00		GRADER DOING RESTORATION WORK IN KING AREA.
7	TQT	6.5	11.50	TQR TQY	5.7 10.0	11.50	TQP TQR		11.50		
8	TQT TQN	2.8 9.0	11.50	TQY TQL	1.0 1.0	12.00	TQY TQT TQT		11.50		D762 ALSO BUILT RAMP OVER PIPELINE LONG WALK FROM TQY TO TQL
9	TQN	4.0	10.00	TQL	18.0	11.50	TQT TQN		11.50		
10	~	~	12.00	TQL TQM	4.2 12.0	11.00	TQS TQX TQW		12.00		D764 STARTED RESTORATION WORK AT OLD CAMP SITES.
11	~	~	12.00	TQM	8.0	11.50	TQR, TQM TQY TQS		11.50		D764 RESTORATION WORK.
12	~	~	10.00	TQM	7.0	10.00	TQL		11.00		D764 RESTORATION WORK.
13	~	~	0.00	TQG	12.30	11.50	TQM		11.50		D764 WAITING ON FLOAT.
14	~	~	10.00	XAB	0.0	11.00	TQG		8.50		D764 FLOATING TO MOOMBA THEN TO UGENA AREA.
15	TJG	~	12.00	XAB	5.0	12.50	~		10.00		D764 CUTTING ACCESS FOR DRILL AROUND WATER HOLE ON TJG. GRADER DRIVER SCOUTING NEW AREA
16	TJG	~	10.00	~	~	10.00	~		10.00		D764 CUTTING DETOUR LINE TJG. D762 AND GRADER 10.0 HR. STAND BY.
17	~	~	9.00	XAB	4.5	12.50	~		10.00		D764 CAMP RESTORATION AT MOOMBA CAMP. GRADER 10.0 STAND BY.
18	~	~	11.00	XAB	6.0	11.00	~		0.00		D764 FLOATING TO NEW AREA. GRADER DOWN.
19	XAC	1.0	8.50	XAB	7.0	11.00	TQP TQT TQR		8.00		REGRADING BLOWN IN LINES.
20	XAC	7.0	12.50	XAB	9.0	11.50	TQR TQM TQR TQB		11.00		
21	XAC	6.0	11.50	XAB	7.0	11.50	TQN		3.00		GRADER DOWN 7.0 HR. REPAIRING TYRES.
22	XAC	6.0	11.00	XAB	6.0	11.00			12.00		GRADER MOVING TO LAKE HOLE VIA SPENCER
23	XAC	4.0	10.00	XAB	4.0	10.00	XAB XAC		12.00		
24	XAC	6.50	11.50	XAB	7.00	11.50	XAB XAC		12.00		
25	XAC	6.0	11.50	XAB	3.0	12.00	XAB		12.00		D762 ALSO CUT 10.0 HR ACCESS ROUTE AROUND SALT LAKE FOLLOWED BY GRADER.
26	XAC	4.50	10.00	XAB	4.0	10.00	XAB		10.00		
27	XAC	1.00	5.00	XAB	2.0	7.00	XAB		7.00		
28	XAC	4.50	11.50	XAB	6.0	12.00	XAB		12.00		
29	XAC	5.50	12.00	XAB	5.0	12.00	XAB		5.00		GRADING XAB AND ACCESS TO OLD COOPER RIVER TRACK. 7.0 HR DOWN WITH TYRES.
30	XAC	4.50	11.50	XAB	6.0	12.00	~		12.00		GRADING ACCESS TRACK FOR CAMP SHIFT.
31	~	~	~	~	~	~	~		~		
TOTAL		132.00	312.00		206.30	311.50			296.50		

TOTAL CLEARED / TOTAL HOURS 0.542 KL/HR.

COMPILED BY : B.J. CALLAGHAN
POSITION : PARTIAL MANAGER



DELHI PETROLEUM PTY. LTD.

LINE CLEARANCE SUMMARY FOR PERIOD : 1 SEPTEMBER - 7 SEPTEMBER 1984

DOZER #1				DOZER #2				DOZER #3				GRADER			REMARKS
LINE	km	DOWN hrs	CHARGE hrs	LINE	km	DOWN hrs	CHARGE hrs	LINE	km	DOWN hrs	CHARGE hrs	LINE	DOWN hrs	CHARGE hrs	
TJK	9.15 CUT 2.0		14.0									TJK		13.5	UNIT #2 COMPLETED PROGRAM.
															UNIT #1 RECUT 2.0 KMS OF LINE TJK TO INTERSECT TSL
			11.5									TJK		11.0	UNIT #1 COMPLETED PROGRAM. WALKED OUT OF AREA. GD. TAMPED 38 KMS REDCOLD AND RETURNED TO CAMP.
															GD. FIELD MAINTAINANCE & REPAIRS.
															DOZERS STOOD DOWN.
												SPK		7.0	RESTORING LINE SPK.
												SPK		9.5	RESTORING LINE SPK.
												SPG		10.0	RESTORING LINE SPG.
												SPJ SPH		10.0	RESTORING COMPLETED LINES SPJ, SPH.
	11.15		25.5											61.0	

0151

Drilling Statistics



JULY 1984.		SEISMIC SURVEY MONTHLY REPORT						BLOCK TODLACHEE. BURRUM. PROSPECT MARAKU. SOUTHERN REGIONAL. TILPAREESOUTH.			CONTRACTOR: S.D.U. PARTY No.: 5 PARTY CHIEF: B. WAIN.			
DATE	DRILL 1 RIG 57.							DRILL 2 RIG N° D38						
	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE
1	STP	6	460	11.0	0.5	-	11.5	STT	4	292	10.5	1.0	~	11.5
2	STP	2	152	10.75	0.5	-	11.25	STS	5	370	11.6	0.75	~	12.25
3	STP	3	220	11.0	0.5		11.5	STS, STR	3	224	10.5	1.0	~	11.5
4	STQ; STN	4	311	10.5	1.0		11.5	STR	2	146	10.5	1.0	~	11.5
5	STQ; STX	2	158	10.75	0.75		11.5	STP, STY	3	228	11.0	1.0	~	12.0
6	STX; SWK	3	249	10.5	1.0		11.5	STY	3	257	11.0	1.0	~	12.0
7	STX; SWK	3	255	10.5	1.0		11.5	SWJ	3	244	10.75	1.25	~	12.0
8	STX; SWM	2	176	10.5	1.25		11.75	SWJ, SWH	3	249	11.0	1.0	~	12.0
9	STX; SWG	3	246	11.25	1.25		12.50	SWH	3	237	11.0	1.0	~	12.0
10	SWG	1	82	9.0	1.0	1.5	10.0	SWH, SWF	4	332	11.0	1.0	~	12.0
11	SWG	2	164	10.0	1.0		11.0	SWF	3	249	10.5	1.25	~	11.75
12	SWG; SWE	2	166	10.75	0.75		11.5	SWF, STZ STX	3	241	10.75	1.25	~	12.0
13	SWE	3	249	10.75	0.75		11.5	SWD, SWC STZ	5	396	11.5	1.0	~	12.5
14	SWA SWE; STZ	4	332	11.0	0.5		11.5	STZ, SWA SWB	5	406	11.0	1.0	~	12.0
15		~	~	~	~	10.0	10.0	STANDBY - RAIN			~	~	S/B 10.0	10.0
16	SWA; SWD SWD/SWC	4	332	10.5	1.0		11.5	SWB, SWC	4	332	10.75	1.0	~	11.75
17	SWE; STZ STY	3	277	11.25	1.25		12.50	STW, STX	4	369	11.25	1.0	~	12.25
18	CAMP MOVE			~	11.5		11.5	STY CAMP MOVE	1	101	3.0	1.0	C'MOVE 8.0	12.0
19	T.N.T.	2	168	9.25	2.25		11.5	SWY	1	60	8.5	3.0	~	11.5
20	CAMP MOVE			~	13.0		13.0	CAMP MOVE			~	13.0	~	13.0
21	SWQ	1	100	6.0	2.0	2.0	10.0	SWM	1	100	6.0	2.0	S/B 2.0	10.0
22		~	~	~	~	10.0	10.0	STANDBY - WET LINES			~	~	10.0	10.0
23		~	~	~	~	10.0	10.0	STANDBY - WET LINES			~	~	10.0	10.0
24		~	~	~	~	10.0	10.0	STANDBY - WET LINES			~	~	10.0	10.0
25		~	~	~	~	10.0	10.0	SQY	1	101	4.0	1.0	S/B 5.0	10.0
26		~	~	~	~	10.0	10.0	STANDBY - WET LINES			~	~	10.0	10.0
27		~	~	~	~	10.0	10.0	SWQ	1	100	3.25	1.5	S/B 7.5	12.25
28	SWM	3	308	10.25	2.0		12.25	SWQ	1	101	10.0	2.0	~	12.0
29	SWM	3	306	10.75	1.75		12.50	SWT	2	202	11.0	0.5	~	11.5
30	SWM	2	208	10.5	1.0		11.5	SWT	2	202	11.5	0.5	~	12.0
31	SW S	4	404	10.75	1.25		12.0	SWM	2	208	7.5	1.0	3.0	8.5
	TOTAL		5263	227.50			348.25	TOTAL		5747	239.25			373.75

6-7-84 1x 4 1/2" ROCK BIT.
7-7-84 1x 4 1/2" ROCK BIT.
8-7-84 1x 4 1/2" ROCK BIT.

19-7-84 1x 4 1/2" ROCK BIT
28-7-84 1x 4 1/2" ROCK BIT

MTS / WH	MTS / CH
21.2936	15.4084

MTS / WH	MTS / CH
24.021	15.377

DELHI PETROLEUM PTY. LTD.



0154

AUGUST
1984..

SEISMIC SURVEY MONTHLY REPORT

BLOCK TINGA TINGANA
TOOLACHEE MOOMBA
PROSPECT South Region
Cherri Weena Moomba

CONTRACTOR: S.D.U.
PARTY No.: 5
PARTY J. MURPHY
CHIEF: B. WAIN

DATE	DRILL 1 D57							DRILL 2 D38						
	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE
1	SWM	3	312	10.00	1.00	~	11.00	SWS	3	303	12.00	1.00	~	13.00
2	SWM	2	208	11.00	1.00	~	12.00	SWR	2	204	10.00	1.00	DOWN 1.00	11.00
3	SWM, SWN	4	416	11.25	1.00	~	12.25	SWR	2	207	10.50	1.00	~	11.50
4	SWN	2	208	11.00	1.00	~	12.00	SWR	1	101	10.50	0.75	~	11.25
5	SWN	1	104	2.50	1.00	S/B 6.5	10.00	SWR, SWQ	3	303	10.50	1.00	~	11.50
6	SWN	2	208	10.50	1.00	~	11.50	SWQ	2	202	10.50	1.00	~	11.50
7	SWL	3	312	11.00	1.00	~	12.00	SWL	2	204	10.50	1.00	~	11.50
8	SWL, SWP	4	416	11.00	1.00	~	12.00	SWL	2	204	11.25	0.75	~	12.00
9	SWP	4	416	11.00	1.00	~	12.00	SWL	2	204	7.50	0.50	3.50	8.00
10	SWP, SWT	3	312	11.00	1.00	~	12.00	SWL	4	408	11.00	0.50	~	11.50
11	SWT	2	208	11.00	1.00	~	12.00	SWL	4	408	11.25	1.00	~	12.25
12	SWT, SWW	4	416	11.50	1.00	~	12.50	SWL	2	204	10.75	1.00	~	11.75
13	SWW	1	104	11.00	1.00	~	12.00	SWK	3	306	10.75	1.00	~	11.75
14	SWW	2	204	7.00	1.50	DOWN 2.50	8.50	SWK	2	204	10.50	1.00	~	11.50
15	~	~	SERVICE	~	~	10.00	0.00	SWK	1	104	3.50	2.00	SERVICE 4.50	5.50
16	CAMP		MOVE	~	10.00	~	10.00	CAMP		MOVE	~	10.00	~	10.00
17	TNT	2	204	6.00	1.00	3.00	7.00	SWY	2	204	7.00	0.50	2.50	7.50
18	TNT	2	204	10.50	1.00	~	11.50	SWY	2	204	11.00	1.00	~	12.00
19	TNT	3	306	10.50	1.00	~	11.50	SWY	1	102	11.00	1.00	~	12.00
20	TNT	3	306	11.50	0.50	~	12.00	SWY	0	~	11.00	1.00	~	12.00
21	TNT	2	198	10.50	1.00	~	11.50	TNW	1	102	8.00	1.00	SERVICE 3.00	9.00
22	TNT	2	204	10.50	1.00	~	11.50	TNW, SWY	3	306	11.00	1.00	~	12.00
23	TNT, SWY	2	204	11.00	2.50	~	13.50	SWY	1	102	11.00	1.00	~	12.00
24	SWY	2	204	9.50	2.00	~	11.50	SWY	3	306	11.00	1.00	~	12.00
25	TNT	3	306	11.00	1.00	~	12.00	SWY	2	204	11.50	1.00	~	12.50
26	SWY	2	204	11.50	~	~	11.50	SWY	3	306	11.50	1.50	~	13.00
27	SWY	3	284	11.00	1.00	~	12.00	SWY	3	237	11.25	1.75	~	13.00
28	SWY	2	130	5.00	1.00	DOWN 5.00	6.00	SWY	1	72	9.00	3.00	~	12.00
29	SWX	5	410	12.00	~	~	12.00	CAMP		MOVE	~	9.00	2.0	11.00
30	SWX	3	246	12.00	~	~	12.00	SWZ	2	164	8.25	0.75	NO WATER 3	9.00
31	SWX	4	328	12.50	~	~	12.50	SWZ, SWX	3	248	11.50	1.00	~	12.50
TOTAL			7582	295.75			339.75	TOTAL		6123	295.00			347.00

MTS / WH	MTS / CH
25.637	22.316

MTS / WH	MTS / CH
20.756	17.646

AUGUST
1984..SEISMIC SURVEY
MONTHLY REPORTBLOCK TINGA TINGANA
TOOLACHEE MOOMBA
PROSPECT South Region
Cherri Weena MoombaCONTRACTOR: S.D.U.
PARTY No.: 5
PARTY J. MURPHY
CHIEF: B. WAIN

DATE	DRILL 3							DRILL 4						
	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13	SWR	~	~	3.50	2.00	DOWN 6.50	5.50							
14	SWR, SWW	2	204	7.50	1.50	DOWN 2.00	9.00							
15	~	~	SERVICE	~	~	10.00	0.00							
16	CAMP		MOVE	~	10.00	~	10.00							
17	~	~	NO WATER TRUCK	~	~	DOWN 10.00	0.00							
18	SWY	2	210	10.75	0.75	~	11.50							
19	SWY, TNW	2	210	11.50	1.00	~	12.50							
20	TNW	3	315	11.00	1.00	~	12.00							
21	TNW	1	105	10.50	1.00	~	11.50							
22	TNW, SWY	3	315	11.00	1.00	~	12.00							
23	SWY	1	105	11.00	1.00	~	12.00							
24	SWY	2	210	11.00	1.00	~	12.00							
25	SWY	2	210	11.00	1.25	~	12.25							
26	SWY	1	105	10.25	1.50	~	11.75							
27	SWY	2	210	10.75	1.50	~	12.25							
28	SWY	1	73	10.75	1.75	~	12.50							
29	~	~	~	~	~	~	0.00							
30	SWZ	2	166	8.75	0.75	2.50	9.50							
31	SWZ	3	188	11.25	1.00	~	12.25							
TOTAL			2626	150.50			178.50	TOTAL						

MTS / WH

17.449

MTS / CH

14.711

MTS / WH

MTS / CH

SEPTEMBER
1984.SEISMIC SURVEY
MONTHLY REPORTBLOCK TINGA TINGANA
TO OLACHE, MOOMBA
PROSPECT MOOMBA
SOUTHERN REGIONAL
CHERRI WEENACONTRACTOR: S D U
PARTY No.: 5
PARTY
CHIEF: B WAIN

DATE	DRILL 1 D 57							DRILL 2 D 38						
	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE
1	SNX	1	102	10.50	~	DOWN 1.5	10.50	SNZ	6	366	10.50	2.00	~	12.50
2	SNX	3	255	10.5	1.0	~	11.50	SNZ	2	124	4.25	1.00	DOWN 4.6	5.25
3	SNX	4	340	11.50	0.50	~	12.00	SNZ, SNA	5	310	11.00	2.00	~	13.00
4	SNX, SNZ	7	451	11.00	1.00	~	12.00	SXA	5	310	10.25	1.75	~	12.00
5	SNX	6	366	11.00	1.00	~	12.00	SXA	6	322	9.25	2.25	~	11.50
6	SNX	4	244	10.50	1.50	~	12.00	~	0	~	~	~	DOWN 10.00	0.00
7	SNY	1	90	3.00	4.00	~	7.00	SNY	1	133	12.00	~	~	12.00
8	~	0	~	4.00	~	DOWN 8.00	4.00	TNW	1	133	12.50	~	~	12.50
9	~	0	~	12.00	~	~	12.00	~	0	~	5.50	6.50	~	12.00
10	TJL	3	183	9.00	3.00	~	12.00	TJP, TJH, TJQ	5	300	9.25	3.75	~	13.00
11	TJL, TJQ	7	300	9.75	1.50	DOWN 1.75	11.25	TJQ, TJH	6	262	9.25	1.75	DOWN 2.00	11.00
12	~	0	~	~	~	DOWN 10.00	0.00	TJQ, TJH, TJP	7	309	11.50	1.50	~	13.00
13	~	0	~	~	~	DOWN 10.00	0.00	TJP, TJL	5	215	10.00	2.50	~	12.50
14	TJE	5	210	9.25	2.25	~	11.50	TJG	5	310	8.00	1.50	DOWN 3.00	9.50
15	TJE	6	277	11.00	1.50	~	12.50	TJG	6	317	10.50	~	DOWN 2.00	10.50
16	TJE	4	168	7.25	1.75	DOWN 4.0	~	TJG	6	252	12.00	~	~	12.00
17	TJE	4	168	8.75	2.00	DOWN 2.00	10.75	TJG	6	220	10.00	~	DOWN 2.0	10.00
18	TJE, TJJ	6	262	10.00	2.00	~	12.00	TJG	9	398	12.00	~	~	12.00
19	TJJ	6	252	10.00	2.00	~	12.00	TJG, TJJ	8	309	12.00	~	~	12.00
20	TJJ	7	294	11.25	2.00	~	13.25	TJF	6	257	11.00	1.00	~	12.00
21	TJF	1	42	3.00	1.00	S.B. 6.0	10.00	~	0	~	~	~	S.B. 10.00	10.00
22	TJF	4	168	9.25	1.00	DOWN 2.00	10.25	TJF	1	83	10.00	2.00	~	12.00
23	TJF, TJG	4	198	10.75	1.00	~	11.75	TJG	2	89	3.50	1.50	DOWN 5.0	5.00
24	TJG, TJH	3	171	11.00	1.00	~	12.00	~	0	~	~	~	DOWN 10.00	0.00
25	TJE	2	164	9.00	1.00	DOWN 2.00	10.00	TJJ	1	82	3.50	1.00	DOWN 5.5	4.50
26	TJE	1	45	8.00	1.00	DOWN 3.00	9.00	~	~	~	~	~	~	~
27	TJE	0	~	9.00	1.50	~	10.50	~	~	~	~	~	~	~
28	TJL	1	40	10.50	1.50	~	12.00	~	~	~	~	~	~	~
29	TQN	4	210	10.50	1.00	~	11.50	~	~	~	~	~	~	~
30	TQN	5	208	11.00	0.75	~	11.75	~	~	~	~	~	~	~
31	~	~	~	~	~	~	~	~	~	~	~	~	~	~
TOTAL			5208	262.25			297.00	TOTAL		5101	207.75			249.75

MTS / WH

MTS / CH

19.858

17.535

MTS / WH

MTS / CH

24.553

20.424


 SEPTEMBER
1984..

 SEISMIC SURVEY
MONTHLY REPORT

 BLOCK TINGA TINGANA
TOOLACHE, MOOMBA
PROSPECT MOOMBA
SOUTHERN REGIONAL
CHEPRA, WEENA

 CONTRACTOR: S D U
PARTY No. 5
PARTY
CHIEF: B. WAIN

DATE	DRILL 3 D16							DRILL 4 D8						
	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE	LINE	HOLES	METRES	HOURS WORK	HOURS TRAVEL	DOWN S/B	TOTAL CHARGE
1	SNZ	4	248	11.25	1.25	~	12.50							
2	SNZ	2	124	6.75	2.25	DOWN 2.75	9.00							
3	SNZ, SNA	3	186	10.50	1.75	~	12.25							
4	SXA	3	186	10.25	1.50	~	11.75							
5	SXA	5	266	10.75	1.00	~	11.75							
6	SWX	3	186	8.50	1.50	~	10.00	TPK	~	~	8.00	1.50	~	9.50
7	SNZ	1	92	6.00	3.00	DOWN 3.00	9.00	TPK	2	96	10.75	1.75	~	12.50
8	~	0	~	4.00	~	DOWN 8.00	4.00	TPK	4	180	10.50	2.00	~	12.50
9	~	0	~	~	12.00	~	12.00	TPK	4	222	10.50	1.50	~	12.00
10	TJP, TJN	4	226	8.25	4.25	~	12.50	TPK	1	48	4.50	.50	~	5.00
11	TJN	4	178	11.50	1.25	~	12.75							
12	TJN	4	168	11.00	1.25	~	12.25							
13	TJM	3	126	6.00	2.00	DOWN 2.00	8.00							
14	~	0	~	~	~	DOWN 10.00	0.00							
15	TJE, TJG	2	84	8.25	1.50	DOWN 2.0	9.75							
16	TJG, TJE TJN	6	257	9.25	1.75	DOWN 2.00	11.00							
17	TJH	5	210	10.00	2.00	~	12.00							
18	~	0	~	~	~	DOWN 10.00	0.00							
19	TJH	4	168	10.25	2.00	~	12.25							
20	TJH	1	42	10.00	2.00	~	12.00							
21	~	0	~	~	~	S.B 10.00	10.00							
22	TJH	4	168	10.00	2.00	~	12.00							
23	TJH	4	173	10.00	2.00	~	12.00							
24	TJH	5	220	10.50	2.00	~	12.50							
25	TJE, TJJ	4	218	10.25	2.00	~	12.25							
26	TJJ	2	164	10.50	2.00	~	12.50	TQR	1	50	2.00	0.50	DOWN 7.50	2.50
27	TJJ, TJE	2	164	10.25	1.50	~	11.75	TQR	1	50	6.50	0.25	DOWN 3.25	6.75
28	~	0	~	10.00	~	~	10.00	TQR	3	156	10.00	0.50	DOWN 1.50	10.50
29	TQY, TQN	3	156	9.75	0.75	~	10.50	TQR, TQY	5	260	11.00	0.50	~	11.50
30	TQN	1	52	10.50	1.00	~	11.50	TQS	6	312	11.50	1.00	~	12.50
31	~	~	~	~	~	~	~	~	~	~	~	~	~	~
TOTAL			4062	244.25			309.75	TOTAL		1374	85.25			95.25

MTS/WH

MTS/CH

16.638

13.113

MTS/WH

MTS/CH

16.117

14.425



DELHI PETROLEUM PTY. LTD.

DRILLING SUMMARY FOR PERIOD : 27 SEPT - 3 OCT 1984

DATE	RIG #1: MITCHELL									RIG #2: ACE									RIG #3: —								
	AREA	LINE	HOLES	METRES	WORK hrs	DOWN hrs	CHARGE hrs	Nº ROCK BITS USED	HAMMER USED Y or N	AREA	LINE	HOLES	METRES	WORK hrs	DOWN hrs	CHARGE hrs	Nº ROCK BITS USED	HAMMER USED Y or N	AREA	LINE	HOLES	METRES	WORK hrs	DOWN hrs	CHARGE hrs	Nº ROCK BITS USED	HAMMER USED Y or N
27/9	REG.	-	-	-	-	-	10.0	-	N	REG.	-	-	-	-	-	10.0	-	N	CAMP MOVE								
28/9	"	-	-	-	-	10.0	-	-	"	"	SPK	5	225	9.5	-	11.5	-	"	#1 - TWO W/T'S DOWN								
29/9	"	-	-	-	-	10.0	-	-	"	"	SPK	5	225	10.0	-	11.5	-	"	#1	"	"	"					
30/9	"	SPK	1	65	3.0	5.0	5.0	-	"	"	SPK	3	185	8.5	1.5	9.5	-	"	#2	1.5	DOWN - WATER ON WATER						
1/10	"	SPK	1	65	3.0	5.0	5.0	-	"	"	SPK	3	195	7.75	3.0	8.5	-	"	#1 - 5.0 TWO W/T'S DOWN								
2/10	"	SPK	1	65	2.0	7.5	2.5	-	"	"	SPK	4	260	8.5	1.0	9.0	-	"	#2 - 3.0 BITTED								
3/10	-	-	-	-	-	10.0	-	-	-	"	SPK / TJK	4	255	9.5	-	10.0	-	"	#1 - 7.5 DOWN WHITE WATER - ONE W/T DOWN								
TOTAL			3	195	8.0	47.5	22.5					24	1345	53.75	5.5	70.0											

STATISTICAL SUMMARY

AVERAGE METRES / DAY

AVERAGE HOLES / DAY

AVERAGE METRES / CHARGE HOUR

RIG #1 MITCHELL

28

0.43

8.7

RIG #2 ACE

192

3.4

19.2

RIG #3

0156



DELHI PETROLEUM PTY. LTD.

 DRILLING SUMMARY FOR PERIOD : 4th - 10th October 1984

DATE	RIG #1: MITCHELL										RIG #2: ACE										RIG #3:									
	AREA	LINE	HOLES	METRES	WORK hrs	DOWN hrs	CHARGE hrs	Nº ROCK BITS USED	HAMMER USED Y or N	AREA	LINE	HOLES	METRES	WORK hrs	DOWN hrs	CHARGE hrs	Nº ROCK BITS USED	HAMMER USED Y or N	AREA	LINE	HOLES	METRES	WORK hrs	DOWN hrs	CHARGE hrs	Nº ROCK BITS USED	HAMMER USED Y or N			
4/10	ARR. REG.	TJK	2	125	6.0	-	6.75	-	-	ARR. REG.	TJK	4	260	8.0	-	8.75	-	-												
5/10	ARR. REG.	TJK	1	65	2.0	0.5	3.5	-	-	ARR. REG.	TJK	3	195	7.5	2.0	9.0	-	-												
6/10	ARR. REG.	TJK	3	170	8.25	-	10.0	-	-	ARR. REG.	TJK	3	170	5.25	-	7.25	-	-												
7/10	ARR. REG.	TJK	3	140	6.5	1.75	8.75	-	-	ARR. REG.	TJK	2	95	5.0	-	7.25	-	-												
8/10	ARR. REG.	TJK	3	130	4.75	3.0	7.75	-	-	ARR. REG.	TJK	6	235	8.0	-	11.0	-	-												
9/10	ARR. REG.	TJK	5	195	7.0	-	12.75	-	-	ARR. REG.	TJK	5	190	4.75	-	10.0	-	-												
10/10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
TOTAL			17	825	34.5	5.25	49.5					23	1145	38.5	2.0	53.25														

STATISTICAL SUMMARY

AVERAGE METRES / DAY

AVERAGE HOLES / DAY

AVERAGE METRES / CHARGE HOUR

RIG #1

117.86

2.43

16.67

RIG #2

163.57

3.29

21.50

RIG #3

0159

Weathering Recording Statistics



AUGUST 1984..			SEISMIC SURVEY MONTHLY REPORT				BLOCK TINGA TINGANA TOOLACHEE MOOMBA PROSPECT South. Region Cherri Weena Moomba		CONTRACTOR : S.D.U. PARTY No.: 5 PARTY J. MURPHY CHIEF : B. WAIN				
WEATHERING RECORDING													
DATE	LINE	UPHOLES	UPHOLES ; STATIONS ; REMARKS				TAPE	PICKETS	ROPE	EXPLOSIVE			
										BELL WIRE	DETS.	"A" BOOST	"D" BOOST.
1	SWS	2	353 - 100 m 320 - 100 m				8	12	660	21	132	60	142
2	SWS	2	431 - 100 m 460 - 100 m				14	12	660	20	132	60	142
3	SWM	4	548 - 100 m 565 - 100 m 596 - 100 m 618 - 100 m				15	12	660	~	132	60	162
4	SWM	3	646 - 100 m 671 - 100 m 702 - 100 m				~	12	660	13	132	60	162
5	SWR	5	460 - 100 m 432 - 100 m 322 - 100 m 355 - 100 m 254 - 100 m				4	4	220	3	44	20	54
6	SWQ SWR	4	452 - 100 m 200 - 100 m 380 - 100 m 226 - 100 m				17	12	660	19	132	60	162
7	SWN	6	225 - 100 m 252 - 100 m 286 - 100 m 318 - 100 m 348 - 100 m 436 - 100 m				9	8	440	4	88	40	108
8	~	0	~ OBSERVER SICK				19	14	770	16	154	70	189
9	SWL	8	644 - 100 m 674 - 100 m 698 - 100 m 724 - 100 m 774 - 100 m 790 - 100 m 816 - 100 m SWN 200 - 100 m				17	14	720	24	152	68	189
10	SWP 223 - 100m SWP 200 - 100m	9	SWP 342 - 100m SWL 626 - 100m SWL 603 - 100m 580 - 100m SWL 555 - 87m 528 - 100m SWL 497 - 100m				14	12	600	16	132	60	162
11	SWP 455 - 100m 430 - 100m	8	SWP 363 - 100m 326 - 100m SWP 250 - 100m SWL 478 - 100m SWT 488 - 100m 461 - 100m				13	10	550	1	110	50	132
12	SWT 385 - 100m 352 - 100m	10	SWL 448 - 100m 395 - 100m SWL 362 - 100m 329 - 100m SWL 298 - 100m 261 - 100m SWL 200 - 100m 420 - 100m				17	14	735	21	154	70	189
13	SWN 200 - 100m 227 - 100m	6	SWN 262 - 100m SWK 428 - 100m SWK 392 - 100m 347 - 100m				16	10	525	6	110	50	80
14	SWR 432 - 100m SWN 371 - 100m	8	SWW 331 - 100m SWK 298 - 100m SWK 253 - 100m 226 - 100m SWW 442 - 100m 468 - 100m				4	4	210	~	44	20	32
15	SWK 200 - 100m	1					~	~	~	~	~	~	~
16	~	~	CAMP MOVE				~	~	~	~	~	~	~
17	TNT 200 - 100m SWY 1615 - 100m	2					10	10	525	~	155	50	125
18	SWY 1644 - 100m 1683 - 100m	6	SWY 1720 - 100m TNT 240 - 100m TNT 278 - 100m 304 - 100m				16	16	840	24	176	80	128
19	~	~	SYSTEM DOWN				17	16	1140	7	176	80	128
20	~	~	" "				15	14	1120	33	154	70	112
21	~	~	" "				10	6	315	11	61	22	47
22	~	~	" "				11	10	525	12	110	50	80
23	~	~	" "				8	8	510	3	88	40	64
24	~	~	" "				15	11	920	9	132	60	96
25	~	~	" "				19	15	1200	21	176	80	128
26	SWY	3	303 - 100m 270 - 100m 337 - 100m				16	11	710	11	143	60	96
27	SWY	10	434 - 100m 200 - 100m 441 - 100m 852 - 100m 896 - 100m 936 - 100m 518 - 100m 481 - 100m 406 - 100m 372 - 35m				18	14	700	13	142	80	94
28	SWY 1757 - 100m 1829 - 100m	14	SWY 1864 - 100m 1896 - 100m TNW 520 - 100m 481 - 100m TNW 444 - 100m 404 - 100m TNW 365 - 100m 327 - 100m TNW 288 - 100m 253 - 100m TNW 200 - 100m 220 - 100m				5	4			30	20	18
29	SWY 1528 - 100m 1588 - 100m	14	SWY 1488 - 100m TNT 676 - 100m TNT 650 - 100m 332 - 100m TNT 620 - 100m 360 - 100m TNT 580 - 100m 390 - 100m TNT 540 - 100m 430 - 100m TNT 500 - 100m 458 - 100m				11	10		6	90	50	60
30	SWX 223 - 75m 200 - 80m	2					20	16		18	100	60	64
31	SWX 1533 - 80m 1570 - 80m	7	SWX 1648 - 80m 1698 - 80m SWX 1720 - 80m 1683 - 80m SWX 1760 - 50m				26	20		28	210	130	132

EXPLOSIVE	1st. DAY	CONSUMED	RECEIVED	LAST DAY
BELL WIRE	270	360	136	46
DETS.	8,437	3585	-	4852
"A" BOOSTERS	11,514	1680	-	9834
"B" BOOSTERS				

COMPILED BY :

J. J. MURPHY

POSITION :

PARTY MANAGER :

SEPTEMBER
1984...SEISMIC SURVEY
MONTHLY REPORTBLOCK TINGA TINGANA
TOOLACHEE MOOMBA
PROSPECT
SOUTHERN REGIONAL
GIDGEALPA CHERRICONTRACTOR: S D U
PARTY No.: 5
PARTY
CHIEF: B. WAIN

WEATHERING RECORDING WEENA

DATE	LINE	UPHOLES	UPHOLES ; STATIONS ; REMARKS	TAPE	PICKETS	ROPE	BELL WIRE	DETS.	BOOSTERS	BOOSTERS
1	~			21	11	658	46	148	100	88
2	SNZ, SNX	10	SNZ 1100 1058 1017 970 896 574 ALL 60m SNX 1329 1380 1299 1258 ALL 80m	17	11	558	~	124	80	76
3	SNY	8	1448 1411 1372 1333 1294 1255 1216 1188 ALL 100m	25	11	762	66	170	110	104
4	SXA	6	1087 1043 1008 968 919 1132 ALL 60m.	34	17	1074	~	242	170	140
5	SNZ, SXA	22	SNZ 253 80m 295 80m 335 370 415 454 494 540 614 654 1217 1260 695 725 768 815 856 936 1137 1178 ALL 60m SXA 839 895 807m 60m.	30	15	840	~	192	150	102
6	SNY, SNX	14	SNY 1096 1056 1016 972 816 779 ALL 100m. 735 704 667 ALL 70m. SNY 592 60m 555 75m. SNX 1760 100m. SNX 1492 80m	20	11	696	4	154	90	100
7	SNX, SNZ SXA	20	SNX 200 241 282 322 364 403 443 484 524 604 639 676 713 751 SNX 788 825 860 898 SNZ 936, SXA 556 ALL 100m 60m	18	4	184	2	40	20	28
8	SXA	15	515 475 434 394 353 313 272 236 200 ALL 50m. 593 637 677 717 758 798 ALL 60m.	~	~	~	~	~	~	~
9	SNX, SNY	10	SNX 1458 1217 1178 1018 1138 1054 1097 976 ALL 80m. SNY 1844 130m SNY 610 100m.	~	~	~	~	~	~	~
10	TJL, TJP	4	TJL 300 220 200 ALL 60m TJP 360 60m.	24	13	764	18	178	130	100
11	TJP, TJN TJQ	11	TJP 399 60m 432 50m 464 50m TJN 200 60m. 273 60m 300 45m TJQ 398 60m 449 50m 476 60m 362 45m 320 40m	24	19	813	~	193	190	79
12	TPK	10	414 45m 402 45m 372 55m 341 40m 311 50m 297 50m 282 55m 255 60m 226 55m 200 50m	14	13	556	~	132	130	54
13	TJM, TJN TJP	17	TJM 380 420 526 576 315 297 226 200 ALL 40m 479 45m TJN 372 390 478 510 550 592 ALL 40m 428 45m TJP 331 40m	6	3	141	~	31	30	13
14	TJP, TJQ TJL	15	TJP 304 281 226 200 ALL 40m. 259 45m. TJQ 264 296 226 200 ALL 40m TJL 400 440 520 550 ALL 40m 372 590 45m	18	13	646	18	150	130	72
15	TJE, TJG	14	TJE 1232 1195 1167 1113 1067 1033 ALL 40m TJG 1720 2024 1980 1935 1890 1850 1810 1770 ALL 60m	20	14	698	~	162	140	78
16	TJE, TJG	12	TJE 992 911 871 831 791 775 ALL 40m 951 45m TJG 244 288 331 373 200 ALL 40m	12	17	714	~	170	170	68
17	TJG, TNW	10	TJG 1640 1600 1560 1520 1480 1440 1400 1360 ALL 40m TNW 1682 45m. TNW 516 130m.	7	16	687	11	163	160	69
18	TJE, TJH	18	TJE 709 667 619 579 464 421 380 247 200 ALL 40m 645 34m TJE 293 45m. TJE 371 45m. TJH 515 579 478 440 400 360 ALL 40m.	8	16	702	~	166	160	70
19	TJG	12	920 880 960 1000 1200 1238 1280 ALL 40m 1120 36m. 1040 1080 1160 1320 ALL 45m	13	15	658	~	155	150	65
20	TJJ, TJQ	18	TJJ 200 242 326 370 414 460 505 549 594 638 679 ALL 40m 280 45m TJQ 840 752 45m. 800 712 670 624 ALL 40m	7	12	504	~	124	128	48
21	TJH	5	320 280 240 200 ALL 40m 651 45m	4	4	173	~	41	40	17
22	TJJ, TJF	10	TJJ 720 762 800 ALL 40m TJF 635 715 780 863 ALL 40m 676 823 909 ALL 45m.	~	11	497	~	117	110	51
23	TJF, TJH	16	TJF 1184 1152 1112 1074 1031 745 381 ALL 40m 998 948 45m 339 74m TJH 699 736 823 867 909 952 ALL 40m	6	12	547	18	123	110	67
24	TJG, TJH	11	TJG 1120 712 807m 50m 544 494 807m 45m 454 40m TJH 1112 1080 995 ALL 45m 1040 952 823 ALL 40m	4	5	206	~	46	30	28
25	TJH, TJF TJJ, TJL	8	TJH 360 80m. 423 45m TJF 715 465 807m 40m 589 507 45m. TJJ 280 80m TJL 619 80m	6	10	410	~	90	50	60
26	~	0	OBSERVER WENT ON BREAK. REPLACEMENT OBSERVER ARRIVES LATE P.M.	2	4	164	~	36	20	24
27	TJE, TJJ	6	TJE 579 545 807m 80m. TJJ 414 370 326 460 ALL 80m	6	3	104	~	30	30	15
28	TJL, TJQ	2	TJL 480 40m. TJQ 296 40m.	10	8	406	~	94	80	46
29	TQR, SNY SNZ	4	TQR 335 50m SNY 1184 100m. SNZ 936 90m SNZ 614 60m	18	14	820	18	170	140	86
30	TQR, TQY TQS	10	TQR 200 226 251 295 371 409 444 472 ALL 50m TQY 496 50m TQS 448 50m	16	13	665	13	156	130	78
31	~									

EXPLOSIVE	1st. DAY	CONSUMED	RECEIVED	LAST DAY
BELL WIRE	46	214	202	34
DETS.	4852	3597	~	1255
BOOSTERS 'A'	9834	2978	~	6856

COMPILED BY:

B. J. CALLAGHAN

POSITION:

PARTY MANAGER



DELHI-PETROLEUM PTY. LTD.

0163

LVL SUMMARY FOR PERIOD : 27 SEPT - 3 OCT 1984

DATE	Nº U/H's SHOT	UPHOLE LOCATIONS & DEPTH OF BOTTOM SHOT	REMARKS
27/9	-		CAMP MOVE
28/9	6	<u>SPK</u> 1495(40), 1592(40), 1688(45), 1736(45), 1784(45), 1832(45)	
29/9	5	<u>SPK</u> 1880(45), 1928(45), 1976(45), 2024(45) 2072(45)	
30/9	3	<u>SPK</u> 2120(75), 2168(65), 2216(60)	
1/10	5	<u>SPK</u> 1640(65), 2264(60), 2360(65), 2408(65), 2456(65)	
2/10	4	<u>SPK</u> 2504(65), 2552(65), 2600(65), x TSK (65)	
3/10	4	<u>SPK</u> 2696(65), 2720(65) <u>TSK</u> 2164(65), 2090(65)	
TOTAL	27		

LVL SUMMARY FOR PERIOD : 4th - 10th October 1984

DATE	Nº U/H's SHOT	UPHOLE LOCATIONS & DEPTH OF BOTTOM SHOT	REMARKS
4/10	6	2042 (60m.) , 1993 (65) , 1932 (70m.) 1886 (60m.) , 1838 (65m.) , 1788 (65m.)	
5/10	4	1737 (65m.) , 1690 (60m.) 1644 (65m.) , 1594 (60m.)	
6/10	6	1546 (60m.) , 1505 (65m.) , 1454 (65m.) 1406 (60m.) , 1358 (55m.) , 1310 (45m.)	
7/10	5	1258 (55m.) , 1213 (50m.) 1165 (45m.) , 1117 (50m.) , 1024 (45m.)	
8/10	9	1069 (40m.) , 976 (45m.) , 927 (50m.) 880 (40m.) , 829 (40m.) , 788 (40m.) 740 (35m.) , 690 (40m.) , 645 (40m.)	
9/10	11	597 (40m.) , 549 (35m.) , 502 (40m.) , 453 (35m.) 405 (35m.) , 360 (40m.) , 312 (40m.) , 265 (40m.) 225 (40m.) , 200 (40m.) , 453 (40m.)	S.P. 453 Redrilled and reshot to 40m.; 35m hole not sufficiently in sub-weathering
10/10		MOVE to main camp for maintenance	
TOTAL	41		

Survey Statistics



JULY 1984.		SEISMIC SURVEY MONTHLY REPORT				BLOCK HOGARTH. PROSPECT MURTA.		CONTRACTOR : S. D. U PARTY No. : 5 PARTY CHIEF : B. WAIN	
DATE	SURVEY						REMARKS		
	CHAINED		LEVELLED		REDUCED				
	LINES	KM	LINES	KM	LINES	KM			
1	SWM	13.80	SWD, SWK, SWA SWL, SNT	22.05					
2	SWM SWN	5.10 8.85	SWA	4.95					
3	SWY	7.725	SWB, SWC SWH	8.50	STW: STP STN				
4	SWY	22.275	SWH	6.20	STW: STT STS: STR				
5	SWY	18.75	SWH, SNT	12.25	STR: STP STN.				
6	SWY	15.45	SWT, SWS	11.00	STX: SWR SWP: SW6				
7	SWX	7.875	SWR, SWQ	12.90	SWH: SNT STY: STZ.				
8	SWX	20.175	SWQ, SWP, SWN	15.30					
9		NIL	SWN, SWM	12.70				CHAINING, CREW PAINTING PEGS ALL DAY.	
10	SWX	21.075	SWM	1.70					
11		~	SWM	10.90				CAMP SHIFT.	
12		~		~				CAMP SHIFT	
13	TNW	12.00		~				TIES AND SUNSHOTS, TILPAREE.	
14	SWX TNT	9.90 18.00	SWY	6.825				TIES AND SUNSHOTS, MARAKU.	
15		~		~				WET NO FIELD WORK	
16	SXA SWZ	14.00 14.62	SWY SWX	10.9 9.8				MICROMAP LINES SST: SSF: SSG: SSH. MICROMAP INPUT: SS1: SWM; S02: SWQ; SSR: SWA. EDIT SXB: SSH; SSJ: SSF: SSG.	
17	SXA SWZ	15.0 12.0	SWY SWX	23.3 13.9	SWA: SWB SWC: SWD: SWK.			MICROMAP SWA: SWB; SWC: SWD: SWK. INTERSECTION ENTERED SWR; SWS: SWT; SWW: DIA. MARKU	
18		~	SWY SWX	13.2 14.9	SWS: SWL SWM: SWP			MICROMAP EDIT SWS: SWA: SWW; S02: SS1: SWM; SWD ENTERED SSR; SS2: INTERSECTION DIA STA COMPUTED SWS: SWL: SWM: SWP: SWA.	
19	TLJ TJP	15.0 4.9125	SWY TNW SWX	10.1 12.0 16.9	SWB			MICROMAP SST: SSX: SSW COMPUTED SWB: SWP: SWN: SWM.	
20	TJM TJP	14.1 4.83	TNT	17.7	SWN SWM SWB SWP				
21		NIL		~	MARAKU	50.0		17.0 KM TIC LOOP FROM EDT TNW TO CAMERONS CORNER.	
22		NIL		NIL	SST SSZ SSX	27.5		WET LINES NO FIELD WORK. STANDBY	
23		NIL		NIL	S02: SHL: SSR: SSY: SSW	54.0		WET LINES NO FIELD WORK.	
24		NIL		NIL	SSR: STF: STH (TSB 79)	58.0		RUNNING LOOP FROM CAMERONS CORNER TO SWY.	
25	TJB 200-476 TJN 200-404 TJG 168-135	10.35 7.65 7.39	SWX	3.075	SSJ: SSF: SSG SSH: SSR: SWL	54.0		MICROMAP INPUT TNW. TNT 29.85 KM. EDIT: SRC: SRD: SRE: SRF: SRP: SQY: SRB: SAN: SAT: SRI: SRM. MICROMAP INPUT: TNT: TNW 20 KM.	
26	TJN 404-592 TJG 1358-920	7.05 10.95	SWX 1255-755	18.713				EDIT: STF: STJ: STH: TNT: TNW: SRN: SRK: SK: SYD: STA	
27	TJG 220-388	13.3	SWZ 755-282	17.775				MICROMAP COMPUTE. KIDMAN; MURTEREE.	
28	TJG 388-200 TJF 248-1184	4.7 5.9	SWZ 282-200 SXA 200-496	3.075 11.1					
29	TJE 911-1232	8.025	TJN 200-496 SXA 496-974	11.1 17.925				MICROMAP SWY 41 KM.	
30	TJF 448-512	10.9	TJM 574-286 TJN 496-592 SXA 674-1132	10.88 3.6 3.325				ENTERED SWY 23.29. 25M INTERVAL CHAINING.	
31	TJE 311-488 TJF 512-372	10.875 3.500	TJM 284-200 TJL 200-556	3.15 13.35				RUN TRAVERSE SWX TO SWA. 22 KM	
TOTAL		375.688		387.643					

PROSPECTS CLOSED & COMPLETED SPENCER: PANDO:..

BOXWOOD: WARRA REGIONAL: MILPERA CHIDLEE; MDOSALA

COMPILED BY: BRIAN WAIN.

AUGUST
1984..SEISMIC SURVEY
MONTHLY REPORTBLOCK TINGA TINGANA
TOOLACHEE MOOMBA
PROSPECT South Region
Cherri Weena MoombaCONTRACTOR: S.D.U.
PARTY No: 5
PARTY J. MURPHY
CHIEF: B. WAIN

DATE	SURVEY						REMARKS
	CHAINED		LEVELLED		REDUCED		
	LINES	KM	LINES	KM	LINES	KM	
1	TJF 488-200 TJE 372-320	7.20 1.30	TJL 336-600 TJQ 200-476	1.65 10.35	~	~	20 KM. TRAVERSE
2	TJJ 800-396	10.10	TJP 200-460	9.76	8WZ 5AM 5AM 80Z 5AG 8AF	105.30	18 KM TRAVERSE
3	TJJ 396-200 TJH 200-464	4.90 6.60	202A TJG 1200	20.60	~	129.38	REDUCED - SKC, SKB, SKD, SWX, 3RA, SRB, SAC
4	TJH 464-896	10.80	TJG 1200-558	16.05	SWY TNT TNW	88.65	
5	TJG 202A-1358 TJH 896-1112	16.65 5.40	TJE 1232-331	22.45	SKA	35.00	15 KM TRAVERSE
6	~	~	TJE 331-200 TJJ 800-200	3.275 15.000	~	~	CHAINMEN RECOVERING PEGS COMPUTED TIES
7	~	~	TJG 200-588 TJH 606-923	9.700 7.325	~	53.80	COMPUTED MIDMAN AREA
8	~	~	TJH 200-606 923-1112	10.150 4.725	~	~	CAMP MOVE
9	~	~	TJF 1184-500	17.100	SBY	11.0	COMPUTED TIES IN DELLA PLANK
10	~	~	TJF 500-320	4.500	~	76.43	5.5 KM TRAVERSE TJH TO TJG REDUCED SRQ, 3RA, SRY, SRX, SRW, SRT, SRS, SRE, SRD
11	~	~	~	~	SRM	6.30	TRAVERSE TJH TO TJG + TJF TO PIPELINE ROAD COMPUTED TIES
12	TPN 200-428 TPM 200-282	8.550 3.075	~	~	~	~	5.0 KM TRAVERSE TO TJF
13	~	~	TPN 200-428	8.550	~	112.28	COMPUTED SRZ, SSA, SSB, SSC, SSD, SSE, TJM, TJL, TJP, TJQ, TJN, SSL
14	TPN 282-440	5.925	TPM 200-440	9.000	SSH	8.775	
15	TPL 200-532	12.450	~	~	SSK, SSJ SSH	31.00	
16	TPK 452-280	6.450	TPL 532-300	8.700	SJK, SJA	43.73	
17	TPK 280-200	3.000	TPL 300-200	3.750	SJL, SJP SJM, SJR SJN, SHR	74.48	
18	TPK 452-596	5.40	TPK 200-469	10.088	~	151.38	REDUCED TJE, TJF, TJJ, TJG, TJH, SRZ, SHA
19	TPK 596-700	3.90	TPK 469-700	8.663	SGZ, SHN SHW, SHQ	39.30	
20	TPR 200-320 TPQ 200-344	12.00 5.40	~	~	~	~	COMPUTED WEENA & LOOLDOON TIES
21	TPU 200-364 TQJ 200-396	6.15 7.35	TPR 200-340	5.25	~	~	INTERSECTION DIAGRAMS FINALISED FOR SPENCER
22	TPP 200-392 TQF 200-392	7.20 7.20	~	~	~	~	P.M. LISTINGS & DIAGRAMS
23	TQD 200-368 TQF 392-636	6.30 9.15	TPR 200-520 TRT 364-329	12.0 1.312	TPK	18.75	FINALS FOR PANDO
24	TQC 200-324 TQD 368-668	4.65 11.25	TPT 329-200 TPP 200-330	4.84 4.875	~	~	FINALISED PANDO & WARRA REGIONS
25	TQA 200-300 TQB 200-396 TQC 324-424	3.75 7.35 3.75	TPP 330-392	2.325	~	~	6.1 KM TRAVERSE
26	TQJ 396-580	6.90	TQT 200-440	9.000	~	~	
27	TQA 300-396 TAY 396-300 TQJ 580-812	3.60 3.60 8.70	TQJ 440-731	10.9125	~	~	
28	TPT 592-336 TPY 300-200	9.60 3.75	TQJ 731-812 TQC 200-422 TQD 648-591	3.03 8.325 2.88	~	~	
TOTAL							

PROSPECTS CLOSED & COMPLETED

COMPILED BY: J. MURPHY
POSITION: PARTY MANAGER

4. SEISMIC PROCESSING

Processing Summary

1984 Hogarth-TIN Seismic Survey

All lines in this Block are at preliminary stack (60.1) stage. Line 84-TJE has reached final stage. Approval to proceed to final stack (130.1) has been given for the Cherri flank grid and the rest of the Towanda grid. The Fortville and regional work (except 84-TJK) will be approved to final during January. Film approval for the Towanda and Cherri flank area is expected in January.

The Cherri flank lines are having the residual statics tied back to upholes before proceeding to final.

Processing of the 1984 Hogarth-TIN Seismic Survey did not begin until 20 October due to a delay in the computation of static corrections. Parameter tests were conducted on line 84-TJE on the Towanda grid and were complete by early November. A pre-stack Designature deconvolution was chosen, combined with no post-stack deconvolution. The pre-stack mute presented some problems due to the shallow target and relatively long offsets used in the recording of the data. Production processing proceeded smoothly and all lines were at preliminary stack stage by the end of December. Data quality is only fair due to high signal to ambient noise ratio.

Field Processing Statistics

No field processing of the 1984 Hogarth-TIN Survey was conducted due to problems with the Seiscon Delta processing unit. There were no field processing facilities on the GES crew.

Processing Status Report, Dec. 31 1984

1
Geophysical Processing Status
TINGA TINGANA BLOCK STATUS REPORT

SYMBOLS USED

NLINE : Line name (YY-XXXX)
BCODE : Block code
CNTDA : Current Data? (Y/N)
DPROC : Data at processor (DD/MM/YY)
SPROC : Statics at processor (DD/MM/YY)
BSTAK : Brute stack received (30)(DD/MM/YY)
PSTAK : Preliminary stack (60)(DD/MM/YY)
FINAL : Final stack (130)(DD/MM/YY)
NFILM : Film-normal polarity(140)(DD/MM/YY)
DISTD : Finals distributed (DD/MM/YY)

DD/MM/YY : Current Data
DD-MM-YY : Projected Data

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DELHI PETROLEUM PTY LTD

2-JAN-85 13:24:29 Page 0002

Geophysical Processing Status
TINGA TINGANA BLOCK STATUS REPORT

NLINE	BCODE	CNTDA	DPROC	SPROC	BSTAK	PSTAK	FINAL	NFILM	DISTD
84-SWY	TIN	Y	09/10/84	15/10/84	14/12/84	20/12/84	18-01-85	28-02-85	11-03-85
84-TJE	TIN	Y	09/10/84	12/10/84	15/11/84	15/11/84	15/11/84	18-02-85	01-03-85
84-TJF	TIN	Y	09/10/84	12/10/84	15/11/84	22/11/84	04-01-85	18-02-85	01-03-85
84-TJG	TIN	Y	09/10/84	12/10/84	30/11/84	30/11/84	04-01-85	18-02-85	01-03-85
84-TJH	TIN	Y	09/10/84	12/10/84	15/11/84	30/11/84	04-01-85	18-02-85	01-03-85
84-TJJ	TIN	Y	09/10/84	12/10/84	15/11/84	22/11/84	04-01-85	18-02-85	01-03-85
84-TJK	TIN	Y	09/10/84	16/10/84	18-01-85	25-01-85	01-02-85	22-03-85	31-03-85
84-TJL	TIN	Y	09/10/84	09/10/84	10/12/84	14/12/84	04-01-85	18-02-85	01-03-85
84-TJM	TIN	Y	09/10/84	09/10/84	10/12/84	14/12/84	04-01-85	18-02-85	01-03-85
84-TJN	TIN	Y	09/10/84	09/10/84	06/12/84	14/12/84	04-01-85	18-02-85	01-03-85
84-TJP	TIN	Y	09/10/84	09/10/84	14/12/84	20/12/84	04-01-85	18-02-85	01-03-85
84-TJQ	TIN	Y	09/10/84	09/10/84	14/12/84	14/12/84	04-01-85	18-02-85	01-03-85
84-TNT	TIN	Y	09/10/84	15/10/84	30/11/84	30/11/84	18-01-85	28-02-85	11-03-85
84-TNW	TIN	Y	09/10/84	15/10/84	14/12/84	20/12/84	18-01-85	28-02-85	11-03-85

9-JAN-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA BLOCK STATUS REPORT

AREA	LINE	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
TOWANDA GRID HOGARTH PARTY 5	84-TJE	DATA 1	STATICS	BRUTE		FILM	
.	84-TJF	DATA 1	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TJG	DATA 1	STATICS	BRUTE		FINAL	FILM
.	84-TJH	DATA 1	STATICS	BRUTE	PRELIM	FINAL	FILM
.	84-TJJ	DATA 1	STATICS	BRUTE	PRELIM	FINAL	FILM
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
CHERRI FLANK HOGARTH PARTY 5	84-TJL	DATA		PRELIM	FINAL	FILM	
.	84-TJM	DATA		PRELIM	FINAL	FILM	
.	84-TJN	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJP	DATA	BRUTE	PRELIM	FINAL	FILM	
.	84-TJQ	DATA	BRUTE	FINAL	FILM		
FORTVILLE AREA HOGARTH PARTY 5	84-TNT	DATA	STATICS	BRUTE	FINAL	FILM	
.	84-TNW	DATA	STATICS	BRUTE	PRELIM	FINAL	FILM
		OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH

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5. INTERPRETATION

Interpretation Summary

There was no seismic survey conducted in the Block in 1983 and no further interpretation was attempted in 1984. Interpretation of the 1984 data will commence in 1985.

Geophysical Maps Issued

An interpretation of the 1982 data recorded by SAOG in the Tinga-Tingana 1, Cherri 1, and Gurra 1 area was completed by SAOG in late 1983. This interpretation included all older data in the block and was conducted by SAOG on behalf of Delhi Petroleum. The following maps were available in 1984:

Horizon

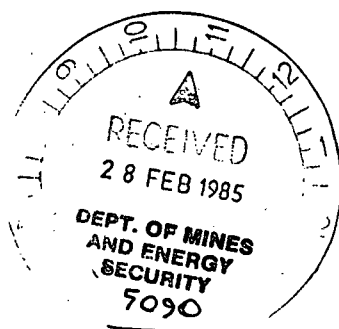
C	Depth
P	Depth
Z	Depth
C-P	Isopach
P-Z	Isopach

TINGA TINGANA BLOCK, PEL 5 & 6 SA
EXPLORATION REPORT
JANUARY 1985

Distribution (22)

Delhi (16) - R.J.S Hollingsworth
M.P. Middleton
M. Zwigulis
J.T. Frazer
T.J. Mount
P.G. Moorfield
E. Yew
L. Endebrock
K.C. Dups
I.B. Galloway
R.S. Heath
N.S. Hollis
J. Hughes
J.H. Allen
D.G. Hocking
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy



SAI Group
Delhi Petroleum Pty Ltd
February 1985

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Reprocessing
Processing Status Report

5. SEISMIC INTERPRETATION

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Geophysical Map Issues

1. SUMMARY AND HIGHLIGHTS

Drilling

No wells were spudded or completed during January. The one budgeted well now is planned for October 1985.

Seismic Acquisition

Seismic operations will be conducted in two parts. The first part, over the Fortville area, will commence in May 1985 and consists of two rounds in conjunction with the Toolachee Southern Regional Programme. The second part will commence in September 1985.

Seismic Processing

Final-stack sections have been received for all except two of the 1984 lines.

Processing of 1985 data will commence in May 1985.

Seismic Interpretation

A preliminary interpretation of the Fortville area was performed to allow forward planning of the seismic programme.

General

No meetings were held during the month. Tinga Tingana 'Block Summary and Five-Year Plan' was issued early in February.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	-	-	-	400

2. DRILLING

TINGA TINGANA BLOCK

DRILLING

JANUARY 1985

Exploration Drilling Expenditure

No wells were spudded or completed during January.

Exploration Drilling Results

(Cumulative to month end)

No wells were spudded or completed during January.

Well Summary Reports

(For month)

No wells were spudded or completed during January.

3. SEISMIC ACQUISITION

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

JANUARY 1985

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,859,940	-	1773	-	-

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	250	-	250	-	-	250

Seismic Acquisition Summary

General

Seismic operations will commence in May 1985.

Line Clearance

-

Surveying

-

Upholes

-

Recording

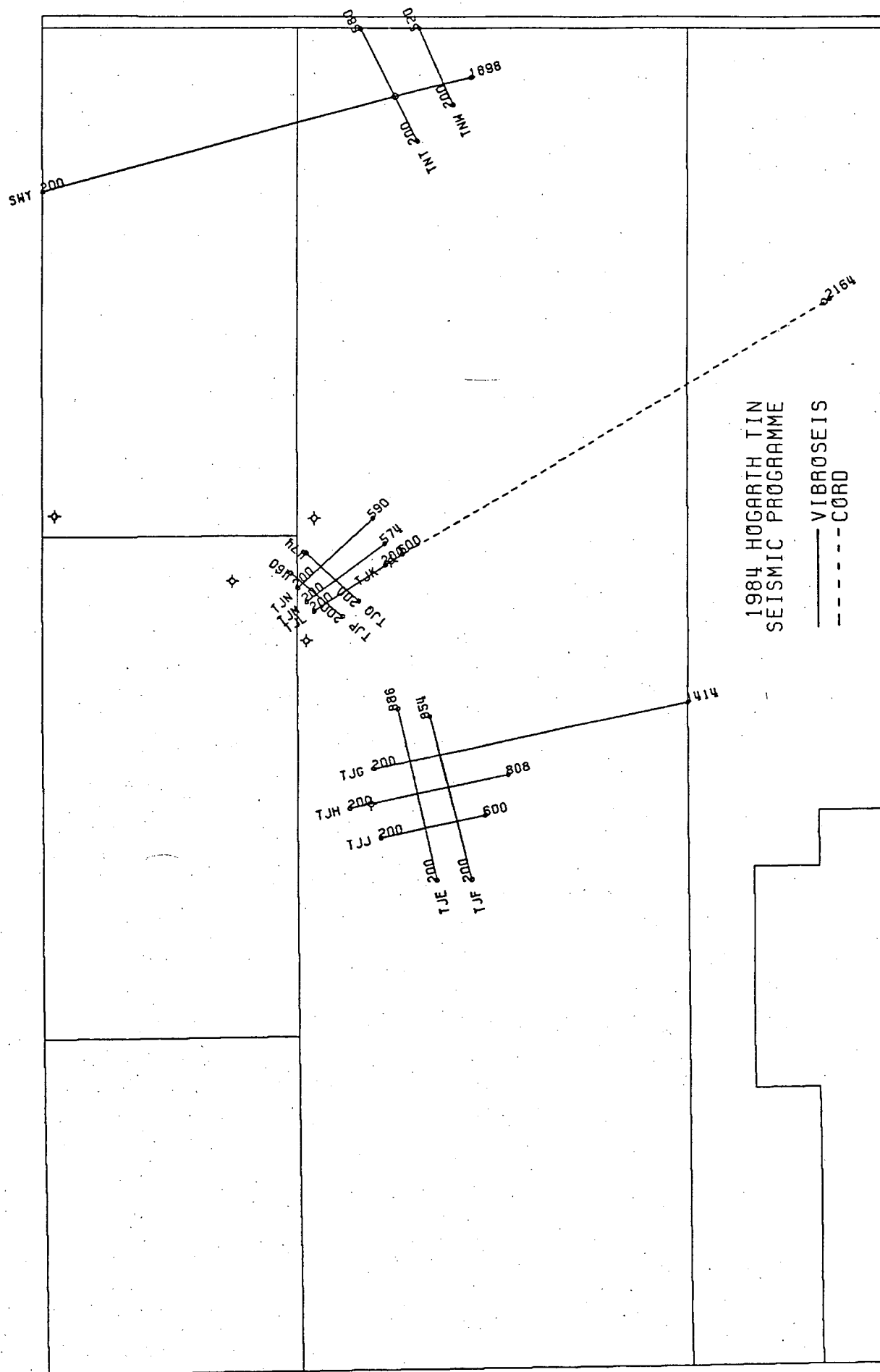
-

Statics

-

Seismic Line List

Yet to be finalised.



SURVEY LINE INDEX MAP

4. SEISMIC PROCESSING

Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

Final stack sections were received for all except two lines. Receipt of these lines has been delayed due to revision of NMO velocities.

1985 Morphet-TIN Seismic Survey

Processing will commence in May 1985.

Reprocessing

-

Processing Status Report

1
Geophysical Processing Status
TINGA TINGANA BLOCK STATUS REPORT

SYMBOLS USED

NLINE : Line name (YY-XXXX)
BCODE : Block code
CNTDA : Current Data? (Y/N)
DPROC : Data at processor (DD/MM/YY)
SPROC : Statics at processor (DD/MM/YY)
BSTAK : Brute stack received (30)(DD/MM/YY)
PSTAK : Preliminary stack (60)(DD/MM/YY)
FINAL : Final stack (130)(DD/MM/YY)
NFILM : Film-normal polarity(140)(DD/MM/YY)
DISTD : Finals distributed (DD/MM/YY).

DD/MM/YY : Current Data
DD-MM-YY : Projected Data

1

DELHI PETROLEUM PTY LTD

1-FEB-85 12:03:44 Page 0002

Geophysical Processing Status
TINGA TINGANA BLOCK STATUS REPORT

NLINE	BCODE	CNTDA	DPROC	SPROC	BSTAK	PSTAK	FINAL	NFILM	DISTD
84-SWY	TIN	Y	09/10/84	15/10/84	14/12/84	20/12/84	15-02-85	05-04-85	19-04-85
84-TJE	TIN	Y	09/10/84	12/10/84	15/11/84	15/11/84	15/11/84	15-03-85	29-03-85
84-TJF	TIN	Y	09/10/84	12/10/84	15/11/84	22/11/84	03/01/85	15-03-85	29-03-85
84-TJG	TIN	Y	09/10/84	12/10/84	30/11/84	30/11/84	03/01/85	15-03-85	29-03-85
84-TJH	TIN	Y	09/10/84	12/10/84	15/11/84	30/11/84	03/01/85	15-03-85	29-03-85
84-TJJ	TIN	Y	09/10/84	12/10/84	15/11/84	22/11/84	03/01/85	15-03-85	29-03-85
84-TJK	TIN	Y	09/10/84	16/10/84	08/01/85	25/01/85	11-02-85	22-03-85	31-03-85
84-TJL	TIN	Y	09/10/84	09/10/84	10/12/84	14/12/84	15/01/85	22-03-85	05-04-85
84-TJM	TIN	Y	09/10/84	09/10/84	10/12/84	14/12/84	15/01/85	22-03-85	05-04-85
84-TJN	TIN	Y	09/10/84	09/10/84	06/12/84	14/12/84	15/01/85	22-03-85	05-04-85
84-TJP	TIN	Y	09/10/84	09/10/84	14/12/84	20/12/84	15/01/85	22-03-85	05-04-85
84-TJQ	TIN	Y	09/10/84	09/10/84	14/12/84	14/12/84	23/01/85	22-03-85	05-04-85
84-TNT	TIN	Y	09/10/84	15/10/84	30/11/84	30/11/84	31/01/85	05-04-85	19-04-85
84-TNW	TIN	Y	09/10/84	15/10/84	14/12/84	20/12/84	31/01/85	05-04-85	19-04-85

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1-FEB-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA BLOCK STATUS REPORT

AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	DATA STATICS		DATA PRELIM			FINAL	FILM
TOWANDA GRID HOGARTH PARTY 5	84-TJE	STATICS		BRUTE			FILM	
.	84-TJF	STATICS	DATA PRELIM			FINAL	FILM	
.	84-TJG	STATICS		BRUTE		FINAL	FILM	
.	84-TJH	STATICS	BRUTE	PRELIM		FINAL	FILM	
.	84-TJJ	STATICS	DATA PRELIM			FINAL	FILM	
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	DATA STATICS		BRUTE	PRELIM		FINAL	FILM
CHERRI FLANK HOGARTH PARTY 5	84-TJL	DATA		PRELIM		FINAL	FILM	
.	84-TJM	DATA		PRELIM		FINAL	FILM	
.	84-TJN	DATA	DATA PRELIM			FINAL	FILM	
.	84-TJP	DATA	DATA PRELIM			FINAL	FILM	
.	84-TJQ	DATA		BRUTE		FINAL	FILM	
FORTVILLE AREA HOGARTH PARTY 5	84-TNT	DATA STATICS		BRUTE			FINAL	FILM
.	84-TNW	DATA STATICS		DATA PRELIM			FINAL	FILM
		OCT	NOV	DEC	JAN	FEB	MAR	APR

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5. SEISMIC INTERPRETATION

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

A preliminary interpretation of the Fortville area was performed to enable forward planning of seismic-programme layout.

1985 Morphett-TT Seismic Survey

Seismic operations will commence in May 1985.

Geophysical Map Issues

Composite Map	Tinga Tingana Block	1:100,000	R. Gray 9/83
	Cd, Pd, Zd,	1:250,000	
	C-Pd, P-Zd		

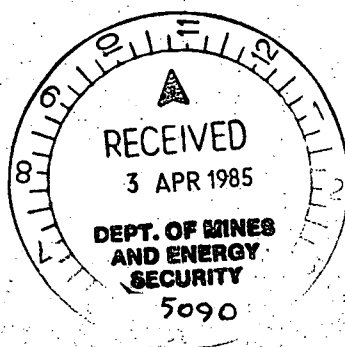
TINGA TINGANA BLOCK, PEL 5 & 6 SA
EXPLORATION REPORT
FEBRUARY 1985

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M. Zwigulis
J.T. Frazer
T.J. Mount
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E. Yew
L. Endebrock
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J. Hughes
J.H. Allen
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Santos (2)
Vamgas
SAOGC
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South Australia Department of Mines & Energy



SAI Group
Delhi Petroleum Pty Ltd
March 1985

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5. SEISMIC INTERPRETATION

Interpretation Summary
Geophysical Map Issues

1. SUMMARY AND HIGHLIGHTS

Drilling

No wells were spudded or completed during January. The one budgeted well now is planned for October 1985.

Seismic Acquisition

Seismic operations will be conducted in two parts. The first part, over the Fortville area, will commence in May 1985 and consists of two rounds in conjunction with the Toolachee Southern Regional Programme. The second part will commence in September 1985.

Seismic Processing

Final-stack sections have been received for all except one of the 1984 lines.

Processing of 1985 data will commence in May 1985.

Seismic Interpretation

A preliminary interpretation of the Fortville area was completed in January to allow forward planning of the seismic programme.

General

Exploration Strategy Meeting was held during the month. Tinga Tingana 'Block Summary and Five-Year Plan' was issued early in February. A proposal for a two-round seismic programme in the Fortville area was distributed in late February.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	-	-	-	400

2. DRILLING

Exploration Drilling Expenditure

No wells were spudded or completed during February.

Exploration Drilling Results

(Cumulative to month end)

No wells were spudded or completed during February.

Well Summary Reports

(For month)

No wells were spudded or completed during February.

3. SEISMIC ACQUISITION

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

FEBRUARY 1985

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	-	-

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	-	400	-	-	400

Seismic Acquisition Summary

General

Seismic operations will commence in May 1985.

Line Clearance

-

Surveying

-

Upholes

-

Recording

-

Statics

-

Seismic Line List

Block: Tinga TinganaNOPE: 1343Survey: 1984 Hogarth-TINCherri Flank

84-TJL	200 - 600	15.000
84-TJM	200 - 576	14.100
84-TJN	200 - 592	14.700
84-TJP	200 - 460	9.750
84-TJQ	200 - 476	10.350

 63.900

Towanda Grid 25m Station Interval

84-TJE	200 - 1232	25.800
84-TJF	320 - 1184	21.600
84-TJG	200 - 2023	45.575
84-TJH	200 - 1110	22.750
84-TJJ	200 - 800	15.000

 130.725

Fortville Area

84-SWY	200 - 1220	Hogarth-T00
	1220 - 1900	25.500
84-TNT	200 - 676	17.850
84-TNW	200 - 518	11.925

 55.275

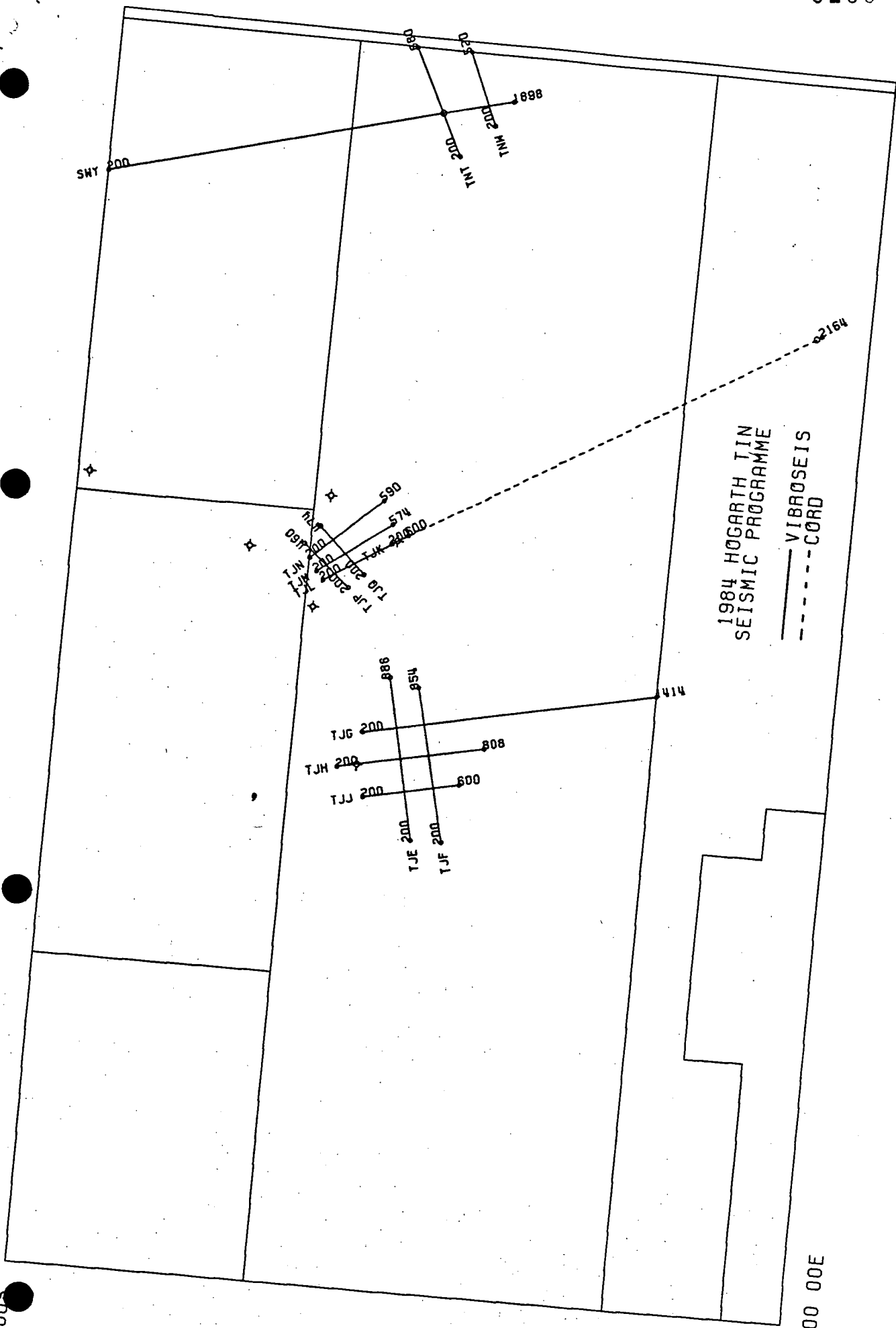
Cherri-Tilcha Regional

84-TJK	200 - 1530	50.025
	1530 - 2164	Hogarth-ARR

 50.025

1984 Hogarth-TIN Total

 299.925



SURVEY LINE INDEX MAP

4. SEISMIC PROCESSING

Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

Towanda Grid

Film approval has been given for all lines in this area during February.

Cherri Flank

Film approval has been given for all lines except 84-TJQ, which showed considerable error in the stacking velocities.

Fortville

Final stacks were revised and post stack parameters reconsidered. Film approval will be given during March.

Southern Regional

A final stack of Line 84-SWY is expected early in March.

1985 Morphett-T00 Seismic Survey

Processing is expected to commence in May 1985.

Processing Status Report

5-MAR-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA BLOCK STATUS REPORT

AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	STATICS			PRELIM		FINAL	FILM	
TOWANDA GRID HOGARTH PARTY 5	84-TJE	STATICS		BRUTE			FILM		
.	84-TJF	STATICS	BRUTE	PRELIM		FINAL	FILM		
.	84-TJG	STATICS		BRUTE		FINAL	FILM		
.	84-TJH	STATICS	BRUTE	PRELIM		FINAL	FILM		
.	84-TJJ	STATICS	BRUTE	PRELIM		FINAL	FILM		
CERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	DATA	STATICS	BRUTE	PRELIM		FINAL	FILM	
CERRI FLANK HOGARTH PARTY 5	84-TJL	DATA		PRELIM		FINAL	FILM		
.	84-TJM	DATA		PRELIM		FINAL	FILM		
.	84-TJN	DATA	BRUTE	PRELIM		FINAL	FILM		
.	84-TJP	DATA		PRELIM		FINAL	FILM		
.	84-TJQ	DATA		BRUTE		FINAL	FILM		
FORTVILLE AREA HOGARTH PARTY 5	84-TNT	STATICS		BRUTE		FINAL	FILM		
.	84-TNW	STATICS		PRELIM		FINAL	FILM		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY

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5. SEISMIC INTERPRETATION

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

A preliminary interpretation of the Fortville area was completed in January to enable forward planning of seismic-programme layout.

1985 Morphett-TT Seismic Survey

Seismic operations will commence in May 1985.

Geophysical Map Issues

Composite Map

Tinga Tingana Block
Cd, Pd, Zd,
C-Pd, P-Zd

1:100,000
1:250,000

R. Gray 9/83

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

MARCH 1985

Distribution (22)

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T.J. Mount
P.G. Moorfield
E. Yew
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R.S. Heath
P.F. McKenzie
J. Hughes
J.H. Allen
D.G. Hocking
Library

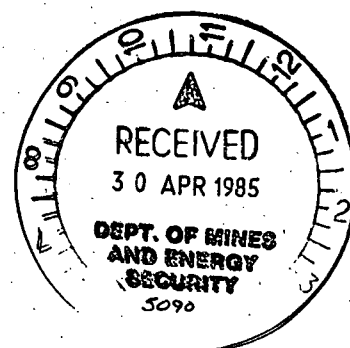
Santos (2)

Vamgas

SAOGC

Hartogen

South Australia Department of Mines & Energy



SAI Group
Delhi Petroleum Pty Ltd
March 1985

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Interpretation Summary
Geophysical Map Issues

1. SUMMARY AND HIGHLIGHTS

Drilling

No wells were spudded or completed during March. The one budgeted well, Paxton 1, now is planned for November 1985.

Seismic Acquisition

Seismic operations will be conducted in two parts. The first part, over the Fortville area, will commence in May 1985 and consists of two rounds in conjunction with the Toolachee Southern Regional Programme. The second part will commence in September 1985.

Seismic Processing

Final-stack sections have been received for all of the 1984 lines.

Processing of 1985 data will commence in May 1985.

Seismic Interpretation

A preliminary interpretation of the Fortville area was completed in January to allow forward planning of the seismic programme.

General

A proposal for a two-round seismic programme in the Fortville (Paxton) area was distributed in late February.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	-	-	-	400

2. DRILLING

TINGA TINGANA BLOCK

DRILLING

MARCH 1985

Exploration Drilling Expenditure

No wells were spudded or completed during March.

Paxton 1 planned for November.

Exploration Drilling Results

(Cumulative to month end)

No wells were spudded or completed during March.

Well Summary Reports

(For month)

No wells were spudded or completed during March.

3. SEISMIC ACQUISITION

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

MARCH 1985

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	-	-

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	-	400	-	-	400

Seismic Acquisition Summary

General

Seismic operations will commence in May 1985.

Line Clearance

-

Surveying

-

Upholes

-

Recording

-

Statics

-

Seismic Line List

1984 PROGRAMMEBlock: Tinga TinganaNOPE: 1343Survey: 1984 Hogarth-TINCherri Flank

84-TJL	200 - 600	15.000
84-TJM	200 - 576	14.100
84-TJN	200 - 592	14.700
84-TJP	200 - 460	9.750
84-TJQ	200 - 476	10.350

63.900

Towanda Grid 25m Station Interval

84-TJE	200 - 1232	25.800
84-TJF	320 - 1184	21.600
84-TJG	200 - 2023	45.575
84-TJH	200 - 1110	22.750
84-TJJ	200 - 800	15.000

130.725

Fortville Area

84-SWY	200 - 1220	Hogarth-T00
	1220 - 1900	25.500
84-TNT	200 - 676	17.850
84-TNW	200 - 518	11.925

55.275

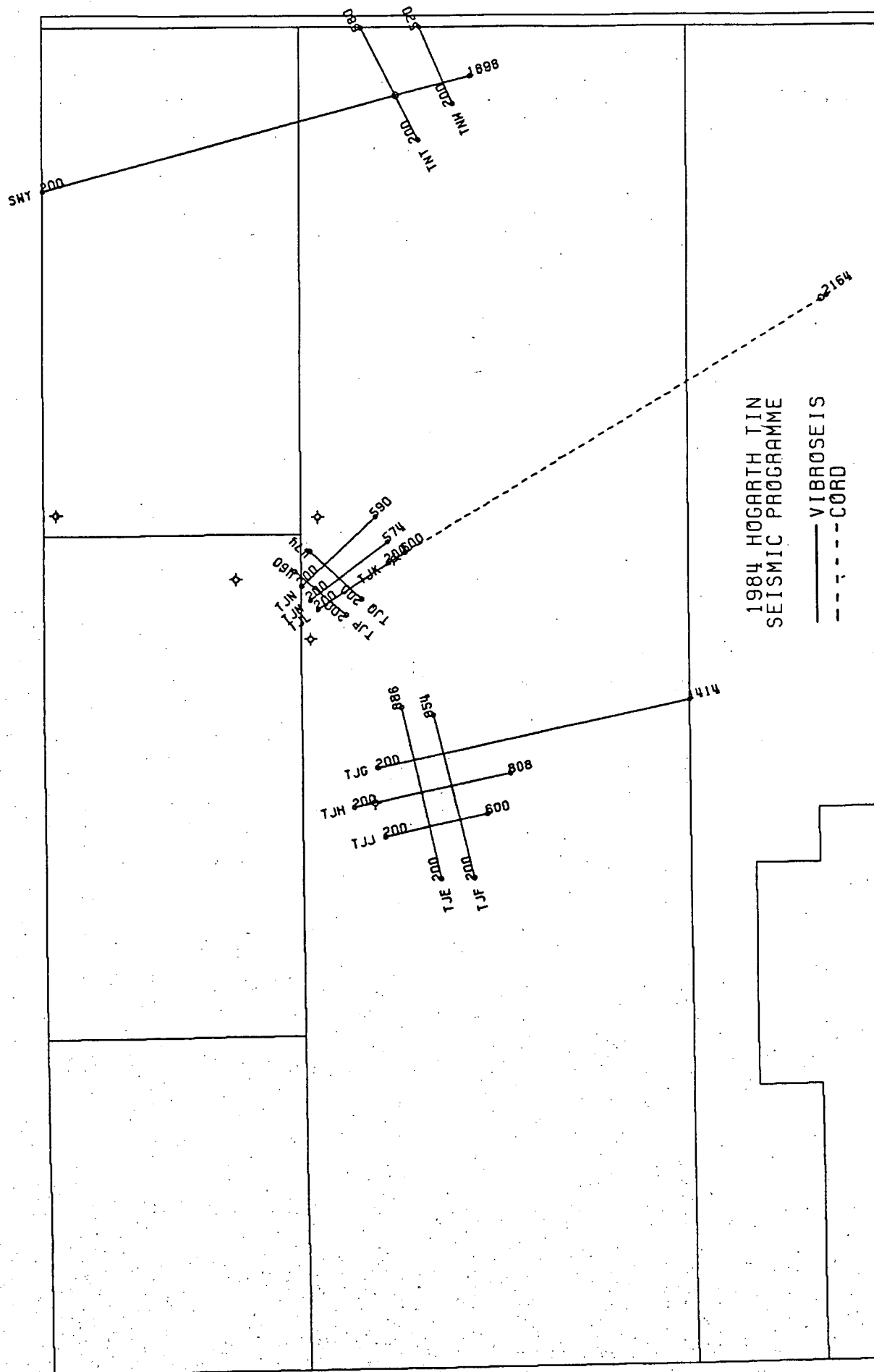
Cherri-Tilcha Regional

84-TJK	200 - 1530	50.025
	1530 - 2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925



4. SEISMIC PROCESSING

Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

Towanda Grid

Films will be received for this area early in April.

Cherri Flank

Film approval has been given for all lines. Films will be received early in April.

Fortville (Paxton)

Film approval was given during March. Films are expected in April.

The final stack of Line 84-SWY is being revised to correct a cycle skip near the Fortville area.

Cherri-Tilcha Regional

The final stack was received in March.

1985 Morphett-TIN Seismic Survey

Processing is expected to commence in May 1985.

Processing Status Report

1-APR-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA BLOCK STATUS REPORT

AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	STATICS		PRELIM			FINAL		FILM	
TOWANDA GRID HOGARTH PARTY 5	84-TJE	STATICS		BRUTE			FILM			
	84-TJF	STATICS	BRUTE	PRELIM		FINAL		FILM		
	84-TJG	STATICS		BRUTE		FINAL		FILM		
	84-TJH	STATICS	BRUTE	PRELIM		FINAL		FILM		
	84-TJJ	STATICS	BRUTE	PRELIM		FINAL		FILM		
CERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	DATA	STATICS	BRUTE	PRELIM		FINAL		FILM	
CERRI FLANK HOGARTH PARTY 5	84-TJL	DATA		PRELIM		FINAL		FILM		
	84-TJM	DATA		PRELIM		FINAL		FILM		
	84-TJN	DATA	BRUTE	PRELIM		FINAL		FILM		
	84-TJP	DATA		PRELIM		FINAL		FILM		
	84-TJQ	DATA		BRUTE		FINAL		FILM		
FORTVILLE AREA HOGARTH PARTY 5	84-TNT	STATICS		BRUTE		FINAL		FILM		
	84-TNW	STATICS		PRELIM		FINAL		FILM		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN

5. SEISMIC INTERPRETATION

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

A preliminary interpretation of the Fortville area was completed in January to enable forward planning of seismic-programme layout.

1985 Morphett-TT Seismic Survey

Seismic operations will commence in May 1985.

Geophysical Map Issues

Composite Map

Tinga Tingana Block
Cd, Pd, Zd,
C-Pd, P-Zd

1:100,000
1:250,000

R. Gray 9/83

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

APRIL 1985

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Reprocessing
Processing Status Report

SEISMIC INTERPRETATION

Interpretation Summary
Geophysical Map Issues

DISTRIBUTION (16)

Delhi (10) - R.J.S Hollingsworth
M.P. Middleton
M. Zwigulis
J.T. Frazer
T.J. Mount
P.G. Moorfield
E. Yew
J. Hughes
J.H. Allen
Library

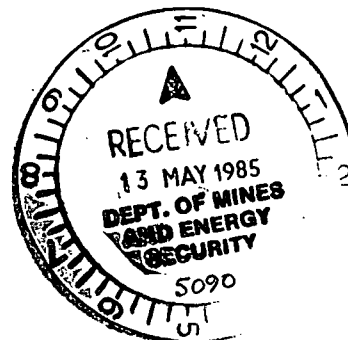
Santos (2)

Vamgas

SAOGC

Hartogen

South Australia Department of Mines & Energy



SAI Group
Delhi Petroleum Pty Ltd
April 1985
DFL/111/1-6

Drilling

No wells were spudded or completed during April. The one budgeted well, Paxton 1, now is planned for October 1985.

Seismic Acquisition

Seismic operations will be conducted in two parts. The first part, over the Fortville area, will commence in May 1985 and consists of two rounds in conjunction with the Toolachee Southern Regional Programme. The second part will commence in September 1985.

Seismic Processing

Films and migrated sections for all 1984 lines were received in April.

Processing of 1985 data will commence in May 1985.

Seismic Interpretation

Field interpretation of the first-round Fortville Programme will be performed in May.

General

-

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	-	-	-	400

TINGA TINGANA BLOCKDRILLING

Exploration Drilling Expenditure

No wells were spudded or completed during April.

Paxton 1 planned for November.

Exploration Drilling Results
(Cumulative to month end)

No wells were spudded or completed during April.

Well Summary Reports
(For month)

No wells were spudded or completed during April.

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	-	-

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	-	400	-	-	400

Seismic Acquisition Summary

General

Seismic operations will commence in May 1985.

Line Clearance

-

Surveying

-

Upholes

-

Recording

-

Statics

-

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1984 Programme

BLOCK: TINGA TINGANANOPE: 1343SURVEY: 1984
HOGARTH-TIN

Cherri Flank

84-TJL	200-600	15.000
84-TJM	200-576	14.100
84-TJN	200-592	14.700
84-TJP	200-460	9.750
84-TJQ	200-476	10.350

63.900

Towanda Grid

84-TJE	200-1232	25.800
84-TJF	320-1184	21.600
84-TJG	200-2023	45.575
84-TJH	200-1100	22.750
84-TJJ	200- 800	15.000

130.725

Fortville Area

84-SWY	200-1220	Hogarth-T00
	1220-1900	25.500
84-TNT	200-676	17.850
84-TNW	200-518	11.925

55.275

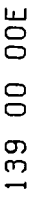
Cherri-Tilcha Regional

84-TJK	200-1530	50.025
	1530-2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925



TINGA TINGANA BLOCK

SEISMIC PROCESSING

Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

Towanda Grid

Films were received for this area during April. Migrated stacks also were received.

Cherri Flank

Films were received for this area during April. Migrated stacks also were received.

Fortville (Paxton)

Films of Lines 84-TNT, TNW were received during April.

The final stack of Line 84-SWY is being revised to correct a cycle skip near the Fortville area.

Southern Regional

Film approval was given for this line during April.

1985 Morphett-TIN Seismic Survey

Processing is expected to commence in June 1985.

Reprocessing

1-MAY-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA BLOCK STATUS REPORT

AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	STATICS		PRELIM			FINAL			FILM
TOWANDA GRID HOGARTH PARTY 5	84-TJE	STATICS		BRUTE				FILM		
.	84-TJF	STATICS	BRUTE	PRELIM		FINAL		FILM		
.	84-TJG	STATICS		BRUTE		FINAL		FILM		
.	84-TJH	STATICS	BRUTE	PRELIM		FINAL		FILM		
.	84-TJJ	STATICS	BRUTE	PRELIM		FINAL		FILM		
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	DATA	STATICS	BRUTE	PRELIM		FINAL		FILM	
CHERRI FLANK HOGARTH PARTY 5	84-TJL	DATA		PRELIM		FINAL		FILM		
.	84-TJM	DATA		PRELIM		FINAL		FILM		
.	84-TJN	DATA	BRUTE	PRELIM		FINAL		FILM		
.	84-TJP	DATA		PRELIM		FINAL		FILM		
.	84-TJQ	DATA		BRUTE		FINAL		FILM		
FORTVILLE AREA HOGARTH PARTY 5	84-TNT	STATICS		BRUTE		FINAL		FILM		
.	84-TNW	STATICS		PRELIM		FINAL		FILM		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN

0238

TINGA TINGANA BLOCK

SEISMIC INTERPRETATION

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

A preliminary interpretation of the Fortville area was completed in January to enable forward planning of seismic-programme layout.

1985 Morphett-TT Seismic Survey

Seismic operations will commence in May 1985. Interpretation of this first round Fortville programme will be performed in the field.

Geophysical Map Issues

Composite Map

Tinga Tingana Block
Cd, Pd, Zd,
C-Pd, P-Zd

1:100,000
1:250,000

R. Gray 9/83

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

MAY 1985

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SEISMIC PROCESSING

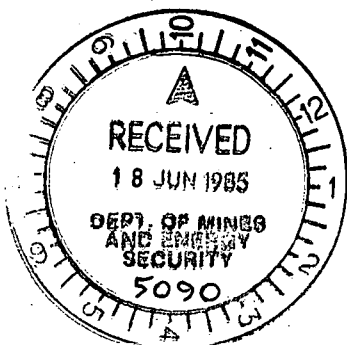
Processing SummaryReprocessingProcessing Status Report

SEISMIC INTERPRETATION

Interpretation SummaryGeophysical Map IssuesDISTRIBUTION (16)

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E. Yew
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J.H. Allen
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy



SA1 Group
Delhi Petroleum Pty Ltd
May 1985
DFL/111/6

Drilling

No wells were spudded or completed during May. The one budgeted well, Paxton 1, now is planned for September 1985.

Seismic Acquisition

Seismic recording operations commenced in the Paxton area on 12 May. The 97 km pre-detail round was completed on 20 May.

Seismic Processing

Films for most of the 1984 lines will be distributed in June. Processing trials for the 1985 Morphett-TIN (Paxton area) commenced in the field on 12 May. After an initial delay in the computation of elevations processing proceeded smoothly. Brute stack sections were available by 30 May and preliminary sections by 2 June.

Seismic Interpretation

Field interpretation of the first-round Paxton Programme commenced on 28 May. A preliminary C time map was completed by 2 June to enable layout of the second-round detail programme. This programme will be forwarded to associates in the first week of June.

General

Significant savings in time and cost using field processing and interpretation on Paxton seismic.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	-	97	97	400

TINGA TINGANA BLOCKDRILLING

Exploration Drilling Expenditure

No wells were spudded or completed during the month.

Paxton 1 planned for November.

Exploration Drilling Results
(Cumulative to month end)

No wells were spudded or completed during the month.

Well Summary Reports
(For month)

No wells were spudded or completed during the month.

TINGA TINGANA BLOCKSEISMIC ACQUISITIONSeismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	1,171,700	1,171,000

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	-	400	97	97	303

Seismic Acquisition Summary

General

Seismic recording operations commenced in the Paxton area on 12 May.

Line Clearance

Line clearing commenced in the Paxton area on 2 May. A total of 97 km were cleared by 7 May.

Surveying

Surveying commenced on 11 May. 97 km were completed by 17 May.

Upholes

Drilling commenced on 10 May. 66 upholes for 7210 metres were drilled and recorded by 21 May.

Recording

Recording commenced on 12 May and 97 km was recorded by 20 May.

Statics

Static acquisition commenced on 10 May. After an initial delay in the computation of elevations, statics were computed in the field and were completed by 24 May.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1984 Programme

BLOCK: TINGA TINGANA

NOPE: 1343

SURVEY: 1984 Hogarth-TIN

Cherri Flank

84-TJL	200-600	15.000
84-TJM	200-576	14.100
84-TJN	200-592	14.700
84-TJP	200-460	9.750
84-TJQ	200-476	10.350

63.900

Towanda Grid

84-TJE	200-1232	25.800
84-TJF	320-1184	21.600
84-TJG	200-2023	45.575
84-TJH	200-1100	22.750
84-TJJ	200- 800	15.000

130.725

Fortville Area

84-SWY	200-1220	Hogarth-T00
	1220-1900	25.500
84-TNT	200-676	17.850
84-TNW	200-518	11.925

55.275

Cherri-Tilcha Regional

84-TJK	200-1530	50.025
	1530-2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

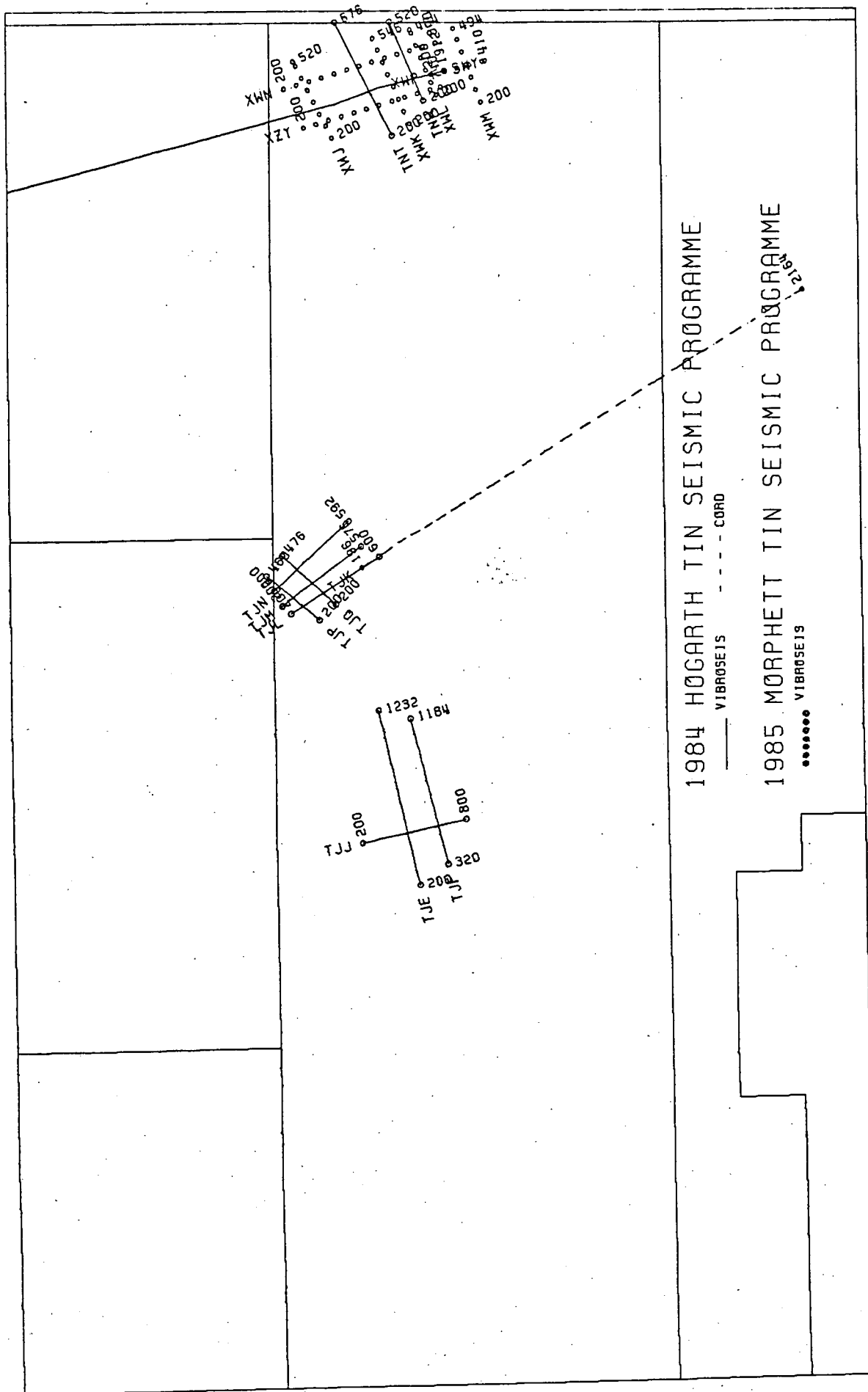
SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250

96.525

28 40 00S



Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

Towanda Grid

Films will be distributed early in June.

Cherri Flank

Films will be distributed early in June.

Fortville

Films of Lines 84-TNT and 84-TNW will be distributed early in June. The final stack of Line 84-SWY is being revised to correct a cycle skip near the Fortville area.

Southern Regional

Film approval was given for this line during April.

1985 Morphett-TIN Seismic Survey

Processing trials commenced in the field on 12 May. Processing commenced on 23 May. Brute stack sections were available by 30 May and Preliminary-stack sections by 2 June.

Reprocessing

4-JUN-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA BLOCK STATUS REPORT

AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	STATICS	PRELIM	FINAL	FILM						
TOWANDA GRID HOGARTH PARTY 5	84-TJE	STATICS	BRUTE	FILM	DIST						
	84-TJF	STATICS	PRELIM	FINAL	FILM	DIST					
	84-TJG	STATICS	BRUTE	FINAL	FILM	DIST					
	84-TJH	STATICS	BRUTE	PRELIM	FINAL	FILM	DIST				
	84-TJJ	STATICS	PRELIM	FINAL	FILM	DIST					
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	STATICS	BRUTE	PRELIM	FINAL	FILM					
CHERRI FLANK HOGARTH PARTY 5	84-TJL	DATA	PRELIM	FINAL	FILM	DIST					
	84-TJM	DATA	PRELIM	FINAL	FILM	DIST					
	84-TJN	DATA	PRELIM	FINAL	FILM	DIST					
	84-TJP	DATA	PRELIM	FINAL	FILM	DIST					
	84-TJQ	DATA	BRUTE	FINAL	FILM	DIST					
FORTVILLE AREA HOGARTH PARTY 5	84-TNT	STATICS	BRUTE	FINAL	FILM	DIST					
	84-TNW	STATICS	PRELIM	FINAL	FILM	DIST					
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL

Processing Status Report

0248

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

A preliminary interpretation of the Fortville area was completed in January to enable forward planning of seismic-programme layout.

1985 Morphett-TT Seismic Survey

Interpretation of the first round Paxton Programme commenced in the field on 28 May. A preliminary C time map was completed by 2 June to allow layout of the second round detail programme.

Geophysical Map Issues

Composite Map

Tinga Tingana Block
Cd, Pd, Zd,
C-Pd, P-Zd

1:100,000
1:250,000

R. Gray 9/83

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

JUNE 1985

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Processing Status Report

SEISMIC INTERPRETATION

Interpretation Summary
Geophysical Map Issues

DISTRIBUTION (17)

Delhi (11) - R.J.S. Hollingsworth
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M. Zwigulis
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T.J. Mount
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D.G. Hocking
Library

Santos (2)
Vamgas
SAOGC
Hartogen
South Australia Department of Mines & Energy



SA1 Group
Delhi Petroleum Pty Ltd
June 1985
DFL/111/6

Drilling

No wells were spudded or completed during May. The one budgeted well, Paxton 1, now is planned for September 1985.

Seismic Acquisition

Line clearing of the second-round Paxton Survey commenced on 10 June and was completed on 17 June. Drilling commenced on 14 June and was completed on 23 June.

Seismic Processing

Films for most of the 1984 lines were distributed in June. Processing of the first-round Paxton Survey proceeded to final stack in the field. Planning of processing the second-round Paxton Survey, and recomputation of statics, continued.

Seismic Interpretation

Interpretation of Towanda and Cherri is in progress.

General

A proposal for a 62 km second-round Paxton Survey was distributed to associates and approved.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	-	97	-	400

Exploration Drilling Expenditure

No wells were spudded or completed during the month.

Paxton 1 planned for November.

Exploration Drilling Results
(Cumulative to month end)

No wells were spudded or completed during the month.

Well Summary Reports
(For month)

No wells were spudded or completed during the month.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	1,171,700	1,171,000

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	-	400	-	97	303

Seismic Acquisition Summary

General

Seismic recording operations will recommence in the Paxton area in early July.

Line Clearance

Line clearing recommenced in the Paxton area on 10 June. 61 km were cleared by 17 June.

Surveying

61 km were chained and surveyed by 23 June.

Upholes

Drilling commenced on 14 June. 52 upholes for 5356m were drilled and recorded by 23 June.

Recording

No recording during the month.

Statics

Revision of first-round statics using additional information from the second round, and computation of second-round statics is in progress.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1984 Programme

BLOCK: TINGA TINGANA

NOPE: 1343

SURVEY: 1984 Hogarth-TIN

Cherri Flank

84-TJL	200-600	15.000
84-TJM	200-576	14.100
84-TJN	200-592	14.700
84-TJP	200-460	9.750
84-TJQ	200-476	10.350

63.900

Towanda Grid

84-TJE	200-1232	25.800
84-TJF	320-1184	21.600
84-TJG	200-2023	45.575
84-TJH	200-1100	22.750
84-TJJ	200- 800	15.000

130.725

Fortville Area

84-SWY	200-1220	Hogarth-T00
	1220-1900	25.500
84-TNT	200-676	17.850
84-TNW	200-518	11.925

55.275

Cherri-Tilcha Regional

84-TJK	200-1530	50.025
	1530-2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphet-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

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1961

139 00 00E

SURVEY LINE INDEX

141 001 001 256

Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

Towanda Grid

Films were distributed in June.

Cherri Flank

Films were distributed in June.

Fortville

Films for Lines 84-TNT and 84-TNW were distributed in June. The final stack of Line 84-SWY is being revised to correct a cycle skip near the Fortville area.

Southern Regional

Film approval was given for this line during April.

1985 Morphett-TIN Seismic Survey

Fortville

Field processing of the first-round data was completed in June, second-round uphole programme was sent to the crew and was completed during June. The second-round recording will begin early in July and field processing will commence forthwith.

Processing of these lines in a centre will begin on completion of the second round shooting.

Reprocessing

-

9-JUL-85		DELHI PETROLEUM PTY LTD						
TINGA TINGANA PROCESSING STATUS REPORT PART 1								
AREA	LINE	JUNE	JULY		AUGUST	SEPTEMBER	OCTOBER	
SAOG CHERRI RE-PROC	82-MCDR	DATA		STATICS	BRUTE	PRELIM	FINAL	FILM
		JUNE	JULY		AUGUST	SEPTEMBER	OCTOBER	

Processing Status Report

9-JUL-85		DELHI PETROLEUM PTY LTD																																		
TINGA TINGANA PROCESSING STATUS REPORT PART 2																																				
AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG																								
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	<table><tr><td colspan="2">STATICS</td><td colspan="4">PRELIM</td><td colspan="4">FINAL</td><td>FILM</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>												STATICS		PRELIM				FINAL				FILM												
		STATICS		PRELIM				FINAL				FILM																								
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	<table><tr><td colspan="3">STATICS</td><td>BAUTE</td><td colspan="3">PRELIM</td><td colspan="3">FINAL</td><td>FILM</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>												STATICS			BAUTE	PRELIM			FINAL			FILM												
		STATICS			BAUTE	PRELIM			FINAL			FILM																								
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG																								

Processing Status Report

0259

TINGA TINGANA BLOCK

SEISMIC INTERPRETATION

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

Interpretation of Towanda and Cherri is in progress.

1985 Morphet-TT Seismic Survey

Geophysical Map Issues

Composite Map

Tinga Tingana Block
Cd, Pd, Zd,
C-Pd, P-Zd

1:100,000

1:250,000

R. Gray 9/83

3-JUL-85		DELHI PETROLEUM PTY LTD					
TINGA TINGANA PROCESSING STATUS REPORT PART 3							
AREA	LINE	JULY		AUGUST	SEPTEMBER	OCTOBER	
CHERRI FLANK RE-PROC	84-TJLR	DATA	BAUTE	PRELIM	FINAL		FILM
		JULY		AUGUST	SEPTEMBER	OCTOBER	

Processing Status Report

0261

TINGA TINGANA BLOCK, PEL 5 & 6 SA

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Santos (2)

Vamgas

SAOGC

Hartogen

South Australia Department of Mines & Energy



SA1 Group
Delhi Petroleum Pty Ltd
August 1985
DFL/111/6

Drilling

No wells were spudded or completed during July. The one budgeted well, Paxton 1, now is planned for September 1985.

Seismic Acquisition

61 km was recorded to complete the second-round Paxton Survey on 6 July. Line clearing in the Towanda area commenced on 26 July and 133 km had been cleared by the end of the month.

Seismic Processing

Processing of the second-round Paxton Survey was performed in the field and final stack sections were available by 25 July.

Seismic Interpretation

Interpretation of Towanda and Cherri is complete. Preliminary maps were available by mid-July and final maps will be available in early August.

General

A proposal for a 249 km programme in the central portion of the block was distributed to Associates and approved.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	407	158	61	407

TINGA TINGANA BLOCK

DRILLING

Exploration Drilling Expenditure

No wells were spudded or completed during the month.

Paxton 1 planned for September.

Exploration Drilling Results
(Cumulative to month end)

No wells were spudded or completed during the month.

Well Summary Reports
(For month)

No wells were spudded or completed during the month.

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	1,171,700	1,171,000

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	407	407	61	158	249

Seismic Acquisition Summary

General

61 km of line was recorded to complete the second-round Paxton Survey by 6 July. The third-round Survey in the Towanda area commenced on 26 July and 133 km had been cleared by the end of the month.

Line Clearance

133 km were cleared at a daily rate of 22 km.

Surveying

101 km of line were chained and levelled. Second-round Paxton computations were completed.

Upholes

One drill returned to TIN to drill 6 redrill upholes for 605 metres. These were completed on 7 July.

Recording

61.43 km of 48-fold Vibroseis were recorded to complete the second-round Paxton Survey by 6 July.

Statics

Static computations for the second-round Paxton Survey, and a revision of the first-round statics were completed in the field by the 15th July.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1984 Programme

BLOCK: TINGA TINGANA

NOPE: 1343

SURVEY: 1984 Hogarth-TIN

Cherri Flank

84-TJL	200-600	15.000
84-TJM	200-576	14.100
84-TJN	200-592	14.700
84-TJP	200-460	9.750
84-TJQ	200-476	10.350

63.900

Towanda Grid

84-TJE	200-1232	25.800
84-TJF	320-1184	21.600
84-TJG	200-2023	45.575
84-TJH	200-1100	22.750
84-TJJ	200- 800	15.000

130.725

Fortville Area

84-SWY	200-1220	Hogarth-T00
	1220-1900	25.500
84-TNT	200-676	17.850
84-TNW	200-518	11.925

55.275

Cherri-Tilcha Regional

84-TJK	200-1530	50.025
	1530-2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
85-YNN	200 - 354	5.775
85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

TINGA TINGANA BLOCKSEISMIC ACQUISITIONSeismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

Tataru

85-YNY	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

Total

406.500

0269



141 00 00E

Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

The final stack of Line 84-SWY is being revised to correct a cycle skip near the Fortville area.

Southern Regional

Film approval was given for this line during April.

1985 Morphett-TIN Seismic Survey

Fortville

Field processing of the first-round data was completed in June. The second-round uphole programme was completed during June. The second-round field processing was completed during July. It is intended to film these field processed sections and no further work will be done on these lines.

Reprocessing

Lines 82-MCD and 84-TJL are being reprocessed to achieve a good character between the two sets of data. Due to the success of this work further reprocessing of the 1982 data has just begun. Tapes for lines 82-MCB, MCC, MCF, MCG, MCH have been sent to GSI Adelaide.

2-AUG-85		DELHI PETROLEUM PTY LTD													
TINGA TINGANA PROCESSING STATUS REPORT P 1															
AREA		LINE		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER			
SAOG CHERRI RE-PROC		82-MCDR		DATA		STATICS	BRUTE	PRELIM			FINAL			FILM	
				JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER			

0271

2-AUG-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT P 2

AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
FORTVILLE AREA HOGARTH PARTY 5	84-SWY													
		STATICS		PRELIM			FINAL						FILM	
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK													
		STATICS		DATE	PRELIM			FINAL				FILM		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT

2-AUG-85		DELHI PETROLEUM PTY LTD							
TINGA TINGANA PROCESSING STATUS REPORT P 3									
AREA	LINE	JULY		AUGUST		SEPTEMBER		OCTOBER	
CHERRI FLANK RE-PROC	84-TJLR								
		DATA		PRELIM		FINAL		FILM	
		JULY		AUGUST		SEPTEMBER		OCTOBER	

2-AUG-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT P 4

AREA	LINE	JULY	AUGUST	SEPTEMBER	OCTOBER
FORTVILLE MORPHETT PARTY 5	85-XWJ	DA- TA- [][][]	FINAL		FILM
	85-XWK	DA- TA- [][][]	FINAL		FILM
	85-XWL	DA- TA- [][][]	FINAL		FILM
	85-XWM	DA- TA- [][][]	FINAL		FILM
	85-XWN	DA- TA- [][][]	FINAL		FILM
	85-XWP	DA- TA- [][][]	FINAL		FILM
	85-XZY	DA- TA- [][][]	FINAL		FILM
PAXTON MORPHETT PARTY 5	85-YET	DA- TA- [][][]	FINAL		FILM
	85-YEW	DA- TA- [][][]	FINAL		FILM
	85-YEX	DA- TA- [][][]	FINAL		FILM
	85-YEY	DA- TA- [][][]	FINAL		FILM
	85-YEZ	DA- TA- [][][]	FINAL		FILM
	85-YFA	DA- TA- [][][]	FINAL		FILM
	85-YFB	DA- TA- [][][]	FINAL		FILM
	85-YFC	DA- TA- [][][]	FINAL		FILM
		JULY	AUGUST	SEPTEMBER	OCTOBER

0274

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

Interpretation of Towanda and Cherri is complete.

1985 Morphett-TT Seismic Survey

Interpretation of the second-round Paxton Survey will commence in August.

Geophysical Map Issues

Composite Map

Tinga Tingana Block.
Cd, Pd, Zd,
C-Pd, P-Zd

1:100,000

1:250,000

R. Gray 9/83

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

AUGUST 1985

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Interpretation Summary
Geophysical Map Issues

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SAOGC
Hartogen
South Australia Department of Mines & Energy



SA1 Group
Delhi Petroleum Pty Ltd
September 1985
DFL/111/6

Drilling

No wells were spudded or completed during August. The one budgeted well, Paxton 1, is planned for late November 1985.

Seismic Acquisition

249 km of 48-fold seismic data was recorded in the Towanda-Cherri areas during the month to complete the 1985 Morphett-TIN Seismic Survey on 26 August.

Seismic Processing

Processing of the 1985 Morphett-TIN Seismic Survey is underway at the Seiscom Delta Field Processing Unit.

Seismic Interpretation

Interpretation of the 1984 Hogarth-MUR Seismic Survey in the Towanda and Cherri areas is complete and drafted maps will be available in September. Interpretation of the second round Paxton seismic data is in progress and maps are expected in mid-September.

General

The Paxton 1 drilling proposal will be distributed in late September.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	407	407	249	407

TINGA TINGANA BLOCK

DRILLING

Exploration Drilling Expenditure

No wells were spudded or completed during the month.

Paxton 1 planned for late November.

Exploration Drilling Results
(Cumulative to month end)

No wells were spudded or completed during the month.

Well Summary Reports
(For month)

No wells were spudded or completed during the month.

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	1,171,700	1,171,700

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	407	407	249	407	0

Seismic Acquisition Summary

General

249 km of line was recorded in the Towanda-Cherri areas to complete the 1985 Morphett-TIN Seismic Survey. Dozing, drilling, and recording were all completed by 26 August.

Line Clearance

178 km of line was cleared in 10 days to complete the programme. Some restoration work was performed in the Lake Blanche area.

Surveying

198 km were chained and 218 km were surveyed to complete all field work. Computations are still in progress.

Upholes

180 Upholes for 9764 metres were drilled and recorded to complete the weathering survey by 23 August.

Recording

248.55 km of 48-fold Vibroseis were recorded at a daily rate of 11.3 km.

Statics

Static computations for the Towanda-Cherri areas is underway.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1984 Programme

BLOCK: TINGA TINGANA

NOPE: 1343

SURVEY: 1984 Hogarth-TIN

Cherri Flank

84-TJL	200-600	15.000
84-TJM	200-576	14.100
84-TJN	200-592	14.700
84-TJP	200-460	9.750
84-TJQ	200-476	10.350

 63.900

Towanda Grid

84-TJE	200-1232	25.800
84-TJF	320-1184	21.600
84-TJG	200-2023	45.575
84-TJH	200-1100	22.750
84-TJJ	200- 800	15.000

 130.725

Fortville Area

84-SWY	200-1220	Hogarth-T00
	1220-1900	25.500
84-TNT	200-676	17.850
84-TNW	200-518	11.925

 55.275

Cherri-Tilcha Regional

84-TJK	200-1530	50.025
	1530-2164	Hogarth-ARR

 50.025

1984 Hogarth-TIN Total

 299.925

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
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85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

Tataru

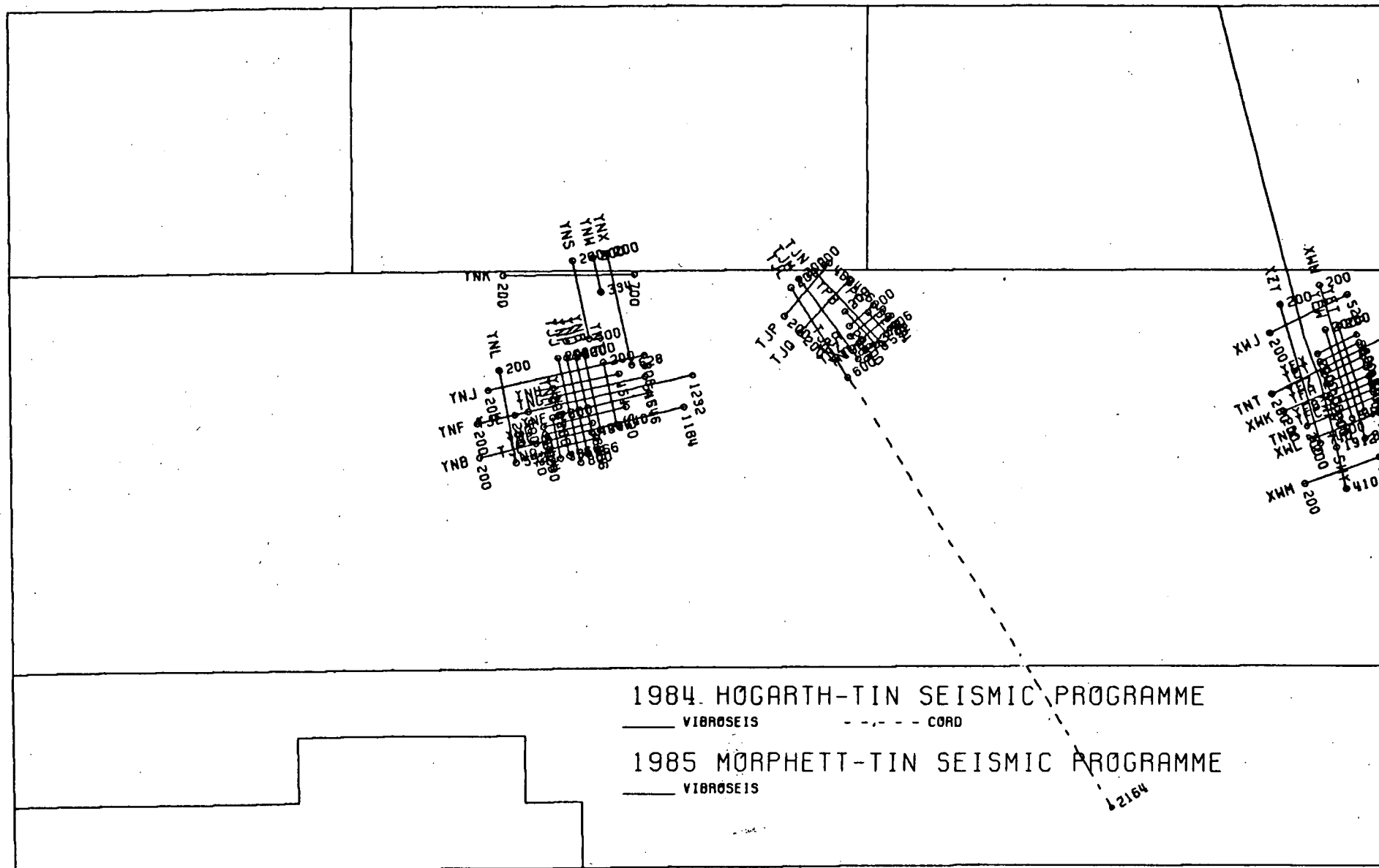
85-YNY	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

Total

406.500

139 00 00E



0253

141 00 00E

SURVEY LINE INDEX

Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

The final stack of Line 84-SWY is being revised to correct a cycle skip near Fortville 1.

Southern Regional

The film was received for this line during July.

1985 Morphett-TIN Seismic Survey

Paxton

Field processing of the first round data was completed in June. A second round uphole programme was sent to the crew and was completed during June. The second round field processing commenced and was completed during July. It is intended to film these field processed sections and no further work will be done on these lines.

Towanda/Tukinya, Takari, Weak Lead No. 3/Regional, Tataru

The tapes for these lines are being held at the F.D.P.U. for possible field processing.

Reprocessing

Lines 82-MCD and 84-TJL are being reprocessed to achieve a good character match between the two sets of data. These lines have been approved at the 130.1 stage. Due to the success of this work further reprocessing of the 1982 data has just begun. Tapes for Lines 82-MCB, MCC, MCF, MCG, MCH have been sent to GSI Adelaide.

3-SEP-65

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT P 1

AREA	LINE	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SAOG CHERRI RE-PROC	82-MCBR			STATICS	BR- UTE	PRELIM	FINAL	FILM
				DATA ?				
.	82-MCCR			STATICS	BR- UTE	PRELIM	FINAL	FILM
				DATA ?				
.	82-MCDR	DATA	STATICS	BR- UTE	PRELIM	FINAL	FILM	
.	82-MCFR			STATICS	BR- UTE	PRELIM	FINAL	FILM
				DATA ?				
.	82-MCGR			STATICS	BR- UTE	PRELIM	FINAL	FILM
				DATA ?				
.	82-MCHR			DATA	BR- UTE	PRELIM	FINAL	FILM
		JUN	JUL	AUG	SEP	OCT	NOV	DEC

0285

3-SEP-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT P 2

AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	STATICS		PRELIM			FINAL							FILM
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	STATICS		BA- UTE	PRELIM			FINAL			FILM			
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT

9-SEP-85		DELHI PETROLEUM PTY LTD			
TINGA TINGANA PROCESSING STATUS REPORT P 3					
AREA	LINE	JULY	AUGUST	SEPTEMBER	OCTOBER
CHERRI FLANK RE-PROC	84-TJLR	DATA		PRELIM	FINAL
		DATA		PRELIM	FINAL
		DATA		PRELIM	FINAL
PAXTON MORPHETT PARTY 5	84-TNTR	DATA		PRELIM	FINAL
		DATA		PRELIM	FINAL
		DATA		PRELIM	FINAL
	84-TNWR	DATA		PRELIM	FINAL
		DATA		PRELIM	FINAL
		DATA		PRELIM	FINAL
		JULY	AUGUST	SEPTEMBER	OCTOBER

TINGA TINGANA BLOCK

SEISMIC INTERPRETATION

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

Interpretation of Towanda and Cherri is complete. Drafting will be completed in September.

1985 Morphett-TT Seismic Survey

Interpretation of the second-round Paxton Survey is in progress. Maps will be available in mid-September.

Geophysical Map Issues

Composite Map

Tinga Tingana Block
Cd, Pd, Zd,
C-Pd, P-Zd

1:100,000
1:250,000

R. Gray 9/83

3-SEP-85		DELHI PETROLEUM PTY LTD			
TINGA TINGANA PROCESSING STATUS REPORT P 4					
AREA	LINE	JULY	AUGUST	SEPTEMBER	OCTOBER
PAXTON MORPHETT 5	85-XWJ	DA- TA- 	FINAL		FILM
.	85-XWK	DA- TA- 	FINAL		FILM
.	85-XWL	DA- TA- 	FINAL		FILM
.	85-XWM	DA- TA- 	FINAL		FILM
.	85-XWN	DA- TA- 	FINAL		FILM
.	85-XWP	DA- TA- 	FINAL		FILM
.	85-XZY	DA- TA- 	FINAL		FILM
.	85-YET	DA- TA- 	FINAL		FILM
.	85-YEW	DA- TA- 	FINAL		FILM
.	85-YEX	DA- TA- 	FINAL		FILM
.	85-YEY	DA- TA- 	FINAL		FILM
.	85-YEZ	DA- TA- 	FINAL		FILM
.	85-YFA	DA- TA- 	FINAL		FILM
.	85-YFB	DA- TA- 	FINAL		FILM
.	85-YFC	DA- TA- 	FINAL		FILM
		JULY	AUGUST	SEPTEMBER	OCTOBER

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

SEPTEMBER 1985

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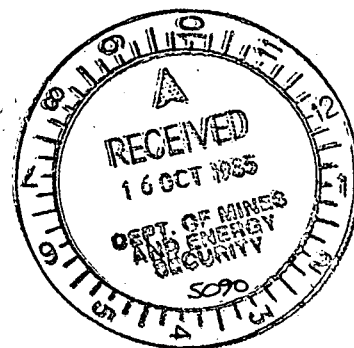
Santos (2)

Vamgas

SAOGC

Hartogen

South Australia Department of Mines & Energy



SA1 Group
Delhi Petroleum Pty Ltd
October 1985
DFL/111/6

Drilling

The one remaining 1985 budgeted well, Paxton 1, is planned for late November 1985.

Seismic Acquisition

Completed in August.

Seismic Processing

Processing of the 1985 Morphet-TIN Seismic Survey is underway at the Seiscom Delta Field Processing Unit. Preliminary stacks are available for most lines. Film approval has been given for Paxton area lines.

Seismic Interpretation

Interpretation of the 1984 Hogarth-MUR Seismic Survey in the Towanda and Cherri areas is complete. Interpretation of the Paxton seismic data is complete and drafted maps will be available in October.

General

The Paxton 1 drilling proposal will be distributed in early October.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	407	407	0	407

TINGA TINGANA BLOCK

DRILLING

Exploration Drilling Expenditure

No wells were spudded or completed during the month.

Paxton 1 planned for late November.

Exploration Drilling Results
(Cumulative to month end)

No wells were spudded or completed during the month.

Well Summary Reports
(For month)

No wells were spudded or completed during the month.

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	1,171,700	1,171,700

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	407	407	0	407	0

Seismic Acquisition Summary

General

Seismic acquisition was completed in August.

Line Clearance

Previously completed.

Surveying

Previously completed.

Upholes

Previously completed.

Recording

Previously completed.

Statics

Previously completed.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1984 Programme

BLOCK: TINGA TINGANA

NOPE: 1343

SURVEY: 1984 Hogarth-TIN

Cherri Flank

84-TJL	200-600	15.000
84-TJM	200-576	14.100
84-TJN	200-592	14.700
84-TJP	200-460	9.750
84-TJQ	200-476	10.350

63.900

Towanda Grid

84-TJE	200-1232	25.800
84-TJF	320-1184	21.600
84-TJG	200-2023	45.575
84-TJH	200-1100	22.750
84-TJJ	200- 800	15.000

130.725

Fortville Area

84-SWY	200-1220	Hogarth-T00
	1220-1900	25.500
84-TNT	200-676	17.850
84-TNW	200-518	11.925

55.275

Cherri-Tilcha Regional

84-TJK	200-1530	50.025
	1530-2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
85-YNN	200 - 354	5.775
85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

Tataru

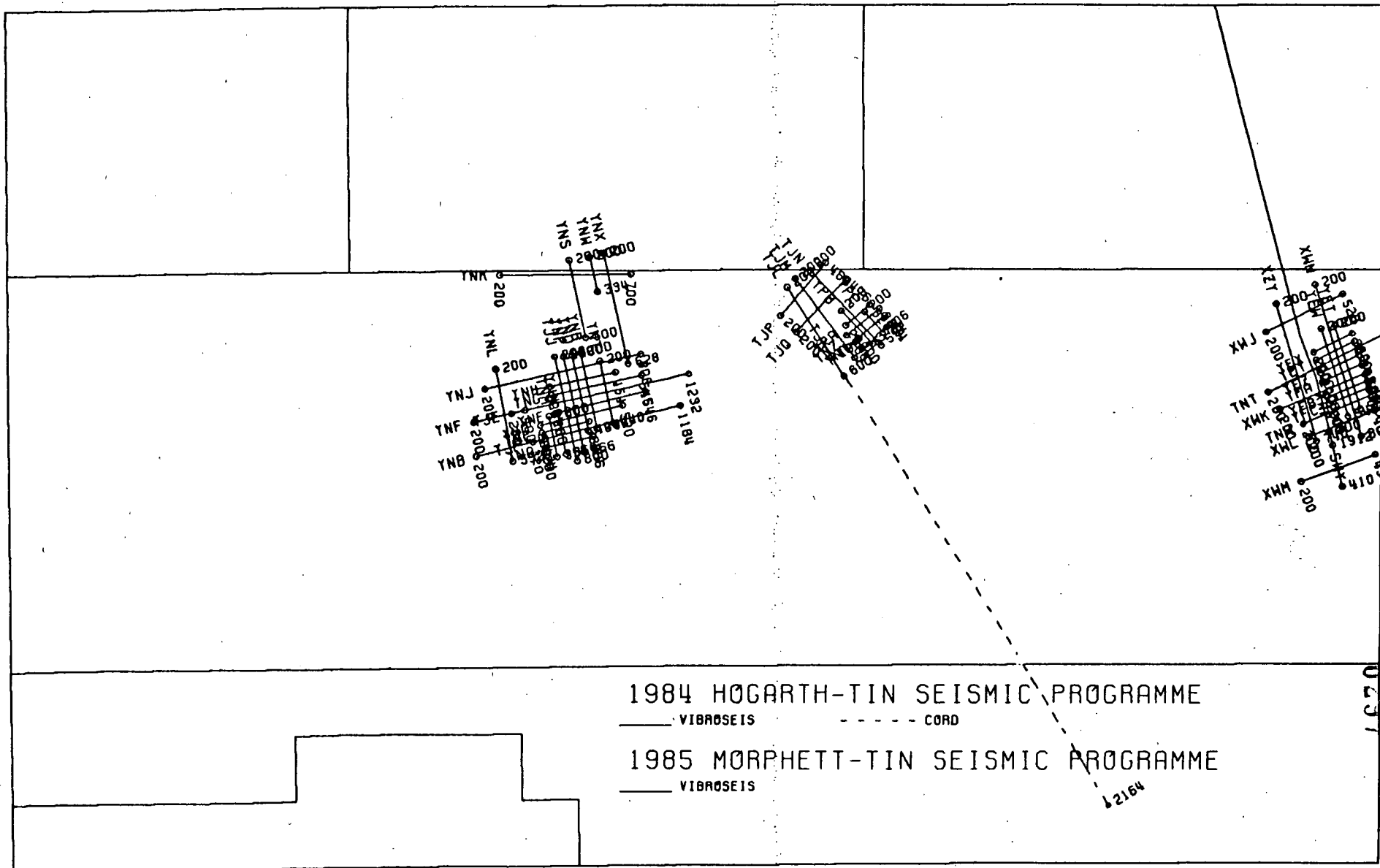
85-YNV	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

Total

406.500

139 00 00E



SURVEY LINE INDEX

141 00 00E

Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

The final stack of Line 84-SWY has been approved for filming.

Southern Regional

The film has been distributed.

1985 Morphett-TIN Seismic Survey

Paxton

Field processing of the first round data was completed in June, second round uphole programme was sent to the crew and was completed during June. The second round field processing commenced and was completed during July. This data has been approved for filming.

Towanda/Tukinya, Takari, Weak Lead No. 3/Regional, Tataru

Field processing of these lines has proceeded and preliminary stacks for all lines except the Tatura area have been approved to proceed to final.

Reprocessing

Lines 82-MCD and 84-TJL are being reprocessed to achieve a good character between the two sets of data. These lines have been approved at the 130.1 stage. Due to the success of this work further reprocessing of the 1982 data has now reached preliminary stack stage.

3-OCT-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT P 1

AREA	LINE	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SAOG CHERRI RE-PROC	82-MCBB			STATICS	BR-UTE	PRELIM	FINAL	FILM
	82-MCCR			STATICS	BR-UTE	PRELIM	FINAL	FILM
	82-MCDR			STATICS	BR-UTE	PRELIM	FINAL	FILM
	82-MCFR			STATICS	BR-UTE	PRELIM	FINAL	FILM
	82-MCGR			STATICS	BR-UTE	PRELIM	FINAL	FILM
	82-MCHR			STATICS	BR-UTE	PRELIM	FINAL	FILM

0303

3-OCT-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT P 2

AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
FORTVILLE AREA HOGARTH PARTY 5	84-SWY	STATICS		PRELIM				FINAL						
CHERRI-TILCHA REGIONAL HOGARTH PARTY 7	84-TJK	STATICS		BR- UTE	PRELIM				FINAL			FILM	DIST	
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT

3-OCT-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT P 3

AREA	LINE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
CHERRI FLANK RE-PROC	84-TJLR	DATA	PRELIM	FINAL		FILM	
PAXTON RE-PROC	84-TNTR	QA- TA		FINAL			
	84-TNWR	QA- TA		FINAL			FILM
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER

3-OCT-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT P 4

AREA	LINE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
PAXTON MORPHETT PARTY 5	85-XWJ	DA- TA	FINAL				FILM
	85-XWK	DA- TA	FINAL				FILM
	85-XWL	DA- TA	FINAL				FILM
	85-XWM	DA- TA	FINAL				FILM
	85-XWN	DA- TA	FINAL				FILM
	85-XWP	DA- TA	FINAL				FILM
	85-XZY	DA- TA	FINAL				FILM
	85-YET	DA- TA	FINAL				FILM
	85-YEW	DA- TA	FINAL				FILM
	85-YEX	DA- TA	FINAL				FILM
	85-YEY	DA- TA	FINAL				FILM
	85-YEZ	DA- TA	FINAL				FILM
	85-YFA	DA- TA	FINAL				FILM
	85-YFB	DA- TA	FINAL				FILM
	85-YFC	DA- TA	FINAL				FILM
			FINAL				FILM
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER

AREA		TINGA TINGANA PROCESSING STATUS REPORT P 5				
LINE		SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNA	DATA	BRUTE	FINAL		FILM
WEAK LEAD NO 3 REGIONAL MORPHEIT PARTY 5	85-YNB	DATA	BRUTE	FINAL		FILM
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNC	DATA	BRUTE	FINAL		FILM
	85-YND	DATA	BRUTE	FINAL		FILM
	85-YNE	DATA	BRUTE	FINAL		FILM
WEAK LEAD NO 3 REGIONAL MORPHEIT PARTY 5	85-YNF	DATA	BRUTE	FINAL		FILM
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNG	DATA	BRUTE	FINAL		FILM
	85-YNH	DATA	BRUTE	FINAL		FILM
WEAK LEAD NO 3 REGIONAL MORPHEIT PARTY 5	85-YNJ	DATA	BRUTE	FINAL		FILM
TAKARI MORPHEIT PARTY 5	85-YNK	DATA	BRUTE	FINAL		FILM
WEAK LEAD NO 3 REGIONAL MORPHEIT PARTY 5	85-YNL	DATA	BRUTE	FINAL		FILM
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNM	DATA	BRUTE	FINAL		FILM
	85-YNN	DATA	BRUTE	FINAL		FILM
	85-YNP	DATA	BRUTE	FINAL		FILM
	85-YNQ	DATA	BRUTE	FINAL		FILM
	85-YNR	DATA	BRUTE	FINAL		FILM
TAKARI MORPHEIT PARTY 5	85-YNS	DATA	BRUTE	FINAL		FILM
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNT	DATA	BRUTE	FINAL		FILM
TAKARI MORPHEIT PARTY 5	85-YNW	DATA	BRUTE	FINAL		FILM
	85-YNX	DATA	BRUTE	FINAL		FILM
TATARI MORPHEIT PARTY 5	85-YNZ	DATA	BRUTE	FINAL		FILM
	85-YPA	DATA	BRUTE	FINAL		FILM
	85-YPB	DATA	BRUTE	FINAL		FILM
	85-YPC	DATA	BRUTE	FINAL		FILM
		SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

Interpretation of Towanda and Cherri is complete. Drafting will be completed in October.

1985 Morphett-TT Seismic Survey

Interpretation of the Paxton area is complete. Maps will be available in mid-October.

Send to SAOME?

Geophysical Map Issues

Composite Map

Tinga Tingana Block
Cd, Pd, Zd,
C-Pd, P-Zd

1:100,000
1:250,000

R. Gray 9/83

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

OCTOBER 1985

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Interpretation Summary
Geophysical Map Issues

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Santos (2)

Vamgas

SAOGC

Hartogen

South Australia Department of Mines & Energy



SA1 Group
 Delhi Petroleum Pty Ltd
 November 1985
 DFL/1111/6

Drilling

The one remaining 1985 budgeted well, Paxton 1, is planned for late November 1985.

Seismic Acquisition

Completed in August.

Seismic Processing

All 1985 Morphet-TIN Seismic Survey lines have been given film approval.

Seismic Interpretation

Interpretation of the 1984 Hogarth-MUR Seismic Survey in the Towanda and Cherri areas is complete, and maps are currently being drafted.

General

The Paxton 1 drilling proposal has been distributed and approved by Associates. A review of all prospects and leads in the Block is underway and will be completed by the end of December.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	0	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	407	407	0	407

TINGA TINGANA BLOCKDRILLING

Exploration Drilling Expenditure

No wells were spudded or completed during the month.

Paxton 1 planned for late November.

Exploration Drilling Results
(Cumulative to month end)

No wells were spudded or completed during the month.

Well Summary Reports
(For month)

No wells were spudded or completed during the month.

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	1,171,700	1,171,700

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	407	407	0	407	0

Seismic Acquisition Summary

General

Seismic acquisition was completed in August.

Line Clearance

Previously completed.

Surveying

Previously completed.

Upholes

Previously completed.

Recording

Previously completed.

Statics

Previously completed.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1984 Programme

BLOCK: TINGA TINGANA

NOPE: 1343

SURVEY: 1984 Hogarth-TIN

Cherri Flank

84-TJL	200-600	15.000
84-TJM	200-576	14.100
84-TJN	200-592	14.700
84-TJP	200-460	9.750
84-TJQ	200-476	10.350

63.900

Towanda Grid

84-TJE	200-1232	25.800
84-TJF	320-1184	21.600
84-TJG	200-2023	45.575
84-TJH	200-1100	22.750
84-TJJ	200- 800	15.000

130.725

Fortville Area

84-SWY	200-1220	Hogarth-T00
	1220-1900	25.500
84-TNT	200-676	17.850
84-TNW	200-518	11.925

55.275

Cherri-Tilcha Regional

84-TJK	200-1530	50.025
	1530-2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
85-YNN	200 - 354	5.775
85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

Tataru

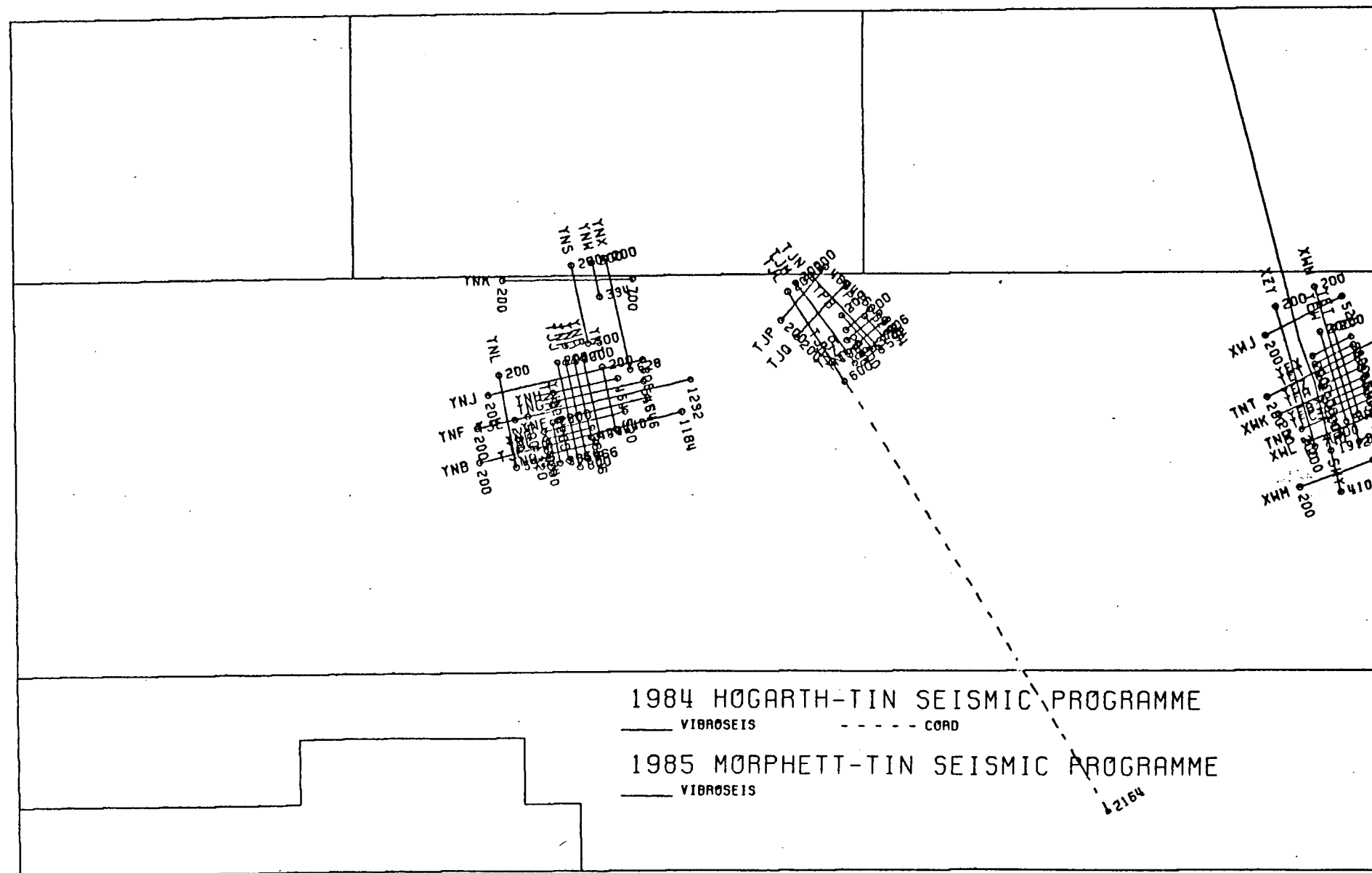
85-YNY	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

Total

406.500

28 40 00S



0312

1984 HOGARTH-TIN SEISMIC PROGRAMME

— VIBROSEIS - - - - - CORD

1985 MORPHETT-TIN SEISMIC PROGRAMME

— VIBROSEIS

12164

29 45 00S

139 00 00E

SURVEY LINE INDEX

141 00 00E

Processing Summary

Base

1984 Hogarth-TIN Seismic Survey

The final stack of Line 84-SWY has been approved for filming.

1985 Morphett-TIN Seismic Survey

Paxton

Field processing of the first round data was completed in June, second round uphole programme was sent to the crew and was completed during June. The second round field processing commenced and was completed during July. This data has been approved for filming.

Towanda/Tukinya, Takari, Weak Lead No. 3/Regional, Tataru

Final stacks for all lines are now available from the field processing unit and filming of these sections will be requested from Seiscom Delta United in Melbourne.

Reprocessing

Lines 82-MCD and 84-TJL are being reprocessed to achieve a good character between the two sets of data. These lines have been approved at the 130.1 stage. Due to the success of this work further reprocessing of the 1982 data has been undertaken and Lines 82-MCB, MCC, MCF, MCG, and MCH have reached final stack and film approval stage.

31-OCT-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT PART 1

AREA	LINE	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SAOG CHERRI RE-PROC	82-MCBR			STATICS	BR- UTE	PRELIM	FINAL	FILM
	82-MCCR			DATA ↑	STATICS	BR- UTE	PRELIM	FINAL
	82-MCCR			DATA ↑	STATICS	BR- UTE	PRELIM	FINAL
	82-MCCR			DATA	STATICS	BR- UTE	PRELIM	FINAL
	82-MCFR			DATA	STATICS	BR- UTE	PRELIM	FINAL
	82-MCGR			DATA	STATICS	BR- UTE	PRELIM	FINAL
	82-MCHR			DATA	STATICS	BR- UTE	PRELIM	FINAL
		JUN	JUL	AUG	SEP	OCT	NOV	DEC

0314

31-OCT-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT PART 2

AREA	LINE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
FORTVILLE AREA HOGARTH PARTY 5	84-SWY															
		STATICS			PRELIM			FINAL						FILM		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC

31-OCT-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT PART 3

AREA	LINE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
CHERRI FLANK RE-PROC	84-TJLR	DATA	PRELIM	FINAL			FILM
PAXTON RE-PROC	84-TNTR	DATA		FINAL			FILM
	84-TNWR	DATA		FINAL			FILM
		JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER

0316

31-OCT-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT PART 4

AREA	LINE	JUL	AUG	SEP	OCT	NOV	DEC
PAXTON MORPHETT PARTY 5	85-XWJ	DA- TA		FINAL			FILM
.	85-XWK	DA- TA		FINAL			FILM
.	85-XWL	DA- TA		FINAL			FILM
.	85-XWM	DA- TA		FINAL			FILM
.	85-XWN	DA- TA		FINAL			FILM
.	85-XWP	DA- TA		FINAL			FILM
.	85-XZY	DA- TA		FINAL			FILM
.	85-YET	DA- TA		FINAL			FILM
.	85-YEW	DA- TA		FINAL			FILM
.	85-YEX	DA- TA		FINAL			FILM
.	85-YEY	DA- TA		FINAL			FILM
.	85-YEZ	DA- TA		FINAL			FILM
.	85-YFA	DA- TA		FINAL			FILM
.	85-YFB	DA- TA		FINAL			FILM
.	85-YFC	DA- TA		FINAL			FILM
		JUL	AUG	SEP	OCT	NOV	DEC

0317

31-OCT-85

DELHI PETROLEUM PTY LTD

TINGA TINGANA PROCESSING STATUS REPORT PART 5

AREA	LINE	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNA	DATA	BRUTE	FINAL		FILM
WEAK LEAD NO 3 REGIONAL MORPHEIT PARTY 5	85-YNB	DATA	BRUTE	FINAL		FILM
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNC	DATA	BRUTE	FINAL		FILM
.	85-YND	DATA	BRUTE	FINAL		FILM
.	85-YNE	DATA	BRUTE	FINAL		FILM
WEAK LEAD NO 3 REGIONAL MORPHEIT PARTY 5	85-YNF	DATA	BRUTE	FINAL		FILM
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNG	DATA	BRUTE	FINAL		FILM
.	85-YNH	DATA	BRUTE	FINAL		FILM
WEAK LEAD NO 3 REGIONAL MORPHEIT PARTY 5	85-YNJ	DATA	BRUTE	FINAL		FILM
TAKARI MORPHEIT PARTY 5	85-YNK	DATA	BRUTE	FINAL		FILM
WEAK LEAD NO 3 REGIONAL MORPHEIT PARTY 5	85-YNL	DATA	BRUTE	FINAL		FILM
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNM	DATA	BRUTE	FINAL		FILM
.	85-YNN	DATA	BRUTE	FINAL		FILM
.	85-YNP	DATA	BRUTE	FINAL		FILM
.	85-YNQ	DATA	BRUTE	FINAL		FILM
.	85-YNR	DATA	BRUTE	FINAL		FILM
TAKARI MORPHEIT PARTY 5	85-YNS	DATA	BRUTE	FINAL		FILM
TOWANDA-TUKINYA MORPHEIT PARTY 5	85-YNT	DATA	BRUTE	FINAL		FILM
TAKARI MORPHEIT PARTY 5	85-YNW	DATA	BRUTE	FINAL		FILM
.	85-YNX	DATA	BRUTE	FINAL		FILM
TATARU MORPHEIT PARTY 5	85-YNY	DATA	BRUTE	FINAL		FILM
.	85-YNZ	DATA	BRUTE	FINAL		FILM
.	85-YPA	DATA	BRUTE	FINAL		FILM
.	85-YPB	DATA	BRUTE	FINAL		FILM
.	85-YPC	DATA	BRUTE	FINAL		FILM
		SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY

TINGA TINGANA BLOCKSEISMIC INTERPRETATION

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

Interpretation of Towanda and Cherri is complete and drafting is in progress.

1985 Morphett-TT Seismic Survey

Interpretation of the Paxton area is complete and maps have been distributed with the Paxton 1 Drilling Proposal.

Geophysical Map Issues

Composite Map	Tinga Tingana Block Cd, Pd, Zd, C-Pd, P-Zd	1:100,000 1:250,000	R. Gray 9/83
1985 Hogarth-TIN Seismic Survey	Paxton Area Ct, Dnt, Zt	1:25,000	IBG 10/85

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

NOVEMBER 1985

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Seismic Line List
Survey Line Index Map

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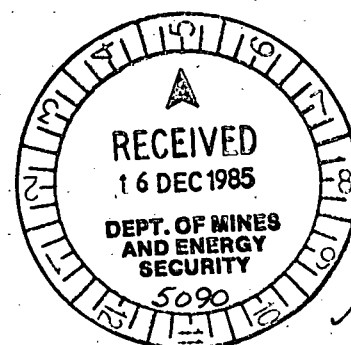
Interpretation Summary
Geophysical Map Issues

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 SAOGC

Hartogen
 South Australia Department of Mines & Energy



SAI Group
 Delhi Petroleum Pty Ltd
 December 1985
 DFL/111/6

Drilling

Paxton 1 was plugged and abandoned after encountering reservoir quality Namur sands but no shows.

Seismic Acquisition

Completed in August.

Seismic Processing

The majority of the 1985 Morphet-TIN Seismic Survey lines have been given film approval.

Seismic Interpretation

Interpretation of the 1984 Hogarth-MUR Seismic Survey in the Towanda and Cherri areas is complete, and maps have been drafted.

General

The failure of Paxton 1 has downgraded the prospectivity of the eastern region of the block. A review of all prospects and leads in the Block including H.I.P. estimation and risk analysis, is underway and will be completed by the end of December.

A revised format for processing status is included in this report.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	1	1	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	407	407	0	407

TINGA TINGANA BLOCK

DRILLING

Exploration Drilling Expenditure

Well	Status	Budget \$	NOPE	NOPE \$	Forecast \$
Paxton 1	Ex	581,060	1991	523,000	523,000

Exploration Drilling Results
(Cumulative to month end)

Well	Status	TD ft	Spud	Released	Comments
Paxton 1	Ex	3580	20.11	27.11	P & A. Reservoir quality Namur sands. No shows. No tests, water-saturated on logs. Prognosis average 55 ft flow.

Well Summary Reports
(For month)

Paxton 1

PAXTON 1 WELL SUMMARY

Latitude: 29° 06' 57.4" South
Longitude: 140° 56' 13.1" East
Elevation: Ground Level: 382'
 Kelly Bushing: 398'
Total Depth: 3579'(L) 3580'(D)
Status: Plugged and abandoned.
Interest Holders:

SANTOS Limited	45%
Delhi Petroleum Pty Ltd	27%
Vamgas Ltd	14%
South Australian Oil and Gas Corporation Ltd	9%
Hartogen	5%

Participating Interests:

SANTOS Limited	45%
Delhi Petroleum Pty Ltd	27%
Vamgas Ltd	14%
South Australian Oil and Gas Corporation Ltd	9%
Hartogen	5%

Well Summary:
 (All depths KB driller)

Paxton 1 was spudded at 1430 hours on 20th November, 1985 by OD&E Rig 6 (a National 55). 12 1/4" surface hole was drilled with surveys to 600'. Surface casing, consisting of 15 joints, 9 5/8", 36# LT&C casing was cemented to surface, with the shoe set at 592'.

The conductor was cut, BOP's installed and tested as per programme and 8 1/2" main hole was drilled to 2834' where the bit and BHA were changed.

8 1/2" hole was then drilled to 3580' (TD) with surveys. After a wiper trip to surface casing shoe the following logs were run by Schlumberger:

GR-DLL-SDT-SP-MSFL. Another wiper trip was required prior to running LDL-CNL and Velocity Survey (conducted by Velocity Data). A further wiper trip was completed, after waiting on repairs to the compound bearings, prior to shooting the sidewall cores.

Four plugs (3000'-2850', 2650'-2500', 625'-575' and 10 sacks surface plug) were run before the well was abandoned at 1400 hours on 27th November, 1985 for a total rig time of 6 days 23 1/2 hours.

Paxton 1 Well Summary

Formation Tops (SLS-GR):	Surficial and Winton	16'
	Mackunda	1247'
	Oodnadattta	1501'
	Coorikiana Sandstone	2201'
	Bulldog Shale	2217'
	Cadna-owie	2580'
	Murta Member	2805'
	Namur Sandstone Member	2968'
	Willyama Phyllite	3496'

Geophysical Control: 'C' Horizon 2201' (51' low)
 'Z' Horizon 3496' (75' low)

Coring: No cores cut.

Testing: No tests conducted.

Logging: At TD by Schlumberger

Suite No. 1

1. GR-SP-DLL-SDT-MSFL
2. LDL-CNL
3. Sidewall cores (1 gun)
4. Velocity Survey
(Velocity Data Pty Ltd)

Completion: Plugged and abandoned on 27th November 1985.

<u>Plug No.</u>	<u>Interval</u>
1	3000'-2850'
2	2650'-2500'
3	625'- 575'
4	10 sx surface plug.

Summary:

Paxton 1 located 150 km SE of Moomba and approximately 14 km SW of Camerons Corner, in the Tinga Tingana block of PEL's 5 & 6 South Australia, was drilled as a Jurassic/Cretaceous wildcat oil well. The Paxton structure is a domal anticline slightly elongate NW-SE with similar trending basement faults to the East and West.

The primary objective of the well was the Namur Sandstone Member of the Mooga Formation, with the secondary objective being the Murta Member of the Mooga Formation.

Paxton 1 Well Summary

Total depth was reached 83' into the Proterozoic Phyllites of the Willyana Group.

Log interpretation indicated all reservoirs to be water saturated. Geophysical prognosis was generally fair ('C' 51' low to prognosis, 'Z' 75' low to prognosis).

The well was plugged and abandoned at 1400 hours on the 27th November, 1985.

TINGA TINGANA BLOCKSEISMIC ACQUISITIONSeismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	1,171,700	1,171,700

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	407	407	0	407	0

Seismic Acquisition Summary

General

Seismic acquisition was completed in August.

Line Clearance

Previously completed.

Surveying

Previously completed.

Upholes

Previously completed.

Recording

Previously completed.

Statics

Previously completed.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1984 Programme

BLOCK: TINGA TINGANA

NOPE: 1343

SURVEY: 1984 Hogarth-TIN

Cherri Flank

84-TJL	200-600	15.000
84-TJM	200-576	14.100
84-TJN	200-592	14.700
84-TJP	200-460	9.750
84-TJQ	200-476	10.350

 63.900

Towanda Grid

84-TJE	200-1232	25.800
84-TJF	320-1184	21.600
84-TJG	200-2023	45.575
84-TJH	200-1100	22.750
84-TJJ	200- 800	15.000

 130.725

Fortville Area

84-SWY	200-1220	Hogarth-T00
	1220-1900	25.500
84-TNT	200-676	17.850
84-TNW	200-518	11.925

 55.275

Cherri-Tilcha Regional

84-TJK	200-1530	50.025
	1530-2164	Hogarth-ARR

 50.025

1984 Hogarth-TIN Total

 299.925

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
85-YNN	200 - 354	5.775
85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

Tataru

85-YNY	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

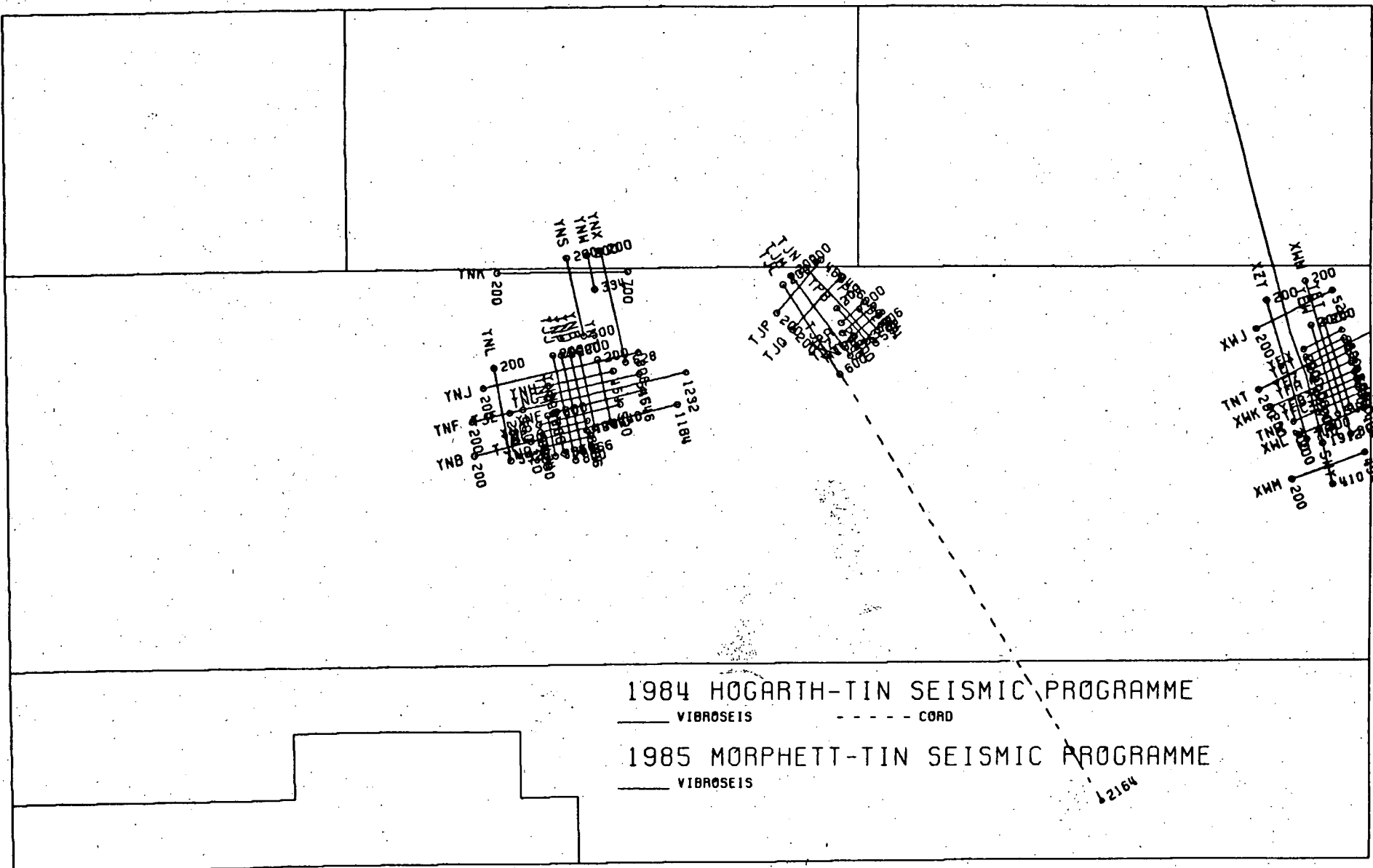
Total

406.500

28 40 00S

29 45 00S

139 00 00E



SURVEY LINE INDEX

0330

141 00 00E

0331

PROCESSING STATUS REPORT

TINGA TINGANA

PAGE 1

LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
82-MCBB	TIN-SAOG	CHE	GS13	GS1	NF	100-362	37.5	9.8250*12		040582	310785	030885	110985	180985*	301085	121185			
82-MCCR	TIN-SAOG	CHE	GS13	GS1	NF	100-530	37.5	16.1250*12		260582	310785	030885	110985	180985*	171085				
82-MCDR	TIN-SAOG	CHE	GS13	GS1	NF	102-726	37.5	23.4000*12		120582	120685	260685	100785	180785*	130885	270985			
82-MCGR	TIN-SAOG	CHE	GS13	GS1	NF	560-823	37.5	9.8625*12		140582	310785	030885	110985	180985*	171085	241085			
82-MCHR	TIN-SAOG	CHE	GS13	GS1	NF	480-885	37.5	15.1875*12		190582	310785	030885	170985	190985*	171085	241085			
82-MCHR	TIN-SAOG	CHE	GS13	GS1	NF	315-956	37.5	24.0375*12		090582	070885	030885	110985	180985*	171085	241085			
84-SWY1	TIN-FORTVILL	SDU	DIG	GF	NF	1219-1901	37.5	25.5750*12		140784	091084	151084	141284	201284*	200385	040985			
84-TJLR	TIN-CHERRI	F	SDU	GS1	NF	200-600	37.5	15.0000*24		090884	010785	010785	160785	180785*	060885	270985			
84-TNTR	TIN-PAXTON	SDU	F.P	PF	NF	200-676	37.5	17.8500*12		180784	020785	070785	090785	110785*	140785	130985			
84-TNWR	TIN-PAXTON	SDU	F.P	PF	NF	200-519	37.5	11.9625*12		170784	020785	070785	090785	110785*	140785	130985			
85-XWJ	TIN-PAXTON	SDU	F.P	PF	NF	200-520	37.5	12.0000	48	120585	020785	070785	090785	110785*	140785	130985			
85-XWK	TIN-PAXTON	SDU	F.P	PF	NF	199-546	37.5	13.8800	48	180585	020785	070785	090785	110785*	140785	130985			
85-XWL	TIN-PAXTON	SDU	F.P	PF	NF	200-464	37.5	09.9000	48	150585	020785	070785	090785	110785*	140785	130985			
85-XWM	TIN-PAXTON	SDU	F.P	PF	NF	200-494	37.5	11.0300	48	170585	020785	070785	090785	110785*	140785	130985	201185		
85-XWN	TIN-PAXTON	SDU	F.P	PF	NF	200-800	37.5	22.5000	48	140585	020785	070785	090785	110785*	140785	130985			
85-XWP	TIN-PAXTON	SDU	F.P	PF	NF	200-410	37.5	07.8750	48	160585	020785	070785	090785	110785*	140785	130985			
85-XZY	TIN-PAXTON	SDU	F.P	PF	NF	200-740	37.5	20.2550	48	200585	020785	070785	090785	110785*	140785	130985			
85-YET	TIN-PAXTON	SDU	F.P	PF	NF	200-532	37.5	12.4500	48	030785	020785	070785	090785	110785*	140785	130985			
85-YEW	TIN-PAXTON	SDU	F.P	PF	NF	200-546	37.5	12.9750	48	040785	020785	070785	090785	110785*	140785	130985			
85-YEX	TIN-PAXTON	SDU	F.P	PF	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEY	TIN-PAXTON	SDU	F.P	PF	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEZ	TIN-PAXTON	SDU	F.P	PF	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	201185		
85-YFA	TIN-PAXTON	SDU	F.P	PF	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	181185		
85-YFB	TIN-PAXTON	SDU	F.P	PF	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
85-YFC	TIN-PAXTON	SDU	F.P	PF	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
85-YNA	TIN-TOWANDA	SDU	F.P	PF	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085			
85-YNB	TIN-WEAK	LEA	SDU	F.P	PF	200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085			
85-YNC	TIN-TOWANDA	SDU	F.P	PF	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085			
85-YND	TIN-TOWANDA	SDU	F.P	PF	NF	200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085			
85-YNE	TIN-TOWANDA	SDU	F.P	PF	NF	200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085			
85-YNF	TIN-WEAK	LEA	SDU	F.P	PF	200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185			
85-YNG	TIN-TOWANDA	SDU	F.P	PF	NF	200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*					
85-YNH	TIN-TOWANDA	SDU	F.P	PF	NF	200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*					
85-YNJ	TIN-WEAK	LEA	SDU	F.P	PF	200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085			
85-YNK	TIN-TAKARI	SDU	F.P	PF	NF	200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085			
85-YNL	TIN-WEAK	LEA	SDU	F.P	PF	200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085			
85-YNM	TIN-TOWANDA	SDU	F.P	PF	NF	200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085			
85-YNN	TIN-TOWANDA	SDU	F.P	PF	NF	200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085			
85-YNP	TIN-TOWANDA	SDU	F.P	PF	NF	200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085			
85-YNQ	TIN-TOWANDA	SDU	F.P	PF	NF	200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085			
85-YNR	TIN-TOWANDA	SDU	F.P	PF	NF	200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*					
85-YNS	TIN-TAKARI	SDU	F.P	PF	NF	200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085				
85-YNT	TIN-TOWANDA	SDU	F.P	PF	NF	200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085				
85-YNW	TIN-TAKARI	SDU	F.P	PF	NF	200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085				
85-YNX	TIN-TAKARI	SDU	F.P	PF	NF	200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085			
85-YNY	TIN-TATARU	SDU	F.P	PF	NF	200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085			
85-YNZ	TIN-TATARU	SDU	F.P	PF	NF	200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085			
85-YPA	TIN-TATARU	SDU	F.P	PF	NF	200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085			
85-YPB	TIN-TATARU	SDU	F.P	PF	NF	200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085			
85-YPC	TIN-TATARU	SDU	F.P	PF	NF	200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085			

TOTAL										576.	576.	576.	576.	576.	543.	501.	47.	0.	0.
BACKLOG										0.	0.	0.	0.	0.	34.	75.	529.	576.	
STAGE BACKLOG										0.	0.	0.	0.	0.	34.	41.	454.	47.	

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	SAOG BLK	CHERRI AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG	
82-MCBR	TIN-SAOG	CHE	GSI3	GSI	NF 100-362	37.5	9.8250*12		040582	310785	030885	110985	180985*	301085	121185				
82-MCCR	TIN-SAOG	CHE	GSI3	GSI	NF 100-530	37.5	16.1250*12		260582	310785	030885	110985	180985*	171085					
82-MCDR	TIN-SAOG	CHE	GSI3	GSI	NF 102-726	37.5	23.4000*12		120582	120685	260685	100785	180785*	130885	270985				
82-MCFR	TIN-SAOG	CHE	GSI3	GSI	NF 560-823	37.5	9.8625*12		140582	310785	030885	110985	180985*	171085	241085				
82-MCGR	TIN-SAOG	CHE	GSI3	GSI	NF 480-885	37.5	15.1875*12		190582	310785	030885	170985	190985*	171085	241085				
82-MCHR	TIN-SAOG	CHE	GSI3	GSI	NF 315-956	37.5	24.0375*12		090582	070885	030885	110985	180985*	171085	241085				
TOTAL										98.	98.	98.	98.	98.	98.	82.	0.	0.	0.
BACKLOG													0.	0.	0.	0.	16.	98.	98.
STAGE BACKLOG													0.	0.	0.	0.	16.	82.	0.

Film approval has been given on all lines except 82-MCC which is being investigated for poor stack response over a limited VP range.

TIN- LINE	PORTVILLE BLK	AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG	
84-SWY1	TIN-PORTVILL	SDU	DIG	NF	1219-1901	37.5	25.5750*12		140784	091084	151084	141284	201284*	200385	040985				
TOTAL										26.	26.	26.	26.	26.	26.	26.	0.	0.	0.
BACKLOG													0.	0.	0.	0.	26.	26.	
STAGE BACKLOG													0.	0.	0.	0.	26.	0.	

The film for this line is expected in December.

TIN- LINE	CHERRI BLK	FLANK AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG	
84-TJLR	TIN-CHERRI	F	SDU	GSI	NF 200-600	37.5	15.0000*24		090884	010785	010785	160785	180785*	060885	270985				
TOTAL										15.	15.	15.	15.	15.	15.	15.	0.	0.	0.
BACKLOG													0.	0.	0.	0.	15.	15.	
STAGE BACKLOG													0.	0.	0.	0.	15.	0.	

The film for this line will become available in December.

TIN- LINE	PAXTON BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-TNTR	TIN-PAXTON	SDU	F.P	NF	200-676	37.5	17.8500	*12	180784	020785	070785	090785	110785*	140785	130985			
84-TNWR	TIN-PAXTON	SDU	F.P	NF	200-519	37.5	11.9625	*12	170784	020785	070785	090785	110785*	140785	130985			
85-XWJ	TIN-PAXTON	SDU	F.P	NF	200-520	37.5	12.0000	48	120585	020785	070785	090785	110785*	140785	130985			
85-XWK	TIN-PAXTON	SDU	F.P	NF	199-546	37.5	13.8800	48	180585	020785	070785	090785	110785*	140785	130985			
85-XWL	TIN-PAXTON	SDU	F.P	NF	200-464	37.5	09.9000	48	150585	020785	070785	090785	110785*	140785	130985			
85-XWM	TIN-PAXTON	SDU	F.P	NF	200-494	37.5	11.0300	48	170585	020785	070785	090785	110785*	140785	130985	201185		
85-XWN	TIN-PAXTON	SDU	F.P	NF	200-800	37.5	22.5000	48	140585	020785	070785	090785	110785*	140785	130985			
85-XWP	TIN-PAXTON	SDU	F.P	NF	200-410	37.5	07.8750	48	160585	020785	070785	090785	110785*	140785	130985			
85-XZY	TIN-PAXTON	SDU	F.P	NF	200-740	37.5	20.2550	48	200585	020785	070785	090785	110785*	140785	130985			
85-YET	TIN-PAXTON	SDU	F.P	NF	200-532	37.5	12.4500	48	030785	020785	070785	090785	110785*	140785	130985			
85-YEW	TIN-PAXTON	SDU	F.P	NF	200-546	37.5	12.9750	48	040785	020785	070785	090785	110785*	140785	130985			
85-YEX	TIN-PAXTON	SDU	F.P	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEY	TIN-PAXTON	SDU	F.P	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEZ	TIN-PAXTON	SDU	F.P	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	201185		
85-YFA	TIN-PAXTON	SDU	F.P	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	181185		
85-YFB	TIN-PAXTON	SDU	F.P	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
85-YFC	TIN-PAXTON	SDU	F.P	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
TOTAL										189.	189.	189.	189.	189.	189.	47.	0.	0.
BACKLOG												0.	0.	0.	0.	142.	189.	
STAGE BACKLOG												0.	0.	0.	0.	142.	47.	

The films for this area are beginning to arrive from Seiscom Delta United in Melbourne.

TIN- LINE	TOWANDA-TUKINYA BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNA	TIN-TOWANDA-	SDU	F.P	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085			
85-YNC	TIN-TOWANDA-	SDU	F.P	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085			
85-YND	TIN-TOWANDA-	SDU	F.P	NF	200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085			
85-YNE	TIN-TOWANDA-	SDU	F.P	NF	200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085			
85-YNG	TIN-TOWANDA-	SDU	F.P	NF	200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*					
85-YNH	TIN-TOWANDA-	SDU	F.P	NF	200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*					
85-YNM	TIN-TOWANDA-	SDU	F.P	NF	200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085			
85-YNN	TIN-TOWANDA-	SDU	F.P	NF	200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085			
85-YNP	TIN-TOWANDA-	SDU	F.P	NF	200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085			
85-YNQ	TIN-TOWANDA-	SDU	F.P	NF	200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085			
85-YNR	TIN-TOWANDA-	SDU	F.P	NF	200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*					
85-YNT	TIN-TOWANDA-	SDU	F.P	NF	200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085				
TOTAL										118.	118.	118.	118.	118.	84.	75.	0.	0.
BACKLOG												0.	0.	0.	34.	43.	118.	118.
STAGE BACKLOG												0.	0.	0.	34.	9.	75.	0.

The field processing unit is having some difficulty finishing the last of these lines off. 85-YNH has an apparent time delay problem with the records that were correlated by GSI Adelaide.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	WEAK BLK	LEAD AREA	NO CREW	3 PC	REGIONAL QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNB	TIN-WEAK	LEA	SDU	F.P	NF	200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085			
85-YNF	TIN-WEAK	LEA	SDU	F.P	NF	200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185			
85-YNJ	TIN-WEAK	LEA	SDU	F.P	NF	200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085			
85-YNL	TIN-WEAK	LEA	SDU	F.P	NF	200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085			
TOTAL										54.	54.	54.	54.	54.	54.	54.	0.	0.	0.
BACKLOG												0.	0.	0.	0.	0.	54.	54.	
STAGE BACKLOG												0.	0.	0.	0.	0.	54.	54.	

Filming is held pending completion of the Towanda lines.

TIN- LINE	TAKARI BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNK	TIN-TAKARI		SDU	F.P	NF	200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085			
85-YNS	TIN-TAKARI		SDU	F.P	NF	200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085				
85-YNW	TIN-TAKARI		SDU	F.P	NF	200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085				
85-YNX	TIN-TAKARI		SDU	F.P	NF	200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085			
TOTAL										51.	51.	51.	51.	51.	51.	35.	0.	0.	0.
BACKLOG												0.	0.	0.	0.	16.	51.	51.	
STAGE BACKLOG												0.	0.	0.	0.	16.	35.	0.	

Filming is held pending completion of the Towanda lines.

TIN- LINE	TATARU BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNV	TIN-TATARU		SDU	F.P	NF	200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085			
85-YNZ	TIN-TATARU		SDU	F.P	NF	200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085			
85-YPA	TIN-TATARU		SDU	F.P	NF	200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085			
85-YPB	TIN-TATARU		SDU	F.P	NF	200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085			
85-YPC	TIN-TATARU		SDU	F.P	NF	200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085			
TOTAL										26.	26.	26.	26.	26.	26.	26.	0.	0.	0.
BACKLOG												0.	0.	0.	0.	0.	26.	26.	
STAGE BACKLOG												0.	0.	0.	0.	0.	26.	0.	

Filming is held pending completion of the Towanda lines.

BLK : BLOCK CODE

CREW : AQUISITION CONTRACTOR
 SSL = SEISMOGRAPH SERVICE LTD
 NOR = GRANT-NORPAC
 WGC = WESTERN GEOPHYSICAL
 RAY = PETTY-RAY GEOSOURCE
 SDU = SEISCOM DELTA UNITED
 GSI = GEOPHYSICAL SERVICE INTERNATIONAL

PC : PROCESSING CONTRACTOR
 HOS = HOSKING GEOPHYSICAL
 F.P = SEISCOM DELTA UNITED FIELD PROCESSING UNIT

QC : PROCESSING GEOPHYSICIST DELHI
 MW = MIKE WILLIAMS
 NF = NICK FITZGERALD
 PG = PHILLIP GATLEY
 JS = JIM SMALL
 AW = ALEX WILSON
 MC = MICHAEL COUSINS
 PB = PETER BEAHAN

STATIONS : SOURCE STATION RANGE

GI : RECEIVER GROUP INTERVAL

KMS : LINE KILOMETRES

FOLD : MULTIPLICITY OF CDP COVERAGE

ACQ : ACQUISITION END DATE

DPROC : TAPES SENT TO PROCESSING CONTRACTOR
 SPROC : STATICS SENT TO PROCESSING CONTRACTOR
 BRUTE : BRUTE STACK RECEIVED
 PRELIM : PRELIMINARY STACK RECEIVED (AN * INDICATES PRELIMINARY STACK APPROVED)
 FINAL : QC FINAL STACK RECEIVED
 FLMAFP : FINAL STACK APPROVED FOR FILMING
 FILMR : FINAL FILM RECEIVED
 DIST : FINAL FILM DISTRIBUTED TO BLOCK PARTNERS
 MIG : DATE MIGRATION RECEIVED

TINGA TINGANA BLOCK

SEISMIC INTERPRETATION

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

Interpretation of Towanda and Cherri is complete. Maps will be distributed early in December.

1985 Morphett-TT Seismic Survey

Maps have been distributed for the Paxton Prospect, and for the Paxton Region (Eastern Tinga Tingana Block).

Geophysical Map Issues

Composite Map	Tinga Tingana Block Cd, Pd, Zd, C-Pd, P-Zd	1:100,000 1:250,000	R. Gray 9/83
1985 Hogarth-TIN Seismic Survey	Paxton Area Ct, DNT, Zt	1:25,000	IBG 10/85
1985 Hogarth-TIN Seismic Survey	Eastern Tinga Tingana Ct, DNT, Zt	1:50,000	IBG 10/85

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

DECEMBER 1985

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SUMMARY AND HIGHLIGHTS

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Exploration Drilling Results
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Seismic Line List
Survey Line Index Map

SEISMIC PROCESSING

Processing Status Report

SEISMIC INTERPRETATION

Interpretation Summary
Geophysical Map Issues

DISTRIBUTION (18)

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J.T. Frazer
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Santos (2)

Vamgas

SAOGC

Hartogen

South Australia Department of Mines & Energy

SAI Group
Delhi Petroleum Pty Ltd
January 1986
DFL/111/6



Drilling

The 1985 Exploration Drilling Programme was completed in November.

Seismic Acquisition

Completed in August.

Seismic Processing

All lines from the 1985 Morphett-TIN Seismic Survey lines have been given film approval.

Seismic Interpretation

No interpretation undertaken.

General

A review of all prospects and leads in the Block including standardised O.H.I.P. estimation and risk analysis procedures was completed in December. A post-audit for Paxton 1 was distributed in December.

Programme Against BudgetDrilling

Wells	Original Budget	Amended Budget	Spudded End Month	Spudded Month	Forecast Annual
Base	1	1	1	0	1

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Morphett-TT	Base	400 km	407	407	0	407

TINGA TINGANA BLOCK

DRILLING

Exploration Drilling Expenditure

Well	Status	Budget \$	NOPE	NOPE \$	Forecast \$
Paxton 1	Ex	581,060	1991	523,000	523,000

Exploration Drilling Results
(Cumulative to month end)

Well	Status	TD ft	Spud	Released	Comments
Paxton 1	Ex	3580	20.11	27.11	P & A. Reservoir quality Namur sands. No shows. No tests, water-saturated on logs. Prognosis average 55 ft flow.

Well Summary Reports
(For month)

1985 Drilling

Paxton 1

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Morphett-TT	Base	1,239,960	-	1773	1,171,700	1,171,700

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Morphett-TT	Base	400	407	407	0	407	0

Seismic Acquisition Summary

General

Seismic acquisition was completed in August.

Line Clearance

Previously completed.

Surveying

Previously completed.

Upholes

Previously completed.

Recording

Previously completed.

Statics

Previously completed.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1984 Programme

BLOCK: TINGA TINGANA

NOPE: 1343

SURVEY: 1984 Hogarth-TIN

Cherri Flank

84-TJL	200-600	15.000
84-TJM	200-576	14.100
84-TJN	200-592	14.700
84-TJP	200-460	9.750
84-TJQ	200-476	10.350

63.900

Towanda Grid

84-TJE	200-1232	25.800
84-TJF	320-1184	21.600
84-TJG	200-2023	45.575
84-TJH	200-1100	22.750
84-TJJ	200- 800	15.000

130.725

Fortville Area

84-SWY	200-1220	Hogarth-T00
	1220-1900	25.500
84-TNT	200-676	17.850
84-TNW	200-518	11.925

55.275

Cherri-Tilcha Regional

84-TJK	200-1530	50.025
	1530-2164	Hogarth-ARR

50.025

1984 Hogarth-TIN Total

299.925

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
85-YNN	200 - 354	5.775
85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

Tataru

85-YNY	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

Total

406.500

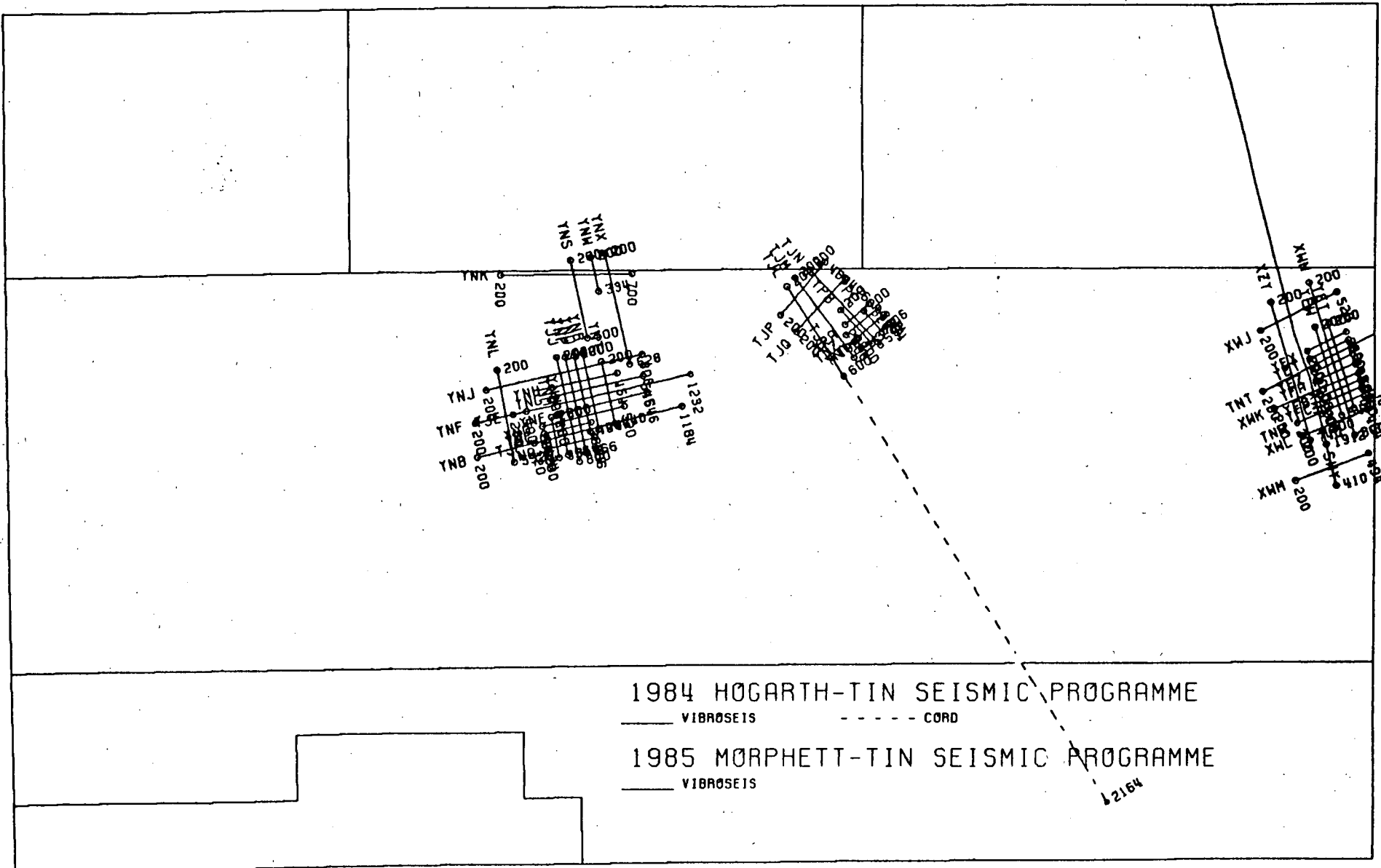
28 40 00S

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29 45 00S

139 00 00E

141 00 00E



SURVEY LINE INDEX

PROCESSING STATUS REPORT

DELHI PETROLEUM Pty. Ltd. PROCESSING STATUS

PAGE 1

TINGA TINGANA BLK AREA	NOPE	PCR	FLD	GI	AQ.END	DPROC	STATIC	BRUTE	PRELIM	PRELMA	FINAL	FNL A	FILM R	FILM D	MIGR
TIN SAOG CHERRI	1343	GSI	12	37.5	98.	98.	98.	98.	98.	98.	98.	98.	0.	0.	0.
TIN FORTVILLE AREA	1343	DIG	12	37.5	26.	26.	26.	26.	26.	26.	26.	26.	0.	0.	0.
TIN PAXTON	1773	FPU	48	37.5	214.	214.	214.	214.	214.	214.	214.	214.	214.	0.	0.
TIN CHERRI FLANK	1773	GSI	24	37.5	15.	15.	15.	15.	15.	15.	15.	15.	0.	0.	0.
TIN TOWANDA-TUKINYA	1773	FPU	48	37.5	118.	118.	118.	118.	118.	118.	118.	118.	0.	0.	0.
TIN WEAK LEAD NO 3 REGIONAL	1773	FPU	48	37.5	54.	54.	54.	54.	54.	54.	54.	54.	0.	0.	0.
TIN TAKARI	1773	FPU	48	37.5	51.	51.	51.	51.	51.	51.	51.	51.	0.	0.	0.
TIN TATARU	1773	FPU	48	37.5	26.	26.	26.	26.	26.	26.	26.	26.	0.	0.	0.
					602.	602.	602.	602.	602.	602.	602.	602.	214.	0.	0.

0347

TINGA	TINGANA																		
LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
82-MCBR	TIN-SAOG	CHE	GS13	GS1	NF	100-362	37.5	09.8250	12	040582	310785	030885	110985	180985*	301085	121185			
82-MCCR	TIN-SAOG	CHE	GS13	GS1	NF	100-530	37.5	16.1250	12	260582	310785	030885	110985	180985*	171085	181285			
82-MCDR	TIN-SAOG	CHE	GS13	GS1	NF	102-726	37.5	23.4000	12	120582	120685	260685	100785	180785*	130885	270985			
82-MCFR	TIN-SAOG	CHE	GS13	GS1	NF	560-823	37.5	09.8625	12	140582	310785	030885	110985	180985*	171085	241085			
82-MCGR	TIN-SAOG	CHE	GS13	GS1	NF	480-885	37.5	15.1875	12	190582	310785	030885	170985	190985*	171085	241085			
82-MCHR	TIN-SAOG	CHE	GS13	GS1	NF	315-956	37.5	24.0375	12	090582	070885	030885	110985	180985*	171085	241085			
84-SWY1	TIN-FORTVILL	SDU	DIG	NF		1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985			
84-SWYR	TIN-PAXTON	SDU	FPU	NF		1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185		
84-TJLR	TIN-CHERRI	F	SDU	GS1	NF	200-600	37.5	15.0000	24	090884	010785	010785	160785	180785*	060885	270985			
84-TNTR	TIN-PAXTON	SDU	FPU	NF		200-676	37.5	17.8500	12	180784	020785	070785	090785	110785*	140785	130985	201185		
84-TNWR	TIN-PAXTON	SDU	FPU	NF		200-519	37.5	11.9625	12	170784	020785	070785	090785	110785*	140785	130985	201185		
85-XWJ	TIN-PAXTON	SDU	FPU	NF		200-520	37.5	12.0000	48	120585	020785	070785	090785	110785*	140785	130985	041285		
85-XWK	TIN-PAXTON	SDU	FPU	NF		199-546	37.5	13.8800	48	180585	020785	070785	090785	110785*	140785	130985	041285		
85-XWL	TIN-PAXTON	SDU	FPU	NF		200-464	37.5	09.9000	48	150585	020785	070785	090785	110785*	140785	130985	041285		
85-XWM	TIN-PAXTON	SDU	FPU	NF		200-494	37.5	11.0300	48	170585	020785	070785	090785	110785*	140785	130985	041285		
85-XWN	TIN-PAXTON	SDU	FPU	NF		200-800	37.5	22.5000	48	140585	020785	070785	090785	110785*	140785	130985	041285		
85-XWP	TIN-PAXTON	SDU	FPU	NF		200-410	37.5	07.8750	48	160585	020785	070785	090785	110785*	140785	130985	041285		
85-XZY	TIN-PAXTON	SDU	FPU	NF		200-740	37.5	20.2550	48	200585	020785	070785	090785	110785*	140785	130985	201285		
85-YET	TIN-PAXTON	SDU	FPU	NF		200-532	37.5	12.4500	48	030785	020785	070785	090785	110785*	140785	130985	041285		
85-YEW	TIN-PAXTON	SDU	FPU	NF		200-546	37.5	12.9750	48	040785	020785	070785	090785	110785*	140785	130985	041285		
85-YEX	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEY	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEZ	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	201185		
85-YFA	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	181185		
85-YFB	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
85-YFC	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
85-YNA	TIN-TOWANDA-	SDU	FPU	NF		200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085			
85-YNB	TIN-WEAK LEA	SDU	FPU	NF		200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085			
85-YNC	TIN-TOWANDA-	SDU	FPU	NF		200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085			
85-YND	TIN-TOWANDA-	SDU	FPU	NF		200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085			
85-YNE	TIN-TOWANDA-	SDU	FPU	NF		200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085			
85-YNF	TIN-WEAK LEA	SDU	FPU	NF		200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185			
85-YNG	TIN-TOWANDA-	SDU	FPU	NF		200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285			
85-YNH	TIN-TOWANDA-	SDU	FPU	NF		200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285			
85-YNJ	TIN-WEAK LEA	SDU	FPU	NF		200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085			
85-YNK	TIN-TAKARI	SDU	FPU	NF		200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085			
85-YNL	TIN-WEAK LEA	SDU	FPU	NF		200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085			
85-YNM	TIN-TOWANDA-	SDU	FPU	NF		200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085			
85-YNN	TIN-TOWANDA-	SDU	FPU	NF		200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085			
85-YNP	TIN-TOWANDA-	SDU	FPU	NF		200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085			
85-YNQ	TIN-TOWANDA-	SDU	FPU	NF		200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085			
85-YNR	TIN-TOWANDA-	SDU	FPU	NF		200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	201285	201285			
85-YNS	TIN-TAKARI	SDU	FPU	NF		200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285			
85-YNT	TIN-TOWANDA-	SDU	FPU	NF		200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285			
85-YNW	TIN-TAKARI	SDU	FPU	NF		200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285			
85-YNX	TIN-TAKARI	SDU	FPU	NF		200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085			
85-YNY	TIN-TATARU	SDU	FPU	NF		200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085			
85-YNZ	TIN-TATARU	SDU	FPU	NF		200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085			
85-YPA	TIN-TATARU	SDU	FPU	NF		200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085			
85-YPB	TIN-TATARU	SDU	FPU	NF		200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085			
85-YPC	TIN-TATARU	SDU	FPU	NF		200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085			
TOTAL										602.	602.	602.	602.	602.	602.	602.	214.	0.	0.
BACKLOG										0.	0.	0.	0.	0.	0.	0.	388.	602.	
STAGE BACKLOG										0.	0.	0.	0.	0.	0.	0.	388.	214.	

TOTAL FOR 1285

ACQUIRED	0.KM
SENT OUT	0.KM
STATICS SENT	0.KM
BRUTES PRODUCED	0.KM
PRELIMS PRODUCED	0.KM
FINALS PRODUCED	34.KM
FILM APPROVED	75.KM
FILMS RECEIVED	112.KM
FILMS DISTRIBUTED	0.KM
MIGRATES RECEIVED	0.KM

TOTAL NO OF LINES IN REPORT

51

0349

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	SAOG BLK	CHERRI AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG	
82-MCBB	TIN-SAOG	CHE	GSI3	GSI	NF	100-362	37.5	09.8250	12	040582	310785	030885	110985	180985*	301085	121185				
82-MCCR	TIN-SAOG	CHE	GSI3	GSI	NF	100-530	37.5	16.1250	12	260582	310785	030885	110985	180985*	171085	181285				
82-MCDR	TIN-SAOG	CHE	GSI3	GSI	NF	102-726	37.5	23.4000	12	120582	120685	260685	100785	180785*	130885	270985				
82-MCGR	TIN-SAOG	CHE	GSI3	GSI	NF	560-823	37.5	09.8625	12	140582	310785	030885	110985	180985*	171085	241085				
82-MCGR	TIN-SAOG	CHE	GSI3	GSI	NF	480-885	37.5	15.1875	12	190582	310785	030885	170985	190985*	171085	241085				
82-MCHR	TIN-SAOG	CHE	GSI3	GSI	NF	315-956	37.5	24.0375	12	090582	070885	030885	110985	180985*	171085	241085				
TOTAL										98.	98.	98.	98.	98.	98.	98.	98.	0.	0.	0.
BACKLOG												0.	0.	0.	0.	0.	98.	98.		
STAGE BACKLOG												0.	0.	0.	0.	0.	98.	0.		

Films are expected in January.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	CHERRI BLK	FLANK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG	
84-TJLR	TIN-CHERRI	F	SDU	GSI	NF	200-600	37.5	15.0000	24	090884	010785	010785	160785	180785*	060885	270985				
TOTAL										15.	15.	15.	15.	15.	15.	15.	15.	0.	0.	0
BACKLOG												0.	0.	0.	0.	0.	15.	15.		
STAGE BACKLOG												0.	0.	0.	0.	0.	15.	0.		

Films for this line are expected in January.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	FORTVILLE AREA BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWY1	TIN-FORTVILL	SDU	DIG	NF	1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985			
TOTAL									26.	26.	26.	26.	26.	26.	26.	0.	0.	0
BACKLOG											0.	0.	0.	0.	0.	26.	26.	
STAGE BACKLOG											0.	0.	0.	0.	0.	26.	0.	

The film for this area is outstanding and is expected early in January.

0350

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	PAXTON BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWYR	TIN-PAXTON	SDU	FPU	NF	1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185		
84-TNTR	TIN-PAXTON	SDU	FPU	NF	200-676	37.5	17.8500	12	180784	020785	070785	090785	110785*	140785	130985	201185		
84-TNWR	TIN-PAXTON	SDU	FPU	NF	200-519	37.5	11.9625	12	170784	020785	070785	090785	110785*	140785	130985	201185		
85-XWJ	TIN-PAXTON	SDU	FPU	NF	200-520	37.5	12.0000	48	120585	020785	070785	090785	110785*	140785	130985	041285		
85-XWK	TIN-PAXTON	SDU	FPU	NF	199-546	37.5	13.8800	48	180585	020785	070785	090785	110785*	140785	130985	041285		
85-XWL	TIN-PAXTON	SDU	FPU	NF	200-464	37.5	09.9000	48	150585	020785	070785	090785	110785*	140785	130985	041285		
85-XWM	TIN-PAXTON	SDU	FPU	NF	200-494	37.5	11.0300	48	170585	020785	070785	090785	110785*	140785	130985	201185		
85-XWN	TIN-PAXTON	SDU	FPU	NF	200-800	37.5	22.5000	48	140585	020785	070785	090785	110785*	140785	130985	041285		
85-XWP	TIN-PAXTON	SDU	FPU	NF	200-410	37.5	07.8750	48	160585	020785	070785	090785	110785*	140785	130985	041285		
85-XZY	TIN-PAXTON	SDU	FPU	NF	200-740	37.5	20.2550	48	200585	020785	070785	090785	110785*	140785	130985	201285		
85-YET	TIN-PAXTON	SDU	FPU	NF	200-532	37.5	12.4500	48	030785	020785	070785	090785	110785*	140785	130985	041285		
85-YEW	TIN-PAXTON	SDU	FPU	NF	200-546	37.5	12.9750	48	040785	020785	070785	090785	110785*	140785	130985	041285		
85-YEX	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEY	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEZ	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	201185		
85-YFA	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	181185		
85-YFB	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
85-YFC	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
TOTAL									214.	214.	214.	214.	214.	214.	214.	214.	0.	0.
BACKLOG												0.	0.	0.	0.	0.	214.	
STAGE BACKLOG												0.	0.	0.	0.	0.	214.	

Films for this area will be distributed during January.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	TOWANDA-TUKINYA BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNA	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085			
85-YNC	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085			
85-YND	TIN-TOWANDA-	SDU	FPU	NF	200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085			
85-YNE	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085			
85-YNG	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285			
85-YNH	TIN-TOWANDA-	SDU	FPU	NF	200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285			
85-YNM	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085			
85-YNN	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085			
85-YNP	TIN-TOWANDA-	SDU	FPU	NF	200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085			
85-YNQ	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085			
85-YNR	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	201285	201285			
85-YNT	TIN-TOWANDA-	SDU	FPU	NF	200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285			
TOTAL									118.	118.	118.	118.	118.	118.	118.	0.	0.	0.
BACKLOG									0.	0.	0.	0.	0.	0.	0.	118.	118.	
STAGE BACKLOG									0.	0.	0.	0.	0.	0.	0.	118.	0.	

The archive tapes for this field processed area is at Seiscom Delta United, Melbourne and films are expected in February.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	WEAK LEAD NO. 3 REGIONAL BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNB	TIN-WEAK LEA	SDU	FPU	NF	200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085			
85-YNF	TIN-WEAK LEA	SDU	FPU	NF	200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185			
85-YNJ	TIN-WEAK LEA	SDU	FPU	NF	200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085			
85-YNL	TIN-WEAK LEA	SDU	FPU	NF	200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085			
TOTAL									54.	54.	54.	54.	54.	54.	54.	0.	0.	0.
BACKLOG									0.	0.	0.	0.	0.	0.	0.	54.	54.	
STAGE BACKLOG									0.	0.	0.	0.	0.	0.	0.	54.	0.	

The archive tapes for this field processed area is at Seiscom Delta United, Melbourne and films are expected in February.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	TAKARI BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNK	TIN-TAKARI	SDU	FPU	NF	200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085			
85-YNS	TIN-TAKARI	SDU	FPU	NF	200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285			
85-YNW	TIN-TAKARI	SDU	FPU	NF	200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285			
85-YNX	TIN-TAKARI	SDU	FPU	NF	200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085			
TOTAL									51.	51.	51.	51.	51.	51.	51.	0.	0.	0.
BACKLOG									0.	0.	0.	0.	0.	0.	0.	51.	51.	
STAGE BACKLOG									0.	0.	0.	0.	0.	0.	0.	51.	0.	

The archive tapes for this field processed area is at Seiscom Delta United, Melbourne and films are expected in February.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	TATARU BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNV	TIN-TATARU	SDU	FPU	NF	200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085			
85-YNZ	TIN-TATARU	SDU	FPU	NF	200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085			
85-YPA	TIN-TATARU	SDU	FPU	NF	200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085			
85-YPB	TIN-TATARU	SDU	FPU	NF	200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085			
85-YPC	TIN-TATARU	SDU	FPU	NF	200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085			
TOTAL									26.	26.	26.	26.	26.	26.	26.	0.	0.	0.
BACKLOG												0.	0.	0.	0.	26.	26.	
STAGE BACKLOG												0.	0.	0.	0.	0.	26.	0.

The archive tapes for this field processed area is at Seiscom Delta United, Melbourne and films are expected in February.

PROCESSING STATUS ABBREVIATIONS

BLK	: BLOCK CODE	
CREW	: AQUISITION CONTRACTOR	SSL = SEISMOGRAPH SERVICE LTD
		NOR = GRANT-NORPAC
		WGC = WESTERN GEOPHYSICAL
		RAY = PETTY-RAY GEOSOURCE
		SDU = SEISCOM DELTA UNITED
PC	: PROCESSING CONTRACTOR	GSI = GEOPHYSICAL SERVICE INTERNATIONAL
		HOS = HOSKING GEOPHYSICAL
		FPU = SEISCOM DELTA UNITED FIELD PROCESSING UNIT
		GES = GEOPHYSICAL EXPLORATION SERVICES
QC	: PROCESSING GEOPHYSICIST DELHI	MW = MIKE WILLIAMS
		NF = NICK FITZGERALD
		PG = PHILLIP GATLEY
		JS = JIM SMALL
		AW = ALEX WILSON
		MC = MICHAEL COUSINS
		PB = PETER BEAHAN
STATIONS	: SOURCE STATION RANGE	
GI	: RECEIVER GROUP INTERVAL	
KMS	: LINE KILOMETRES	
FOLD	: MULTIPLICITY OF CDP COVERAGE	
ACQ	: ACQUISITION END DATE	
DPROC	: TAPES SENT TO PROCESSING CONTRACTOR	
SPROC	: STATICS SENT TO PROCESSING CONTRACTOR	
BRUTE	: BRUTE STACK RECEIVED	
PRELIM	: PRELIMINARY STACK RECEIVED ("*" INDICATES PRELIMINARY STACK APPROVED)	
FINAL	: QC FINAL STACK RECEIVED	
FLMAPP	: FINAL STACK APPROVED FOR FILMING	
FILMR	: FINAL FILM RECEIVED	
DIST	: FINAL FILM DISTRIBUTED TO BLOCK PARTNERS	
MIG	: DATE MIGRATION RECEIVED	

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

Interpretation of 1984 Hogarth-TIN Survey is complete.

1985 Morphett-TT Seismic Survey

No interpretation undertaken.

Geophysical Map Issues

Composite Map	Tinga Tingana Block Cd, Pd, Zd, C-Pd, P-Zd	1:100,000 1:250,000	R. Gray 9/83
1985 Hogarth-TIN Seismic Survey	Paxton Area Ct, DNT, Zt	1:25,000	IBG 10/85
1985 Hogarth-TIN Seismic Survey	Eastern Tinga Tingana- Ct, DNT, Zt	1:50,000	IBG 10/85
1984-Hogarth-TIN Seismic Survey	Towanda-Tukinya Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85
1984-Hogarth-TIN Seismic Survey	Cherri-Tataru Area Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

JANUARY 1986

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SEISMIC PROCESSING

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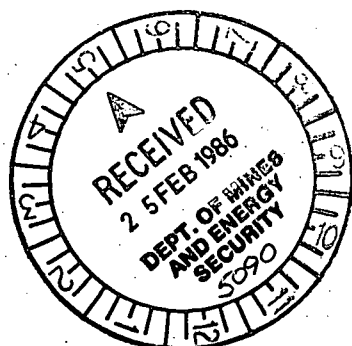
SEISMIC INTERPRETATION

Interpretation Summary
Geophysical Map Issues

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Delhi Petroleum Pty Ltd
February 1986
DFL/111/6

Drilling

The 1985 Exploration Drilling Programme was completed in November 1985. No wells are budgeted to be drilled in 1986.

Seismic Acquisition

The 1986 Fletcher-TIN Seismic Survey is currently scheduled to commence in early August.

Seismic Processing

All lines from the 1985 Morphet-TIN Seismic Survey lines have been given film approval. Final films should be available for distribution in late February.

Seismic Interpretation

No interpretation undertaken.

General

An assessment of all prospects and leads in the Block including standardised O.H.I.P. estimation and risk analysis procedures continues to be modified through January.

Programme Against BudgetDrilling

No wells are budgeted to be drilled in 1986.

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Fletcher-TIN	Base	200 km	<u>200</u>	0	0	200

Exploration Drilling Expenditure

No wells are budgeted to be drilled in 1986.

Exploration Drilling Results
(Cumulative to month end)

None.

Well Summary Reports
(For month)

None.

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Fletcher-TIN	Base	660,000	660,000	2139	-	660,000

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Fletcher-TIN	Base	200	200	200	0	0	200

Seismic Acquisition Summary

General

The 1986 Fletcher-TIN Seismic Survey is scheduled to commence in early August.

Line Clearance

-

Surveying

-

Upholes

-

Recording

-

Statics

-

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
85-YNN	200 - 354	5.775
85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphet-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

Tataru

85-YNY	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

Total

406.500

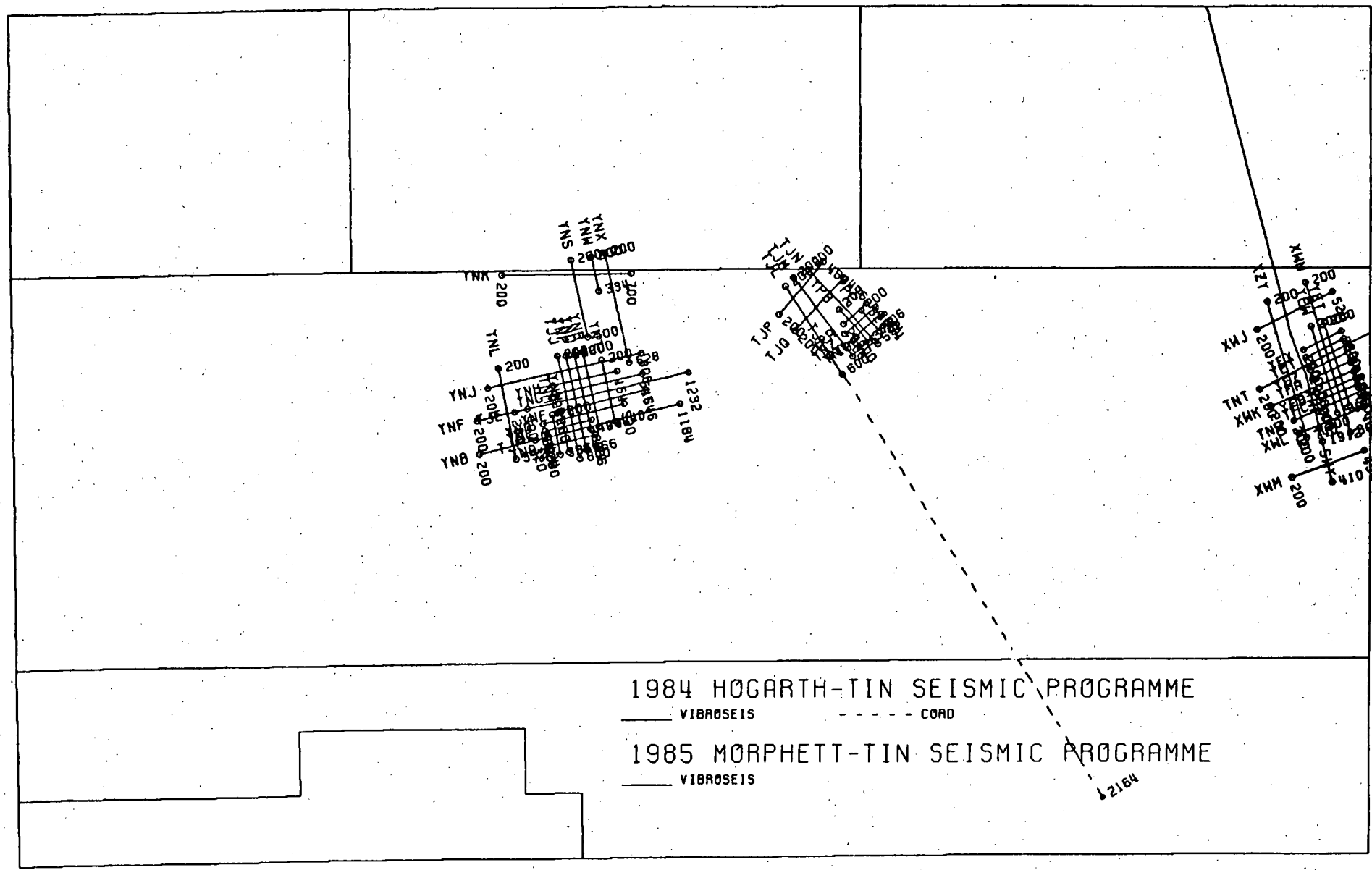
28 40 00S

29 45 00S

139 00 00E

SURVEY LINE INDEX

141 00 00E



0361

PROCESSING STATUS REPORT

TINGA TINGANA																			PAGE 1	
LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG	
82-MCBB	TIN-SAOG	CHE	GS13	GS1	NF	100-362	37.5	09.8250	12	040582	310785	030885	110985	180985*	301085	121185				
82-MCCR	TIN-SAOG	CHE	GS13	GS1	NF	100-530	37.5	16.1250	12	260582	310785	030885	110985	180985*	171085	181285				
82-MCDR	TIN-SAOG	CHE	GS13	GS1	NF	102-726	37.5	23.4000	12	120582	120685	260685	100785	180785*	130885	270985				
82-MCFF	TIN-SAOG	CHE	GS13	GS1	NF	560-823	37.5	09.8625	12	140582	310785	030885	110985	180985*	171085	241085				
82-MCGR	TIN-SAOG	CHE	GS13	GS1	NF	480-885	37.5	15.1875	12	190582	310785	030885	170985	190985*	171085	241085				
82-MCHR	TIN-SAOG	CHE	GS13	GS1	NF	315-956	37.5	24.0375	12	090582	070885	030885	110985	180985*	171085	241085				
84-SWY1	TIN-FORTVILL	SDU	DIG	NF		1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985	060186			
84-SWYR	TIN-PAXTON	SDU	FPU	NF		1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185			
84-TJLR	TIN-CHERRI	F	SDU	GS1	NF	200-600	37.5	15.0000	24	090884	010785	010785	160785	180785*	060885	270985				
84-TNTR	TIN-PAXTON	SDU	FPU	NF		200-676	37.5	17.8500	12	180784	020785	070785	090785	110785*	140785	130985	201185			
84-TNWR	TIN-PAXTON	SDU	FPU	NF		200-519	37.5	11.9625	12	170784	020785	070785	090785	110785*	140785	130985	201185			
85-XWJ	TIN-PAXTON	SDU	FPU	NF		200-520	37.5	12.0000	48	120585	020785	070785	090785	110785*	140785	130985	041285			
85-XWK	TIN-PAXTON	SDU	FPU	NF		200-546	37.5	12.9750	48	180585	020785	070785	090785	110785*	140785	130985	041285			
85-XWL	TIN-PAXTON	SDU	FPU	NF		200-464	37.5	09.9000	48	150585	020785	070785	090785	110785*	140785	130985	041285			
85-XWM	TIN-PAXTON	SDU	FPU	NF		200-494	37.5	11.0250	48	170585	020785	070785	090785	110785*	140785	130985	201185			
85-XWN	TIN-PAXTON	SDU	FPU	NF		200-800	37.5	22.5000	48	140585	020785	070785	090785	110785*	140785	130985	041285			
85-XWP	TIN-PAXTON	SDU	FPU	NF		200-410	37.5	07.8750	48	160585	020785	070785	090785	110785*	140785	130985	041285			
85-XZY	TIN-PAXTON	SDU	FPU	NF		200-740	37.5	20.2500	48	200585	020785	070785	090785	110785*	140785	130985	201285			
85-YET	TIN-PAXTON	SDU	FPU	NF		200-532	37.5	12.4500	48	030785	020785	070785	090785	110785*	140785	130985	041285			
85-YEW	TIN-PAXTON	SDU	FPU	NF		200-546	37.5	12.9750	48	040785	020785	070785	090785	110785*	140785	130985	041285			
85-YEX	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185			
85-YEY	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185			
85-YEZ	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	201185			
85-YFA	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	181185			
85-YFB	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185			
85-YFC	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185			
85-YNA	TIN-TOWANDA-	SDU	FPU	NF		200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186			
85-YNB	TIN-WEAK LEA	SDU	FPU	NF		200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085	300186			
85-YNC	TIN-TOWANDA-	SDU	FPU	NF		200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186			
85-YND	TIN-TOWANDA-	SDU	FPU	NF		200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085	300186			
85-YNE	TIN-TOWANDA-	SDU	FPU	NF		200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085	300186			
85-YNF	TIN-WEAK LEA	SDU	FPU	NF		200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185	300186			
85-YNG	TIN-TOWANDA-	SDU	FPU	NF		200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285	300186			
85-YNH	TIN-TOWANDA-	SDU	FPU	NF		200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285	300186			
85-YNJ	TIN-WEAK LEA	SDU	FPU	NF		200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085	300186			
85-YNK	TIN-TAKARI	SDU	FPU	NF		200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085	300186			
85-YNL	TIN-WEAK LEA	SDU	FPU	NF		200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085	300186			
85-YNM	TIN-TOWANDA-	SDU	FPU	NF		200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085	300186			
85-YNN	TIN-TOWANDA-	SDU	FPU	NF		200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085	300186			
85-YNP	TIN-TOWANDA-	SDU	FPU	NF		200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085	300186			
85-YNQ	TIN-TOWANDA-	SDU	FPU	NF		200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085	300186			
85-YNR	TIN-TOWANDA-	SDU	FPU	NF		200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	201285	201285	300186			
85-YNS	TIN-TAKARI	SDU	FPU	NF		200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285	300186			
85-YNT	TIN-TOWANDA-	SDU	FPU	NF		200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285	300186			
85-YNW	TIN-TAKARI	SDU	FPU	NF		200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285	300186			
85-YNX	TIN-TAKARI	SDU	FPU	NF		200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085	300186			
85-INY	TIN-TATARU	SDU	FPU	NF		200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085	300186			
85-YNZ	TIN-TATARU	SDU	FPU	NF		200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085	300186			
85-YPA	TIN-TATARU	SDU	FPU	NF		200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085	300186			
85-YPB	TIN-TATARU	SDU	FPU	NF		200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085	300186			
85-YPC	TIN-TATARU	SDU	FPU	NF		200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085	300186			
TOTAL										601.	601.	601.	601.	601.	601.	601.	487.	0.	0	
BACKLOG																	113.	601.		
STAGE BACKLOG																	113.	487.		

DELHI PETROLEUM Pty. Ltd. PROCESSING STATUS

TINGA TINGANA
BLK AREA

PAGE 1

	NOPE	PCR	FLD	GI	QA.END	DPROC	STATIC	BRUTE	PRELIM	PRELMA	FINAL	FNL A	FILM R	FILM D	MIGR
TIN SAOG CHERRI	1343	GSI	12	37.5	98.	98.	98.	98.	98.	98.	98.	98.	0.	0.	0.
TIN FORTVILLE AREA	1343	DIG	12	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
TIN PAXTON	1773	FPU	48	37.5	213.	213.	213.	213.	213.	213.	213.	213.	213.	0.	0.
TIN CHERRI FLANK	1773	GSI	24	37.5	15.	15.	15.	15.	15.	15.	15.	15.	0.	0.	0.
TIN TOWANDA-TUKINYA	1773	FPU	48	37.5	118.	118.	118.	118.	118.	118.	118.	118.	118.	0.	0.
TIN WEAK LEAD NO 3 REGIONAL	1773	FPU	48	37.5	54.	54.	54.	54.	54.	54.	54.	54.	54.	0.	0.
TIN TAKARI	1773	FPU	48	37.5	51.	51.	51.	51.	51.	51.	51.	51.	51.	0.	0.
TIN TATARU	1773	FPU	48	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
					601.	601.	601.	601.	601.	601.	601.	601.	487.	0.	0.

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TOTAL FOR 0186

ACQUIRED	0.KM
SENT OUT	0.KM
STATICS SENT	0.KM
BRUTES PRODUCED	0.KM
PRELIMS PRODUCED	0.KM
FINALS PRODUCED	0.KM
FILM APPROVED	0.KM
FILMS RECEIVED	274.KM
FILMS DISTRIBUTED	0.KM
MIGRATES RECEIVED	0.KM

TOTAL NO OF LINES IN REPORT

51

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- SAOG CHERRI

LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
82-MCBR	TIN-SAOG	CHE	GSI3	GSI	NF	100-362	37.5	09.8250	12	040582	310785	030885	110985	180985*	301085	121185			
82-MCCR	TIN-SAOG	CHE	GSI3	GSI	NF	100-530	37.5	16.1250	12	260582	310785	030885	110985	180985*	171085	181285			
82-MCDR	TIN-SAOG	CHE	GSI3	GSI	NF	102-726	37.5	23.4000	12	120582	120685	260685	100785	180785*	130885	270985			
82-MCFR	TIN-SAOG	CHE	GSI3	GSI	NF	560-823	37.5	09.8625	12	140582	310785	030885	110985	180985*	171085	241085			
82-MCGR	TIN-SAOG	CHE	GSI3	GSI	NF	480-885	37.5	15.1875	12	190582	310785	030885	170985	190985*	171085	241085			
82-MCHR	TIN-SAOG	CHE	GSI3	GSI	NF	315-956	37.5	24.0375	12	090582	070885	030885	110985	180985*	171085	241085			
TOTAL										98.	98.	98.	98.	98.	98.	98.	0.	0.	0.
BACKLOG												0.	0.	0.	0.	0.	98.	98.	
STAGE BACKLOG												0.	0.	0.	0.	0.	98.	0.	

THE FILMS FOR THIS AREA WILL BE RECEIVED DURING FEBRUARY.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- FORTVILLE AREA

LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWY1	TIN-FORTVILL	SDU	DIG	NF		1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985	060186		
TOTAL										26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
BACKLOG												0.	0.	0.	0.	0.	0.	26.	
STAGE BACKLOG												0.	0.	0.	0.	0.	0.	26.	

THE FILMS FOR THIS AREA WILL BE DISTRIBUTED IN FEBRUARY.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	PAXTON BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWYR	TIN-PAXTON	SDU	FPU	NF	1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185		
84-TNTR	TIN-PAXTON	SDU	FPU	NF	200-676	37.5	17.8500	12	180784	020785	070785	090785	110785*	140785	130985	201185		
84-TNWR	TIN-PAXTON	SDU	FPU	NF	200-519	37.5	11.9625	12	170784	020785	070785	090785	110785*	140785	130985	201185		
85-XWJ	TIN-PAXTON	SDU	FPU	NF	200-520	37.5	12.0000	48	120585	020785	070785	090785	110785*	140785	130985	041285		
85-XWK	TIN-PAXTON	SDU	FPU	NF	200-546	37.5	12.9750	48	180585	020785	070785	090785	110785*	140785	130985	041285		
85-XWL	TIN-PAXTON	SDU	FPU	NF	200-464	37.5	09.9000	48	150585	020785	070785	090785	110785*	140785	130985	041285		
85-XWM	TIN-PAXTON	SDU	FPU	NF	200-494	37.5	11.0300	48	170585	020785	070785	090785	110785*	140785	130985	201185		
85-XWN	TIN-PAXTON	SDU	FPU	NF	200-800	37.5	22.5000	48	140585	020785	070785	090785	110785*	140785	130985	041285		
85-XWP	TIN-PAXTON	SDU	FPU	NF	200-410	37.5	07.8750	48	160585	020785	070785	090785	110785*	140785	130985	041285		
85-XZY	TIN-PAXTON	SDU	FPU	NF	200-740	37.5	20.2550	48	200585	020785	070785	090785	110785*	140785	130985	201285		
85-YET	TIN-PAXTON	SDU	FPU	NF	200-532	37.5	12.4500	48	030785	020785	070785	090785	110785*	140785	130985	041285		
85-YEW	TIN-PAXTON	SDU	FPU	NF	200-546	37.5	12.9750	48	040785	020785	070785	090785	110785*	140785	130985	041285		
85-YEX	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEY	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185		
85-YEZ	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	201185		
85-YFA	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	181185		
85-YFB	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
85-YFC	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185		
TOTAL										213.	213.	213.	213.	213.	213.	213.	0.	0.
BACKLOG												0.	0.	0.	0.	0.	213.	
STAGE BACKLOG												0.	0.	0.	0.	0.	213.	

THE FILMS FOR THIS AREA WILL BE DISTRIBUTED IN FEBRUARY.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	CHERRI FLANK BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-TJLR	TIN-CHERRI F	SDU	GS	NF	200-600	37.5	15.0000	24	090884	010785	010785	160785	180785*	060885	270985			
TOTAL										15.	15.	15.	15.	15.	15.	0.	0.	0.
BACKLOG												0.	0.	0.	0.	15.	15.	
STAGE BACKLOG												0.	0.	0.	0.	15.	0.	

THE FILMS FOR THIS AREA WILL BE RECEIVED DURING FEBRUARY.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	TOWANDA-TUKINYA BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNA	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186		
85-YNC	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186		
85-YND	TIN-TOWANDA-	SDU	FPU	NF	200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085	300186		
85-YNE	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085	300186		
85-YNG	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285	300186		
85-YNH	TIN-TOWANDA-	SDU	FPU	NF	200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285	300186		
85-YNM	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085	300186		
85-YNN	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085	300186		
85-YNP	TIN-TOWANDA-	SDU	FPU	NF	200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085	300186		
85-YNQ	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085	300186		
85-YNR	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	201285	201285	300186		
85-YNT	TIN-TOWANDA-	SDU	FPU	NF	200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285	300186		
TOTAL										118.	118.	118.	118.	118.	118.	118.	0.	0.
BACKLOG												0.	0.	0.	0.	0.	118.	
STAGE BACKLOG												0.	0.	0.	0.	0.	118.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- WEAK LEAD NO 3 REGIONAL

LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNB	TIN-WEAK	LEA	SDU	FP	PU	NF 200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085	300186		
85-YNF	TIN-WEAK	LEA	SDU	FP	PU	NF 200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185	300186		
85-YNJ	TIN-WEAK	LEA	SDU	FP	PU	NF 200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085	300186		
85-YNL	TIN-WEAK	LEA	SDU	FP	PU	NF 200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085	300186		
TOTAL										54.	54.	54.	54.	54.	54.	54.	54.	0.	0.
BACKLOG													0.	0.	0.	0.	0.	54.	
STAGE BACKLOG													0.	0.	0.	0.	0.	54.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- TAKARI

LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNK	TIN-TAKARI		SDU	FP	PU	NF 200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085	300186		
85-YNS	TIN-TAKARI		SDU	FP	PU	NF 200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285	300186		
85-YNW	TIN-TAKARI		SDU	FP	PU	NF 200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285	300186		
85-YNX	TIN-TAKARI		SDU	FP	PU	NF 200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085	300186		
TOTAL										51.	51.	51.	51.	51.	51.	51.	51.	0.	0.
BACKLOG													0.	0.	0.	0.	0.	51.	
STAGE BACKLOG													0.	0.	0.	0.	0.	51.	

THE FILMS FOR THIS AREA WILL BE DISTRIBUTED IN FEBRUARY.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- TATARU

LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNY	TIN-TATARU		SDU	FP	PU	NF 200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085	300186		
85-YNZ	TIN-TATARU		SDU	FP	PU	NF 200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085	300186		
85-YPA	TIN-TATARU		SDU	FP	PU	NF 200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085	300186		
85-YPB	TIN-TATARU		SDU	FP	PU	NF 200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085	300186		
85-YPC	TIN-TATARU		SDU	FP	PU	NF 200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085	300186		
TOTAL										26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
BACKLOG													0.	0.	0.	0.	0.	26.	
STAGE BACKLOG													0.	0.	0.	0.	0.	26.	

THE FILMS FOR THIS AREA WILL BE DISTRIBUTED IN FEBRUARY.

PROCESSING STATUS ABBREVIATIONS

BLK	: BLOCK CODE	
CREW	: ACQUISITION CONTRACTOR	SSL = SEISMOGRAPH SERVICE LTD
		NOR = GRANT-NORPAC
		WGC = WESTERN GEOPHYSICAL
		RAY = PETTY-RAY GEOSOURCE
		SDU = SEISCOM DELTA UNITED
PC	: PROCESSING CONTRACTOR	GSI = GEOPHYSICAL SERVICE INTERNATIONAL
		HOS = HOSKING GEOPHYSICAL
		FPU = SEISCOM DELTA UNITED FIELD PROCESSING UNIT
		GES = GEOPHYSICAL EXPLORATION SERVICES
QC	: PROCESSING GEOPHYSICIST DELHI	MW = MIKE WILLIAMS
		NF = NICK FITZGERALD
		PG = PHILLIP GATLEY
		JS = JIM SMALL
		AW = ALEX WILSON
		MC = MICHAEL COUSINS
		PB = PETER BEAHAN
STATIONS	: SOURCE STATION RANGE	
GI	: RECEIVER GROUP INTERVAL	
KMS	: LINE KILOMETRES	
FOLD	: MULTIPLICITY OF CDP COVERAGE	
ACQ	: ACQUISITION END DATE	
DPROC	: TAPES SENT TO PROCESSING CONTRACTOR	
SPROC	: STATICS SENT TO PROCESSING CONTRACTOR	
BRUTE	: BRUTE STACK RECEIVED	
PRELIM	: PRELIMINARY STACK RECEIVED ("*" INDICATES PRELIMINARY STACK APPROVED)	
FINAL	: QC FINAL STACK RECEIVED	
FLMAPP	: FINAL STACK APPROVED FOR FILMING	
FILMR	: FINAL FILM RECEIVED	
DIST	: FINAL FILM DISTRIBUTED TO BLOCK PARTNERS	
MIG	: DATE MIGRATION RECEIVED	

Interpretation Summary

Base

1984 Hogarth-TT Seismic Survey

Interpretation of 1984 Hogarth-TIN Survey is complete.

1985 Morphett-TT Seismic Survey

No interpretation undertaken.

Geophysical Map Issues

Composite Map	Tinga Tingana Block Cd, Pd, Zd, C-Pd, P-Zd	1:100,000 1:250,000	R. Gray 9/83
1985 Hogarth-TIN Seismic Survey	Paxton Area Ct, Dnt, Zt	1:25,000	IBG 10/85
1985 Hogarth-TIN Seismic Survey	Eastern Tinga Tingana Ct, Dnt, Zt	1:50,000	IBG 10/85
1984-Hogarth-TIN Seismic Survey	Towanda-Tukinya Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85
1984-Hogarth-TIN Seismic Survey	Cherri-Tataru Area Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

FEBRUARY 1986

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Exploration Drilling Results
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Seismic Acquisition Summary
Seismic Line List
Survey Line Index Map

SEISMIC PROCESSING

Processing Status Report

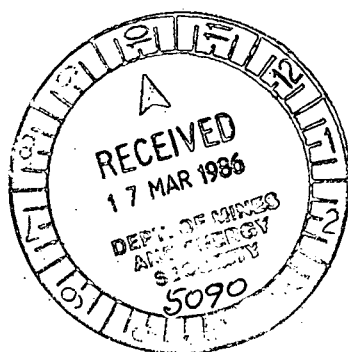
SEISMIC INTERPRETATION

Interpretation Summary
Geophysical Map Issues

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SA1 Group
Delhi Petroleum Pty Ltd.
March 1986
DFL/111/6

Drilling

No wells are budgeted to be drilled in 1986.

Seismic Acquisition

The 1986 Fletcher-TIN Seismic Survey is currently scheduled to commence in early August.

Seismic Processing

All lines from the 1985 Morphett-TIN Seismic Survey lines have been given film approval. Films in the Paxton area were distributed in February, and remaining lines will be distributed in March.

Seismic Interpretation

No interpretation undertaken.

General

An assessment of all prospects and leads in the Block including standardised O.H.I.P. estimation and risk analysis procedures continues to be modified through February.

Programme Against BudgetDrilling

No wells are budgeted to be drilled in 1986.

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Fletcher-TIN	Base	200 km	200	0	0	200

TINGA TINGANA BLOCK

DRILLING

Exploration Drilling Expenditure

No wells are budgeted to be drilled in 1986.

Exploration Drilling Results
(Cumulative to month end)

None.

Well Summary Reports
(For month)

None.

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Fletcher-TIN	Base	660,000	660,000	2139	-	660,000

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Fletcher-TIN	Base	200	200	200	0	0	200

Seismic Acquisition Summary

General

The 1986 Fletcher-TIN Seismic Survey is scheduled to commence in early August.

Line Clearance

-

Surveying

-

Upholes

-

Recording

-

Statics

-

Seismic Line List

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphet-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
85-YNN	200 - 354	5.775
85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

Tataru

85-YNY	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

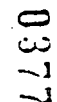
Total

406.500

29 45 00S

SURVEY LINE INDEX.

141 00 00E



0378

PROCESSING STATUS REPORT

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

PAGE 1

TINGA TINGANA	LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
	82-MCBL	TIN-SAOG	CHE	GS13	GS1	NF	100-362	37.5	09.8250	12	040582	310785	030885	110985	180985*	301085	121185	030286		030286
	82-MCCR	TIN-SAOG	CHE	GS13	GS1	NF	100-530	37.5	16.1250	12	260582	310785	030885	110985	180985*	171085	181285	030286		030286
	82-MCDR	TIN-SAOG	CHE	GS13	GS1	NF	102-726	37.5	23.4000	12	120582	120685	260685	100785	180785*	130885	270985	030286		030286
	82-MCFR	TIN-SAOG	CHE	GS13	GS1	NF	560-823	37.5	09.8625	12	140582	310785	030885	110985	180985*	171085	241085	030286		030286
	82-MCGR	TIN-SAOG	CHE	GS13	GS1	NF	480-885	37.5	15.1875	12	190582	310785	030885	170985	190985*	171085	241085	030286		030286
	82-MCHR	TIN-SAOG	CHE	GS13	GS1	NF	315-956	37.5	24.0375	12	090582	070885	030885	110985	180985*	171085	241085	030286		030286
	84-SWY1	TIN-FORTVILL	SDU	DIG	NF		1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985	060186		
	84-SWYR	TIN-PAXTON	SDU	FPU	NF		1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185		
	84-TJLR	TIN-CHERRI	F	SDU	GS1	NF	200-600	37.5	15.0000	24	090884	010785	010785	160785	180785*	060885	270985	030286		030286
	84-TNTR	TIN-PAXTON	SDU	FPU	NF		200-676	37.5	17.8500	12	180784	020785	070785	090785	110785*	140785	130985	201185	200286	
	84-TNWR	TIN-PAXTON	SDU	FPU	NF		200-519	37.5	11.9625	12	170784	020785	070785	090785	110785*	140785	130985	201185	200286	
	85-XWJ	TIN-PAXTON	SDU	FPU	NF		200-520	37.5	12.0000	48	120585	020785	070785	090785	110785*	140785	130985	041285	200286	
	85-XWK	TIN-PAXTON	SDU	FPU	NF		200-546	37.5	12.9750	48	180585	020785	070785	090785	110785*	140785	130985	041285	200286	
	85-XWL	TIN-PAXTON	SDU	FPU	NF		200-464	37.5	09.9000	48	150585	020785	070785	090785	110785*	140785	130985	041285	200286	
	85-XWM	TIN-PAXTON	SDU	FPU	NF		200-494	37.5	11.0250	48	170585	020785	070785	090785	110785*	140785	130985	201185	200286	
	85-XWN	TIN-PAXTON	SDU	FPU	NF		200-800	37.5	22.5000	48	140585	020785	070785	090785	110785*	140785	130985	041285	200286	
	85-XWP	TIN-PAXTON	SDU	FPU	NF		200-410	37.5	07.8750	48	160585	020785	070785	090785	110785*	140785	130985	041285	200286	
	85-XZY	TIN-PAXTON	SDU	FPU	NF		200-740	37.5	20.2500	48	200585	020785	070785	090785	110785*	140785	130985	201285	200286	
	85-YET	TIN-PAXTON	SDU	FPU	NF		200-532	37.5	12.4500	48	030785	020785	070785	090785	110785*	140785	130985	041285	200286	
	85-YEW	TIN-PAXTON	SDU	FPU	NF		200-546	37.5	12.9750	48	040785	020785	070785	090785	110785*	140785	130985	041285	200286	
	85-YEX	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185	200286	
	85-YEY	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185	200286	
	85-YEZ	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	201185	200286	
	85-YFA	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	181185	200286	
	85-YFB	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185	200286	
	85-YFC	TIN-PAXTON	SDU	FPU	NF		200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185	200286	
	85-YNA	TIN-TOWANDA-	SDU	FPU	NF		200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNB	TIN-WEAK LEA	SDU	FPU	NF		200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNC	TIN-TOWANDA-	SDU	FPU	NF		200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186		
	85-YND	TIN-TOWANDA-	SDU	FPU	NF		200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNE	TIN-TOWANDA-	SDU	FPU	NF		200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNF	TIN-WEAK LEA	SDU	FPU	NF		200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185	300186		
	85-YNG	TIN-TOWANDA-	SDU	FPU	NF		200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285	300186		
	85-YNH	TIN-TOWANDA-	SDU	FPU	NF		200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285	300186		
	85-YNJ	TIN-WEAK LEA	SDU	FPU	NF		200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNK	TIN-TAKARI	SDU	FPU	NF		200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNL	TIN-WEAK LEA	SDU	FPU	NF		200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNM	TIN-TOWANDA-	SDU	FPU	NF		200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNN	TIN-TOWANDA-	SDU	FPU	NF		200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNP	TIN-TOWANDA-	SDU	FPU	NF		200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNQ	TIN-TOWANDA-	SDU	FPU	NF		200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNR	TIN-TOWANDA-	SDU	FPU	NF		200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	201285	201285	300186		
	85-YNS	TIN-TAKARI	SDU	FPU	NF		200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285	300186		
	85-YNT	TIN-TOWANDA-	SDU	FPU	NF		200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285	300186		
	85-YNW	TIN-TAKARI	SDU	FPU	NF		200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285	300186		
	85-YNX	TIN-TAKARI	SDU	FPU	NF		200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085	300186		
	85-YNY	TIN-TATARU	SDU	FPU	NF		200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085	300186		
	85-YNZ	TIN-TATARU	SDU	FPU	NF		200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085	300186		
	85-YPA	TIN-TATARU	SDU	FPU	NF		200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085	300186		
	85-YPB	TIN-TATARU	SDU	FPU	NF		200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085	300186		
	85-YPC	TIN-TATARU	SDU	FPU	NF		200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085	300186		
TOTAL											601.	601.	601.	601.	601.	601.	601.	601.	188.	113.
BACKLOG											0.	0.	0.	0.	0.	0.	0.	0.	413.	
STAGE BACKLOG											0.	0.	0.	0.	0.	0.	0.	0.	413.	

DELHI PETROLEUM Pty. Ltd. PROCESSING STATUS

PAGE 1

TINGA TINGANA BLK AREA	NOPE	PCR	FLD	GI	AQ.END	DPROC	STATIC	BRUTE	PRELIM	PRELMA	FINAL	FNL A	FILM R	FILM D	MIGR
TIN SAOG CHERRI	1343	GSI	12	37.5	98.	98.	98.	98.	98.	98.	98.	98.	98.	0.	98.
TIN FORTVILLE AREA	1343	DIG	12	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
TIN PAXTON	1773	FPU	48	37.5	213.	213.	213.	213.	213.	213.	213.	213.	213.	188.	0.
TIN CHERRI FLANK	1773	GSI	24	37.5	15.	15.	15.	15.	15.	15.	15.	15.	15.	0.	15.
TIN TOWANDA-TUKINYA	1773	FPU	48	37.5	118.	118.	118.	118.	118.	118.	118.	118.	118.	0.	0.
TIN WEAK LEAD NO 3 REGIONAL	1773	FPU	48	37.5	54.	54.	54.	54.	54.	54.	54.	54.	54.	0.	0.
TIN TAKARI	1773	FPU	48	37.5	51.	51.	51.	51.	51.	51.	51.	51.	51.	0.	0.
TIN TATARU	1773	FPU	48	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
					601.	601.	601.	601.	601.	601.	601.	601.	601.	188.	113.

0380

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	SAOG BLK	CHERRI AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
82-MCBR	TIN-SAOG	CHE	GSI3	GSI	NF	100-362	37.5	09.8250	12	040582	310785	030885	110985	180985*	301085	121185	030286		030286
82-MCCR	TIN-SAOG	CHE	GSI3	GSI	NF	100-530	37.5	16.1250	12	260582	310785	030885	110985	180985*	171085	181285	030286		030286
82-MCDR	TIN-SAOG	CHE	GSI3	GSI	NF	102-726	37.5	23.4000	12	120582	120685	260685	100785	180785*	130885	270985	030286		030286
82-MCFR	TIN-SAOG	CHE	GSI3	GSI	NF	560-823	37.5	09.8625	12	140582	310785	030885	110985	180985*	171085	241085	030286		030286
82-MCGR	TIN-SAOG	CHE	GSI3	GSI	NF	480-885	37.5	15.1875	12	190582	310785	030885	170985	190985*	171085	241085	030286		030286
82-MCHR	TIN-SAOG	CHE	GSI3	GSI	NF	315-956	37.5	24.0375	12	090582	070885	030885	110985	180985*	171085	241085	030286		030286
TOTAL											98.	98.	98.	98.	98.	98.	98.	0.	98.
BACKLOG													0.	0.	0.	0.	0.	98.	
STAGE BACKLOG													0.	0.	0.	0.	0.	98.	

THE FILMS FOR THIS DATA SHOULD BE DISTRIBUTED IN MARCH.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	CHERRI BLK	FLANK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-TJLR	TIN-CHERRI	F	SDU	GSI	NF	200-600	37.5	15.0000	24	090884	010785	010785	160785	180785*	060885	270985	030286		030286
TOTAL											15.	15.	15.	15.	15.	15.	15.	0.	15.
BACKLOG													0.	0.	0.	0.	0.	15.	
STAGE BACKLOG													0.	0.	0.	0.	0.	15.	

THE FILMS FOR THIS DATA ARE WITH DRAFTING AND SHOULD BE DISTRIBUTED IN MARCH.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- FORTVILLE AREA

LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWY1	TIN-FORTVILL	SDU	DIG	NF	1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985	060186			
TOTAL										26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
BACKLOG													0.	0.	0.	0.	0.	26.	
STAGE BACKLOG													0.	0.	0.	0.	0.	26.	

THE FILM OF THIS LINE WILL BE DISTRIBUTED IN MARCH.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- PAXTON

LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWYR	TIN-PAXTON	SDU	FPU	NF	1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185	200286		
84-TNTR	TIN-PAXTON	SDU	FPU	NF	200-676	37.5	17.8500	12	180784	020785	070785	090785	110785*	140785	130985	201185	200286		
84-TNWR	TIN-PAXTON	SDU	FPU	NF	200-519	37.5	11.9625	12	170784	020785	070785	090785	110785*	140785	130985	201185	200286		
85-XWJ	TIN-PAXTON	SDU	FPU	NF	200-520	37.5	12.0000	48	120585	020785	070785	090785	110785*	140785	130985	041285	200286		
85-XWK	TIN-PAXTON	SDU	FPU	NF	200-546	37.5	12.9750	48	180585	020785	070785	090785	110785*	140785	130985	041285	200286		
85-XWL	TIN-PAXTON	SDU	FPU	NF	200-464	37.5	09.9000	48	150585	020785	070785	090785	110785*	140785	130985	041285	200286		
85-XWM	TIN-PAXTON	SDU	FPU	NF	200-494	37.5	11.0250	48	170585	020785	070785	090785	110785*	140785	130985	201185	200286		
85-XWN	TIN-PAXTON	SDU	FPU	NF	200-800	37.5	22.5000	48	140585	020785	070785	090785	110785*	140785	130985	041285	200286		
85-XWP	TIN-PAXTON	SDU	FPU	NF	200-410	37.5	07.8750	48	160585	020785	070785	090785	110785*	140785	130985	041285	200286		
85-XZY	TIN-PAXTON	SDU	FPU	NF	200-740	37.5	20.2500	48	200585	020785	070785	090785	110785*	140785	130985	201285	200286		
85-YET	TIN-PAXTON	SDU	FPU	NF	200-532	37.5	12.4500	48	030785	020785	070785	090785	110785*	140785	130985	041285	200286		
85-YEW	TIN-PAXTON	SDU	FPU	NF	200-546	37.5	12.9750	48	040785	020785	070785	090785	110785*	140785	130985	041285	200286		
85-YEX	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185	200286		
85-YEY	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	181185	200286		
85-YEZ	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	050785	020785	070785	090785	110785*	140785	130985	201185	200286		
85-YFA	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	181185	200286		
85-YFB	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185	200286		
85-YFC	TIN-PAXTON	SDU	FPU	NF	200-360	37.5	06.0000	48	060785	020785	070785	090785	110785*	140785	130985	201185	200286		
TOTAL										213.	213.	213.	213.	213.	213.	213.	213.	213.	0.
BACKLOG													0.	0.	0.	0.	0.	0.	
STAGE BACKLOG													0.	0.	0.	0.	0.	0.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS																
TIN- LINE	TOWANDA- BLK AREA	TUKINYA CREW PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNA	TIN-TOWANDA-	SDU	FPU NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186	
85-YNC	TIN-TOWANDA-	SDU	FPU NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186	
85-YND	TIN-TOWANDA-	SDU	FPU NF	200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085	300186	
85-YNE	TIN-TOWANDA-	SDU	FPU NF	200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085	300186	
85-YNG	TIN-TOWANDA-	SDU	FPU NF	200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285	300186	
85-YNH	TIN-TOWANDA-	SDU	FPU NF	200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285	300186	
85-YNM	TIN-TOWANDA-	SDU	FPU NF	200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085	300186	
85-YNN	TIN-TOWANDA-	SDU	FPU NF	200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085	300186	
85-YNP	TIN-TOWANDA-	SDU	FPU NF	200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085	300186	
85-YNQ	TIN-TOWANDA-	SDU	FPU NF	200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085	300186	
85-YNR	TIN-TOWANDA-	SDU	FPU NF	200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	201285	201285	300186	
85-YNT	TIN-TOWANDA-	SDU	FPU NF	200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285	300186	
TOTAL								118.	118.	118.	118.	118.	118.	118.	0.	0.
BACKLOG										0.	0.	0.	0.	0.	118.	
STAGE BACKLOG										0.	0.	0.	0.	0.	118.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS																
TIN- LINE	WEAK LEAD NO 3 BLK AREA	REGIONAL CREW PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNB	TIN-WEAK LEA	SDU	FPU NF	200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085	300186	
85-YNF	TIN-WEAK LEA	SDU	FPU NF	200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185	300186	
85-YNJ	TIN-WEAK LEA	SDU	FPU NF	200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085	300186	
85-YNL	TIN-WEAK LEA	SDU	FPU NF	200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085	300186	
TOTAL								54.	54.	54.	54.	54.	54.	54.	0.	0.
BACKLOG										0.	0.	0.	0.	0.	54.	
STAGE BACKLOG										0.	0.	0.	0.	0.	54.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS																
TIN- LINE	TAKARI BLK AREA	CREW PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNK	TIN-TAKARI	SDU	FPU NF	200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085	300186	
85-YNS	TIN-TAKARI	SDU	FPU NF	200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285	300186	
85-YNW	TIN-TAKARI	SDU	FPU NF	200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285	300186	
85-YNX	TIN-TAKARI	SDU	FPU NF	200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085	300186	
TOTAL								51.	51.	51.	51.	51.	51.	51.	0.	0.
BACKLOG										0.	0.	0.	0.	0.	51.	
STAGE BACKLOG										0.	0.	0.	0.	0.	51.	

THE FILMS FOR THIS DATA ARE WITH DRAFTING AND SHOULD BE DISTRIBUTED IN MARCH.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	TATARU BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNV	TIN-TATARU	SDU	FPU	NF	200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085	300186		
85-YNZ	TIN-TATARU	SDU	FPU	NF	200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085	300186		
85-YPA	TIN-TATARU	SDU	FPU	NF	200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085	300186		
85-YPB	TIN-TATARU	SDU	FPU	NF	200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085	300186		
85-YPC	TIN-TATARU	SDU	FPU	NF	200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085	300186		
TOTAL										26.	26.	26.	26.	26.	26.	26.	26.	0.
BACKLOG												0.	0.	0.	0.	0.	0.	26.
STAGE BACKLOG												0.	0.	0.	0.	0.	0.	26.

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0386

Interpretation Summary

Base

1985 Morphett-TT Seismic Survey

No interpretation undertaken.

Geophysical Map Issues

Composite Map	Tinga Tingana Block Cd, Pd, Zd, C-Pd, P-Zd	1:100,000 1:250,000	R. Gray 9/83
1985 Hogarth-TIN Seismic Survey	Paxton Area Ct, DNT, Zt	1:25,000	IBG 10/85
1985 Hogarth-TIN Seismic Survey	Eastern Tinga Tingana Ct, DNT, Zt	1:50,000	IBG 10/85
1984-Hogarth-TIN Seismic Survey	Towanda-Tukinya Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85
1984-Hogarth-TIN Seismic Survey	Cherri-Tataru Area Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

MARCH 1986

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Exploration Drilling Results
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SEISMIC ACQUISITION

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Seismic Acquisition Summary
Seismic Line List
Survey Line Index Map

SEISMIC PROCESSING

Processing Status Report

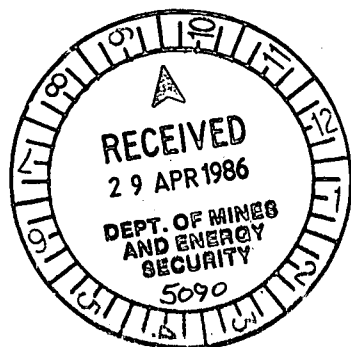
SEISMIC INTERPRETATION

Interpretation Summary
Geophysical Map Issues

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SA1 Group
Delhi Petroleum Pty Ltd
April 1986
DFL/111/6

Drilling

No wells are budgeted to be drilled in 1986.

Seismic Acquisition

No Seismic Acquisition is currently forecast to be recorded in 1986.

Seismic Processing

All lines from the 1985 Morphett-TIN Seismic Survey lines have been given film approval. The majority of films have been distributed and the remainder will be distributed in April.

Seismic Interpretation

No interpretation undertaken.

General

A review of the 1986 Budget is in progress in light of the current economic situation.

Programme Against BudgetDrilling

No wells are budgeted to be drilled in 1986.

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Fletcher-TIN	Base	200 km	200	0	0	0

TINGA TINGANA BLOCKDRILLING

Exploration Drilling Expenditure

No wells are budgeted to be drilled in 1986.

Exploration Drilling Results
(Cumulative to month end)

None.

Well Summary Reports
(For month)

None.

Seismic Line List

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
85-YNN	200 - 354	5.775
85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Fletcher-TIN	Base	660,000	660,000	2139	-	0

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Fletcher-TIN	Base	200	200	0	0	0	0

Seismic Acquisition Summary

General

The 1986 Fletcher-TIN Seismic Survey is unlikely to proceed.

Line Clearance

-

Surveying

-

Upholes

-

Recording

-

Statics

-

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

Tataru

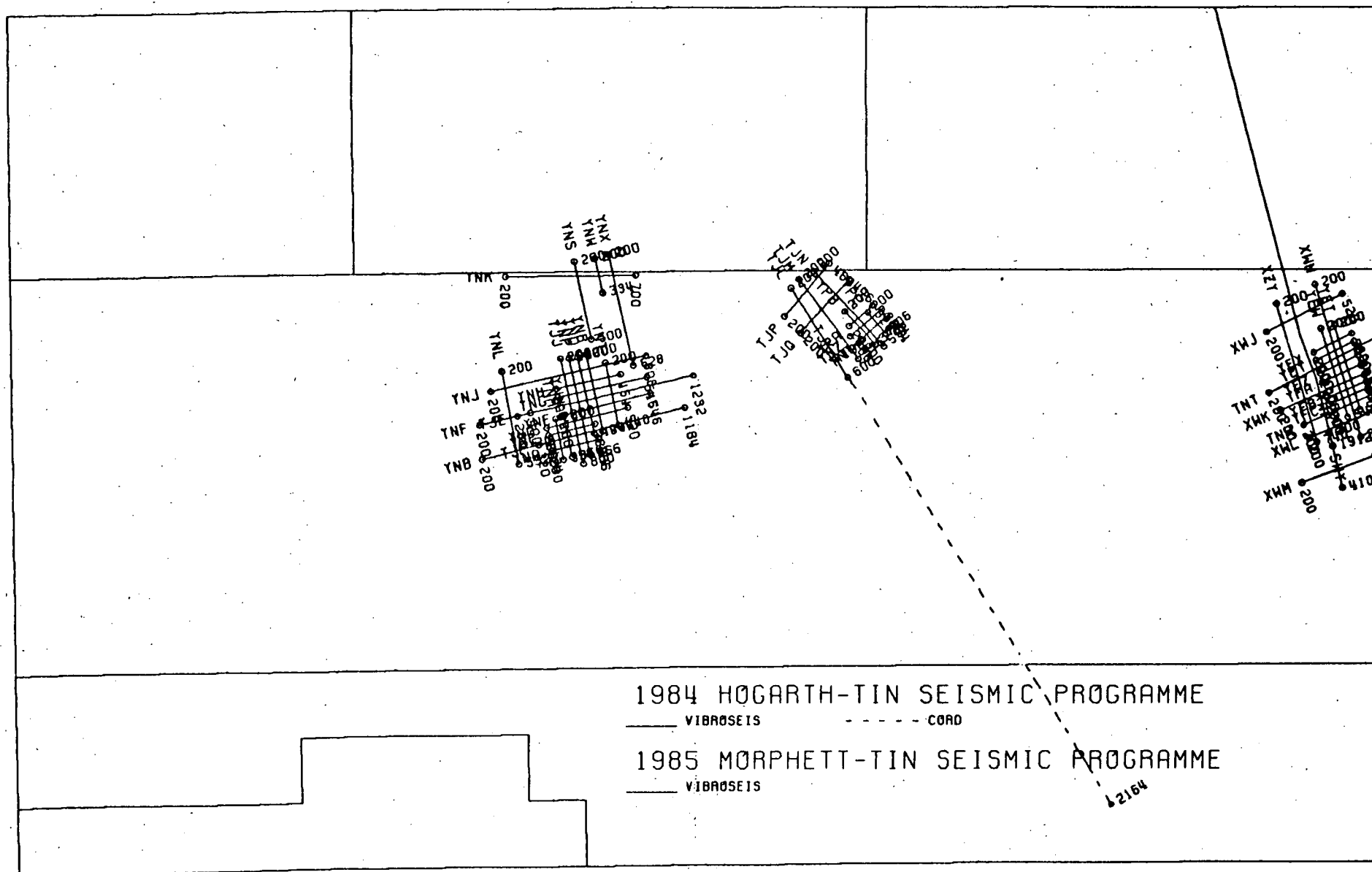
85-YNY	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

Total

406.500

28 40 00S



0392

29 45 00S

139.00 00E

SURVEY LINE INDEX

141 00 00E

PROCESSING STATUS REPORT

																		PAGE 1
TINGA	TINGANA																	
LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST
																		MIG
82-MCBR	TIN-SAOG	CHE	GS13	GS1	NF	100-362	37.5	09.8250	12	040582	310785	030885	110985	180935*	301085	121185	030286	110386
82-MCCR	TIN-SAOG	CHE	GS13	GS1	NF	100-530	37.5	16.1250	12	260582	310785	030885	110985	180985*	171085	181285	030286	110386
82-MCDR	TIN-SAOG	CHE	GS13	GS1	NF	102-726	37.5	23.4000	12	120582	120685	260685	100785	180785*	130885	270985	030286	110386
82-MCFR	TIN-SAOG	CHE	GS13	GS1	NF	560-823	37.5	09.8625	12	140582	310785	030885	110985	180985*	171085	241085	030286	110386
82-MCGP	TIN-SAOG	CHE	GS13	GS1	NF	480-885	37.5	15.1875	12	190582	310785	030885	170985	190985*	171085	241085	030286	110386
82-MCHR	TIN-SAOG	CHE	GS13	GS1	NF	315-956	37.5	24.0375	12	090582	070885	030885	110985	180985*	171085	241085	030286	110386
84-SWY1	TIN-FORTVILL	SDU	DIG	NF		1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985	060186	
84-SWYR	TIN-PAXTON	SDU	FPU	NF		1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185	
84-TJLR	TIN-CHERRI	F	SDU	GS1	NF	200-600	37.5	15.0000	24	090884	010785	010785	160785	180785*	060885	270985	030286	110386
85-YNA	TIN-TOWANDA-	SDU	FPU	NF		200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186	
85-YNB	TIN-WEAK	LEA	SDU	FPU	NF	200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085	300186	
85-YNC	TIN-TOWANDA-	SDU	FPU	NF		200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186	
85-YND	TIN-TOWANDA-	SDU	FPU	NF		200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085	300186	
85-YNE	TIN-TOWANDA-	SDU	FPU	NF		200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085	300186	
85-YNF	TIN-TOWANDA-	SDU	FPU	NF		200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185	300186	
85-YNG	TIN-TOWANDA-	SDU	FPU	NF		200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285	300186	
85-YNH	TIN-TOWANDA-	SDU	FPU	NF		200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285	300186	
85-YNJ	TIN-WEAK	LEA	SDU	FPU	NF	200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085	300186	
85-YNK	TIN-TAKARI	SDU	FPU	NF		200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085	300186	
85-YNL	TIN-WEAK	LEA	SDU	FPU	NF	200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085	300186	
85-YNM	TIN-TOWANDA-	SDU	FPU	NF		200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085	300186	
85-YNN	TIN-TOWANDA-	SDU	FPU	NF		200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085	300186	
85-YNP	TIN-TOWANDA-	SDU	FPU	NF		200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085	300186	
85-YNQ	TIN-TOWANDA-	SDU	FPU	NF		200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085	300186	
85-YNR	TIN-TOWANDA-	SDU	FPU	NF		200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	211085	201285	300186	
85-YNS	TIN-TAKARI	SDU	FPU	NF		200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285	300186	
85-YNT	TIN-TOWANDA-	SDU	FPU	NF		200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285	300186	
85-YNW	TIN-TAKARI	SDU	FPU	NF		200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285	300186	
85-YNX	TIN-TAKARI	SDU	FPU	NF		200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085	300186	
85-YNY	TIN-TATARU	SDU	FPU	NF		200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085	300186	
85-YNZ	TIN-TATARU	SDU	FPU	NF		200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085	300186	
85-YPA	TIN-TATARU	SDU	FPU	NF		200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085	300186	
85-YPB	TIN-TATARU	SDU	FPU	NF		200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085	300186	
85-YPC	TIN-TATARU	SDU	FPU	NF		200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085	300186	
TOTAL										413.	413.	413.	413.	413.	413.	413.	413.	113.
BACKLOG													0.	0.	0.	0.	0.	300.
STAGE BACKLOG													0.	0.	0.	0.	0.	300.

DELHI PETROLEUM Pty. Ltd. PROCESSING STATUS

PAGE 1

TINGA TINGANA BLK AREA	NOPE	PCR	FLD	GI	AQ.END	DPROC	STATIC	BRUTE	PRELIM	PRELMA	FINAL	FNL A	FILM R	FILM D	MIGR
TIN SAOG CHERRI	1343	GSI	12	37.5	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.	98.
TIN FORTVILLE AREA	1343	DIG	12	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
TIN PAXTON	1773	FPU	12	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
TIN CHERRI FLANK	1773	GSI	24	37.5	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
TIN TOWANDA-TUKINYA	1773	FPU	48	37.5	118.	118.	118.	118.	118.	118.	118.	118.	118.	0.	0.
TIN WEAK LEAD NO 3 REGIONAL	1773	FPU	48	37.5	54.	54.	54.	54.	54.	54.	54.	54.	54.	0.	0.
TIN TAKARI	1773	FPU	48	37.5	51.	51.	51.	51.	51.	51.	51.	51.	51.	0.	0.
TIN TATARU	1773	FPU	48	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
					413.	413.	413.	413.	413.	413.	413.	413.	413.	113.	113.

0395

TIN- LINE	SAOG BLK	CHERRI AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
82-MCBB	TIN-SAOG	CHE	GS13	GS1	NF 100-362	37.5	09.8250	12	040582	310785	030885	110985	180985*	301085	121185	030286	110386	030286
82-MCCR	TIN-SAOG	CHE	GS13	GS1	NF 100-530	37.5	16.1250	12	260582	310785	030885	110985	180985*	171085	181285	030286	110386	030286
82-MCDB	TIN-SAOG	CHE	GS13	GS1	NF 102-726	37.5	23.4000	12	120582	120685	260685	100785	180785*	130885	270985	030286	110386	030286
82-MCFR	TIN-SAOG	CHE	GS13	GS1	NF 560-823	37.5	09.8625	12	140532	310785	030885	110985	180985*	171085	241085	030286	110386	030286
82-MCGR	TIN-SAOG	CHE	GS13	GS1	NF 480-885	37.5	15.1875	12	190582	310785	030885	170985	190985*	171085	241085	030286	110386	030286
82-MCHR	TIN-SAOG	CHE	GS13	GS1	NF 315-956	37.5	24.0375	12	090582	070985	030885	110985	180985*	171085	241085	030286	110386	030286
TOTAL									98.	98.	98.	98.	98.	98.	98.	98.	98.	98.
BACKLOG											0.	0.	0.	0.	0.	0.	0.	0.
STAGE BACKLOG											0.	0.	0.	0.	0.	0.	0.	0.

THESE DATA WERE DISTRIBUTED DURING MARCH.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	FORTVILLE BLK	AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWY1	TIN-FORTVILL	SDU	DIG	NF	1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985	060186		
TOTAL									26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
BACKLOG											0.	0.	0.	0.	0.	0.	26.	
STAGE BACKLOG											0.	0.	0.	0.	0.	0.	26.	

THESE DATA WILL BE DISTRIBUTED DURING APRIL.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	PAXTON BLK	AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWYR	TIN-PAXTON	SDU	FPU	NF	1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185		
TOTAL									26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
BACKLOG											0.	0.	0.	0.	0.	0.	26.	
STAGE BACKLOG											0.	0.	0.	0.	0.	0.	26.	

THESE DATA WILL BE DISTRIBUTED DURING APRIL.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	CHERRI BLK	FLANK AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-TJLR	TIN-CHERRI	F SDU	GS1	NF	200-600	37.5	15.0000	24	090884	010785	010785	160785	180785*	060885	270985	030286	110386	030286
TOTAL									15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
BACKLOG											0.	0.	0.	0.	0.	0.	0.	
STAGE BACKLOG											0.	0.	0.	0.	0.	0.	0.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	TOWANDA-TUKINIA BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNA	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186		
85-YNC	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186		
85-YND	TIN-TOWANDA-	SDU	FPU	NF	200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085	300186		
85-YNE	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085	300186		
85-YNG	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285	300186		
85-YNH	TIN-TOWANDA-	SDU	FPU	NF	200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285	300186		
85-YNM	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085	300186		
85-YNN	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085	300186		
85-YNP	TIN-TOWANDA-	SDU	FPU	NF	200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085	300186		
85-YNQ	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085	300186		
85-YNR	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	201285	201285	300186		
85-YNT	TIN-TOWANDA-	SDU	FPU	NF	200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285	300186		
TOTAL									118.	118.	118.	118.	118.	118.	118.	118.	0.	0.
BACKLOG																	118.	
STAGE BACKLOG																	118.	

THESE DATA WILL BE DISTRIBUTED DURING APRIL.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	WEAK LEAD NO 3 REGIONAL BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNB	TIN-WEAK LEA	SDU	FPU	NF	200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085	300186		
85-YNF	TIN-WEAK LEA	SDU	FPU	NF	200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185	300186		
85-YNJ	TIN-WEAK LEA	SDU	FPU	NF	200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085	300186		
85-YNL	TIN-WEAK LEA	SDU	FPU	NF	200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085	300186		
TOTAL									54.	54.	54.	54.	54.	54.	54.	54.	0.	0.
BACKLOG																	54.	
STAGE BACKLOG																	54.	

THESE DATA WILL BE DISTRIBUTED DURING APRIL.

TIN- LINE	TAKARI BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNK	TIN-TAKARI	SDU	FPU	NF	200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085	300186		
85-YNS	TIN-TAKARI	SDU	FPU	NF	200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285	300186		
85-YNW	TIN-TAKARI	SDU	FPU	NF	200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285	300186		
85-YNX	TIN-TAKARI	SDU	FPU	NF	200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085	300186		
									51.	51.	51.	51.	51.	51.	51.	51.	0.	0.
TOTAL																		
BACKLOG																	51.	
STAGE BACKLOG																	51.	

THESE DATA WILL BE DISTRIBUTED DURING APRIL.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	TATARU BLK AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNV	TIN-TATARU	SDU	FPU	NF	200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085	300186		
85-YNZ	TIN-TATARU	SDU	FPU	NF	200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085	300186		
85-YPA	TIN-TATARU	SDU	FPU	NF	200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085	300186		
85-YPB	TIN-TATARU	SDU	FPU	NF	200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085	300186		
85-YPC	TIN-TATARU	SDU	FPU	NF	200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085	300186		
									26.	26.	26.	26.	26.	26.	26.	26.	0.	0.
TOTAL																		
BACKLOG																	26.	
STAGE BACKLOG																	26.	

THESE DATA WILL BE DISTRIBUTED DURING APRIL.

Interpretation Summary

Base

1985 Morphett-TT Seismic Survey

No interpretation undertaken.

Geophysical Map Issues

Composite Map	Tinga Tingana Block Cd, Pd, Zd, C-Pd, P-Zd	1:100,000 1:250,000	R. Gray 9/83
1985 Hogarth-TIN Seismic Survey	Paxton Area Ct, Dnt, Zt	1:25,000	IBG 10/85
1985 Hogarth-TIN Seismic Survey	Eastern Tinga Tingana Ct, Dnt, Zt	1:50,000	IBG 10/85
1984-Hogarth-TIN Seismic Survey	Towanda-Tukinya Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85
1984-Hogarth-TIN Seismic Survey	Cherri-Tataru Area Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85



400

TINGA TINGANA-BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

APRIL 1986

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SA1 Group
Delhi Petroleum Pty Ltd
May 1986
DFL/111/6

Drilling

No wells are budgeted to be drilled in 1986.

Seismic Acquisition

No Seismic Acquisition is currently forecast to be recorded in 1986.

Seismic Processing

All lines from the 1985 Morphet-TIN Seismic Survey have been distributed to Associates.

Seismic Interpretation

No interpretation undertaken.

General

A review of the 1986 Budget is in progress in light of the current economic situation.

Programme Against BudgetDrilling

No wells are budgeted to be drilled in 1986.

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Fletcher-TIN	Base	200 km	200	0	0	0

Exploration Drilling Expenditure

No wells are budgeted to be drilled in 1986.

Exploration Drilling Results
(Cumulative to month end)

None.

Well Summary Reports
(For month)

None.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Fletcher-TIN	Base	660,000	660,000	2139	-	0

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Fletcher-TIN	Base	200	200	0	0	0	0

Seismic Acquisition Summary

General

The 1986 Fletcher-TIN Seismic Survey is unlikely to proceed.

Line Clearance

-

Surveying

-

Upholes

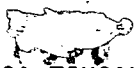
-

Recording

-

Statics

-

Seismic Line List

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Paxton

85-XWJ	200-520	12.000
85-XWK	200-546	12.975
85-XWL	200-464	9.900
85-XWM	200-494	11.025
85-XWN	200-800	22.500
85-XWP	200-410	7.875
85-XZY	200-740	20.250
85-YET	200-532	12.450
85-YEW	200-546	12.975
85-YEX	200-360	6.000
85-YEY	200-360	6.000
85-YEZ	200-360	6.000
85-YFA	200-360	6.000
85-YFB	200-360	6.000
85-YFC	200-360	6.000

157.950

Towanda/Tukinya

85-YNA	200 - 386	6.975
85-YNC	200 - 386	6.975
85-YND	200 - 520	12.000
85-YNE	200 - 546	12.975
85-YNG	200 - 546	12.975
85-YNH	200 - 454	9.525
85-YNM	200 - 354	5.775
85-YNN	200 - 354	5.775
85-YNP	200 - 566	13.725
85-YNQ	200 - 494	11.025
85-YNR	200 - 494	11.025
85-YNT	200 - 440	9.000

117.750

Takari

85-YNK	200 - 552	18.750
85-YNS	200 - 500	11.250
85-YNW	200 - 334	5.025
85-YNX	200 - 628	16.050

51.075

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

Seismic Line List (Cont.)

1985 Programme

BLOCK: TINGA TINGANA

NOPE: 1773

SURVEY: 1985 Morphett-TIN

Weak Lead No. 3/Regional

85-YNB	200 - 474	10.275
85-YNF	200 - 400	7.500
85-YNJ	200 - 806	22.725
85-YNL	200 - 552	13.200

53.700

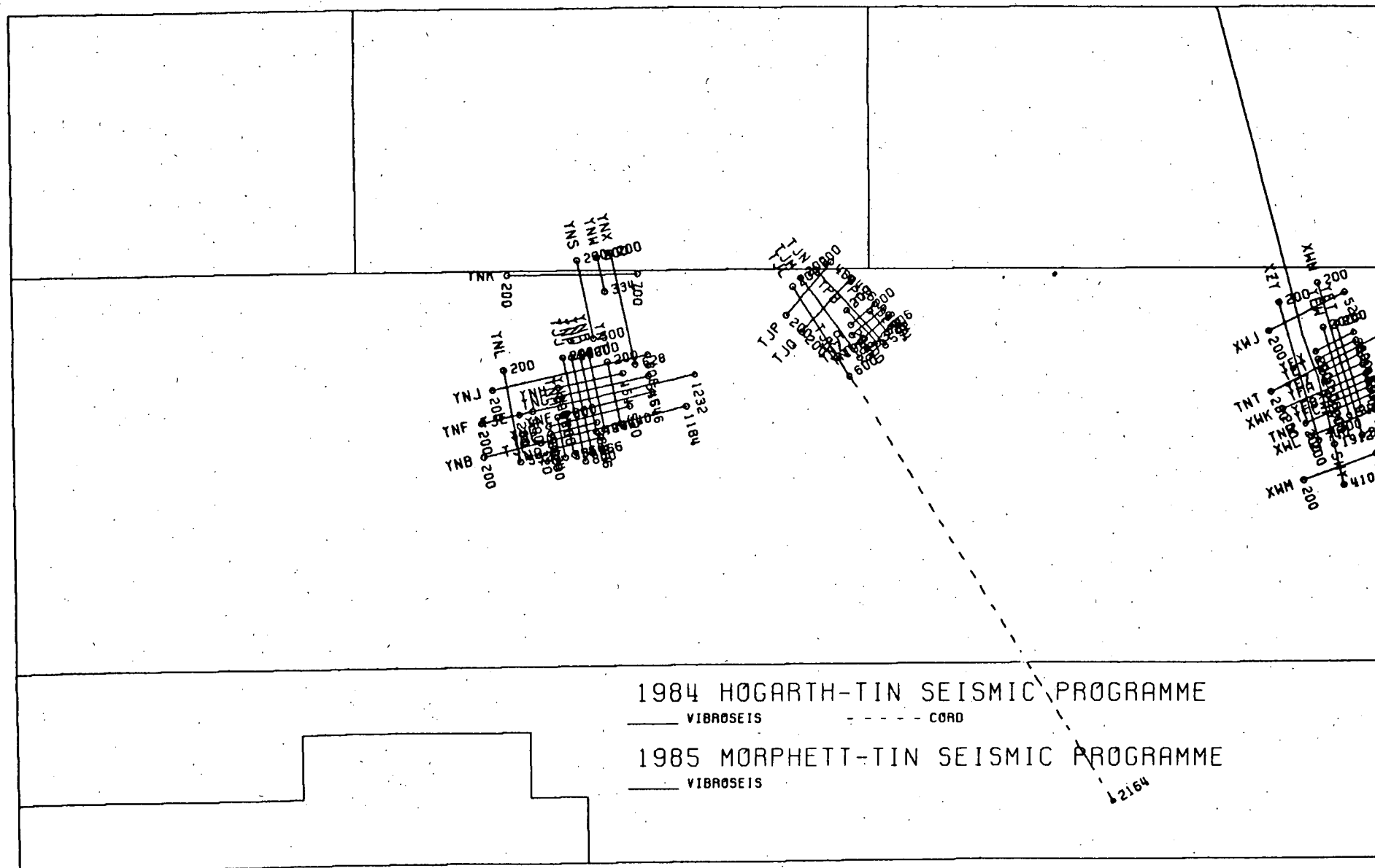
Tataru

85-YNY	200 - 334	5.025
85-YNZ	200 - 360	6.000
85-YPA	200 - 320	4.500
85-YPB	200 - 374	6.525
85-YPC	200 - 306	3.975

26.025

Total

406.500



0407

PROCESSING STATUS REPORT

TINGA TINGANA

PAGE 1

LINE	BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWY1	TIN-FORTVILL	SDU	DIG	NF	1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985	060186	100486		
84-SWYR	TIN-PAXTON	SDU	FPU	NF	1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185	200286		
85-YNA	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNB	TIN-WEAK LEA	SDU	FPU	NF	200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNC	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YND	TIN-TOWANDA-	SDU	FPU	NF	200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNE	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNF	TIN-WEAK LEA	SDU	FPU	NF	200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185	300186	230486		
85-YNG	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285	300186	230486		
85-YNH	TIN-TOWANDA-	SDU	FPU	NF	200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285	300186	230486		
85-YNJ	TIN-WEAK LEA	SDU	FPU	NF	200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNK	TIN-TAKARI	SDU	FPU	NF	200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNL	TIN-WEAK LEA	SDU	FPU	NF	200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNM	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNN	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNP	TIN-TOWANDA-	SDU	FPU	NF	200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNQ	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNR	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	201285	201285	300186	230486		
85-YNS	TIN-TAKARI	SDU	FPU	NF	200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285	300186	230486		
85-YNT	TIN-TOWANDA-	SDU	FPU	NF	200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285	300186	230486		
85-YNW	TIN-TAKARI	SDU	FPU	NF	200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285	300186	230486		
85-YNX	TIN-TAKARI	SDU	FPU	NF	200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085	300186	230486		
85-YNY	TIN-TATARU	SDU	FPU	NF	200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085	300186	230486		
85-YNZ	TIN-TATARU	SDU	FPU	NF	200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085	300186	230486		
85-YPA	TIN-TATARU	SDU	FPU	NF	200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085	300186	230486		
85-YPB	TIN-TATARU	SDU	FPU	NF	200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085	300186	230486		
85-YPC	TIN-TATARU	SDU	FPU	NF	200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085	300186	230486		
TOTAL										300.	300.	300.	300.	300.	300.	300.	300.	300.	0.
BACKLOG												0.	0.	0.	0.	0.	0.	0.	
STAGE BACKLOG												0.	0.	0.	0.	0.	0.	0.	

DELHI PETROLEUM Pty. Ltd. PROCESSING STATUS

TINGA TINGANA
BLK AREA

PAGE 1

	NOPE	PCR	FLD	GI	AQ.END	DPROC	STATIC	BRUTE	PRELIM	PRELMA	FINAL	FNL A	FILM R	FILM D	MIGR
TIN FORTVILLE AREA	1343	DIG	12	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.
TIN PAXTON	1773	FPU	12	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.
TIN TOWANDA-TUKINYA	1773	FPU	48	37.5	118.	118.	118.	118.	118.	118.	118.	118.	118.	118.	0.
TIN WEAK LEAD NO 3 REGIONAL	1773	FPU	48	37.5	54.	54.	54.	54.	54.	54.	54.	54.	54.	54.	0.
TIN TAKARI	1773	FPU	48	37.5	51.	51.	51.	51.	51.	51.	51.	51.	51.	51.	0.
TIN TATARU	1773	FPU	48	37.5	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	0.
					300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	0.

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- FORTVILLE AREA

LINE	BLK	AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWY1	TIN-FORTVILL	SDU	DIG	NF	1219-1901	37.5	25.5750	12	140784	091084	151084	141284	201284*	200385	040985	060186	100486	
TOTAL									26.	26.	26.	26.	26.	26.	26.	26.	26.	0.
BACKLOG									0.	0.	0.	0.	0.	0.	0.	0.	0.	
STAGE BACKLOG									0.	0.	0.	0.	0.	0.	0.	0.	0.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- PAXTON

LINE	BLK	AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
84-SWYR	TIN-PAXTON	SDU	FPU	NF	1219-1901	37.5	25.5750	12	140784	020785	070785	090785	110785*	140785	130985	201185	200286	
TOTAL									26.	26.	26.	26.	26.	26.	26.	26.	26.	0.
BACKLOG									0.	0.	0.	0.	0.	0.	0.	0.	0.	
STAGE BACKLOG									0.	0.	0.	0.	0.	0.	0.	0.	0.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- TOWANDA-TUKINYA

LINE	BLK	AREA	CREW	PC	QC STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNA	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNC	TIN-TOWANDA-	SDU	FPU	NF	200-386	37.5	06.9750	48	150885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YND	TIN-TOWANDA-	SDU	FPU	NF	200-520	37.5	12.0000	48	170885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNE	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	180885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNG	TIN-TOWANDA-	SDU	FPU	NF	200-546	37.5	12.9750	48	230885	010985	010985	011085	011085*	201285	201285	300186	230486	
85-YNH	TIN-TOWANDA-	SDU	FPU	NF	200-454	37.5	09.5250	48	240885	010985	010985	011085	011085*	201285	201285	300186	230486	
85-YNM	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	140885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNN	TIN-TOWANDA-	SDU	FPU	NF	200-354	37.5	05.7750	48	160885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNP	TIN-TOWANDA-	SDU	FPU	NF	200-566	37.5	13.7250	48	190885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNQ	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	200885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNR	TIN-TOWANDA-	SDU	FPU	NF	200-494	37.5	11.0250	48	210885	010985	010985	011085	011085*	201285	201285	300186	230486	
85-YNT	TIN-TOWANDA-	SDU	FPU	NF	200-440	37.5	09.0000	48	220885	010985	010985	011085	011085*	211085	201285	300186	230486	
TOTAL									118.	118.	118.	118.	118.	118.	118.	118.	118.	0.
BACKLOG									0.	0.	0.	0.	0.	0.	0.	0.	0.	
STAGE BACKLOG									0.	0.	0.	0.	0.	0.	0.	0.	0.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	WEAK BLK	LEAD NO 3 AREA	REGIONAL CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNB	TIN-WEAK	LEA	SDU	FPU	NF	200-474	37.5	10.2750	48	140885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNF	TIN-WEAK	LEA	SDU	FPU	NF	200-400	37.5	07.5000	48	130885	010985	010985	011085	011085*	161185	291185	300186	230486	
85-YNJ	TIN-WEAK	LEA	SDU	FPU	NF	200-806	37.5	22.7250	48	110885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNL	TIN-WEAK	LEA	SDU	FPU	NF	200-552	37.5	13.2000	48	120885	010985	010985	011085	011085*	211085	291085	300186	230486	
TOTAL										54.	54.	54.	54.	54.	54.	54.	54.	54.	0.
BACKLOG												0.	0.	0.	0.	0.	0.	0.	
STAGE BACKLOG												0.	0.	0.	0.	0.	0.	0.	

THE FILMS FOR THIS AREA WERE DISTRIBUTED IN APRIL.

DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	TAKARI																	
BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNK	TIN-TAKARI	SDU	FPU	NF	200-552	37.5	18.7500	48	090885	010985	010985	011085	011085*	211085	291085	300186	230486	
85-YNS	TIN-TAKARI	SDU	FPU	NF	200-500	37.5	11.2500	48	090885	010985	010985	011085	011085*	211085	201285	300186	230486	
85-YNW	TIN-TAKARI	SDU	FPU	NF	200-334	37.5	05.0250	48	070885	010985	010985	011085	011085*	211085	201285	300186	230486	
85-YNX	TIN-TAKARI	SDU	FPU	NF	200-628	37.5	16.0500	48	070885	010985	010985	011085	011085*	211085	291085	300186	230486	
TOTAL										51.	51.	51.	51.	51.	51.	51.	51.	0.
BACKLOG												0.	0.	0.	0.	0.	0.	
STAGE BACKLOG												0.	0.	0.	0.	0.	0.	

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DELHI PETROLEUM Pty.Ltd. PROCESSING STATUS

TIN- LINE	TATARU																	
BLK	AREA	CREW	PC	QC	STATIONS	GI	KMS	FOLD	ACQ	DPROC	SPROC	BRUTE	PRELIM	FINAL	FLMAPP	FILMR	DIST	MIG
85-YNY	TIN-TATARU	SDU	FPU	NF	200-334	37.5	05.0250	48	260885	230985	230985	011085	011085*	211085	291085	300186	230486	
85-YNZ	TIN-TATARU	SDU	FPU	NF	200-360	37.5	06.0000	48	250885	230985	230985	011085	011085*	211085	291085	300186	230486	
85-YPA	TIN-TATARU	SDU	FPU	NF	200-320	37.5	04.5000	48	240885	230985	230985	011085	011085*	211085	291085	300186	230486	
85-YPB	TIN-TATARU	SDU	FPU	NF	200-374	37.5	06.5250	48	260885	230985	230985	011085	011085*	211085	291085	300186	230486	
85-YPC	TIN-TATARU	SDU	FPU	NF	200-306	37.5	03.9750	48	250885	230985	230985	011085	011085*	211085	291085	300186	230486	
TOTAL										26.	26.	26.	26.	26.	26.	26.	26.	0.
BACKLOG												0.	0.	0.	0.	0.	0.	
STAGE BACKLOG												0.	0.	0.	0.	0.	0.	

THE FILMS FOR THIS AREA WERE DISTRIBUTED IN APRIL.

Interpretation Summary

Base

1985 Morphet-TT Seismic Survey

No interpretation undertaken.

Geophysical Map Issues

Composite Map	Tinga Tingana Block Cd, Pd, Zd, C-Pd, P-Zd	1:100,000 1:250,000	R. Gray 9/83
1985 Hogarth-TIN Seismic Survey	Paxton Area Ct, Dnt, Zt	1:25,000	IBG 10/85
1985 Hogarth-TIN Seismic Survey	Eastern Tinga Tingana Ct, Dnt, Zt	1:50,000	IBG 10/85
1984-Hogarth-TIN Seismic Survey	Towanda-Tukinya Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85
1984-Hogarth-TIN Seismic Survey	Cherri-Tataru Area Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85

TINGA TINGANA BLOCK, PEL 5 & 6 SA

EXPLORATION REPORT

MAY 1986

CONTENTS

SUMMARY AND HIGHLIGHTS

DRILLING

Exploration Drilling Expenditure
Exploration Drilling Results
Well Summary Reports

SEISMIC ACQUISITION

Seismic Expenditure
Seismic Acquisition Table
Seismic Acquisition Summary
Seismic Line List
Survey Line Index Map

SEISMIC PROCESSING

Processing Status Report

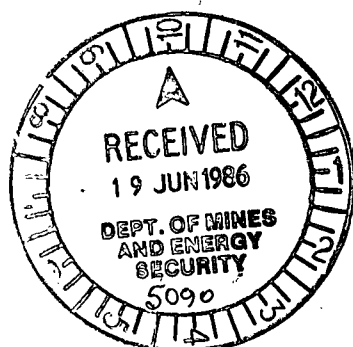
SEISMIC INTERPRETATION

Interpretation Summary
Geophysical Map Issues

DISTRIBUTION (16)

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SAOGC
Hartogen
South Australia Department of Mines & Energy



SA1 Group
Delhi Petroleum Pty Ltd
June 1986
BJS/C11/111/6

Drilling

No wells are budgeted to be drilled in 1986.

Seismic Acquisition

No Seismic Acquisition is currently forecast to be recorded in 1986.

Seismic Processing

All lines from the 1985 Morphett-TIN Seismic Survey have been distributed to Associates.

Seismic Interpretation

No interpretation undertaken.

General

-

Programme Against BudgetDrilling

No wells are budgeted to be drilled in 1986.

Seismic

Survey	Status	Original Budget	Amended Budget	Recorded End Month	Recorded Month	Forecast Annual
Fletcher-TIN	Base	200 km	200	0	0	0

TINGA TINGANA BLOCK

DRILLING

MAY 1986

Exploration Drilling Expenditure

No wells are budgeted to be drilled in 1986.

Exploration Drilling Results
(Cumulative to month end)

None.

Well Summary Reports
(For month)

None.

TINGA TINGANA BLOCK

SEISMIC ACQUISITION

MAY 1986

Seismic Expenditure

Survey	Status	Budget \$	Amend. \$	NOPE	NOPE \$	Forecast
Fletcher-TIN	Base	660,000	660,000	2139	-	0

Seismic Acquisition Table

Survey	Status	Budget km	Amend. km	Forecast km	Month km	To Date km	Remain. km
Fletcher-TIN	Base	200	200	0	0	0	0

Seismic Acquisition SummaryGeneral

The 1986 Fletcher-TIN Seismic Survey is unlikely to proceed.

Line Clearance

-

Surveying

-

Upholes

-

Recording

-

Statics

-

8119:3

0417

PROCESSING STATUS REPORT

0418

TINGA TINGANA BLOCK

PROCESSING STATUS

MAY 1986

1985 Morphett-TIN Seismic Survey processing is completed.

Interpretation Summary

Base

1985 Morphett-TT Seismic Survey

No interpretation undertaken.

Geophysical Map Issues

Composite Map	Tinga Tingana Block Cd, Pd, Zd, C-Pd, P-Zd	1:100,000 1:250,000	R. Gray 9/83
1985 Hogarth-TIN Seismic Survey	Paxton Area Ct, DNT, Zt	1:25,000	IBG 10/85
1985 Hogarth-TIN Seismic Survey	Eastern Tinga Tingana Ct, DNT, Zt	1:50,000	IBG 10/85
1984-Hogarth-TIN Seismic Survey	Towanda-Tukinya Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85
1984-Hogarth-TIN Seismic Survey	Cherri-Tataru Area Ct, Pt, Zt, C-Pt, P-Zt	1:50,000	LHE 12/85

00420

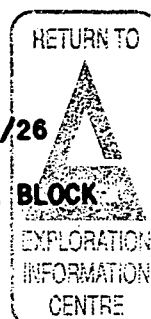
G.R. WOOD
JULY, 1992.

886102

PALYNOLOGICAL REPORT NO. 1992/26

KEROGEN ANALYSIS - TINGA TINGANA

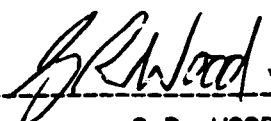
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INTRODUCTION

Core samples from Tinga Tingana No.1, Cherri No.1, Weena No.1, Gurra No.1 and Kumbarie No.1 have been examined palynologically to determine the palynostratigraphy, hydrocarbon source rock potential and thermal maturity. The results of the kerogen study are summarised on Table 1 and presented in more detail on Table 3. Palynostratigraphic results are presented on Table 2 and charts depicting the palynostratigraphical schemes adopted and the known relationships of the palynostratigraphy to the rock units are presented on Charts 2 and 3. Range charts of the species identified in this study are presented in Appendix 1.

The samples used in the current study are all cores, and as such have particular advantages for data quality. They are the product of 'in place' sampling - they can be accurately located in the well section, and are not (or are only rarely) subject to the potential problems of cutting samples : cavings, mud contamination, etc. Samples from Tinga Tingana No. 1, Weena No. 1, and Gurra No. 1 were assessed for palynological age determination. Samples from Kumbarie No. 1 and Cherri No. 1 were not studied as existing palynostratigraphic data located these within the Early Permian PP3.2 unit.



G.R. WOOD

KEROGEN STUDY (SOURCE ROCK POTENTIAL)

Palynological analyses contribute to characterising the maturity, amount, and type of organic matter in a rock, and thus determining potential, effective, and post-mature source rocks. Generation of hydrocarbons from the organic matter of potential source rocks occurs with increased maturity of the organic matter as it is heated during burial. With progressive heating the colour of the organic matter changes from yellow through orange and brown to black. These colour changes can be calibrated against other measures of hydrocarbon generation e.g. vitrinite reflectance. Measurement of the volume of organic matter recovered after demineralization of the samples provides a guide as to whether the sediments contained sufficient organic matter as to be considered as potential sources of significant amounts of hydrocarbons. Volumetric measurements have been equated to ranges of total organic carbon measurements, thus: 'extremely low' = <0.2% T.O.C., 'very low' = 0.1 to 0.6% T.O.C., 'low' = 0.3 to 1.0% T.O.C., etc. Measurements of 'very low', but mainly 'low' and above indicate possible source rocks.

Analysis of the proportions of the different types of organic matter recovered from the palynological processing of samples allows determinations of the types of hydrocarbons that the samples could/could have generated on reaching a sufficient maturity level.

Chart 1 summarizes the foregoing in a generalized format.

On Table 1 the vertical axis shows the volumetric yield of organic matter from the rock sample, the horizontal axis shows the relative oil-generative potential of the organic matter (given that virtually all types of organic matter will generate gas, as a primary, and in part, for some, as a secondary product after oil); the oil potential relates to the proportion and type, size class, etc., of macerals determined by transmitted light microscopy. Each axis of the chart is divided into five, giving twenty-five squares to indicate kerogen quantity and quality. Positions of points plotted within each square do not indicate further subdivision of kerogen quantity and quality.

All samples from Pre-Permian sequences in Gurra No.1, Cherri No.1 and Kumbarie No.1 yielded only extremely low amounts of hydrogen lean organic matter and therefore are not considered as potential source rocks. No identifiable palynomorphs were recovered from these samples.

TABLE 1

AMOUNT OF ORGANIC MATTER	HI	K	TTCW	TW		
	MOD		TTW			
	LO	TTTC	TTCCW			
	V. LO	C		T		
	E. LO					

15

30

50

75

OIL POTENTIAL**GAS POTENTIAL****TYPE OF ORGANIC MATTER****LEGEND**

T Tinga Tingana

C Cherri

W Weena

K Kumbarie

PALYNOLOGICAL ORGANIC MATTER ANALYSIS PLOT
PATCHAWARRA FORMATION

Interpretation :

Date :

FIG.

Drawn :

Drawing No. :

File No.

PALYNOSTRATIGRAPHICAL DATA TABLE 2

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PAGE 1 OF 2

SAMPLE	DEPTH feet metres	PALYNOSTRATIGRAPHICAL UNIT [age]	INFERRED STRATIGRAPHICAL UNIT	REWORKED PALYNOSTRATIGRAPHICAL % AGE		PRESERVATION	YIELD	DIVERSITY	REMARKS
				%	AGE				
FHC	4840	PP3.1-PP3.2 (Early Permian)	Basal Epsilon Fm to upper Patchawarra Fm			GOOD	MOD.	LOW	<u>L. directus</u> / <u>M. tentula</u> abundant, bisaccate pollen common. <u>R. nigrifellus</u> frequent. <u>P. cicatricosus</u> , <u>I. robusta</u> and <u>G. trisinus</u> present.
FHC	4841	PP3.2 (Early Permian)				GOOD	MOD.	MOD.	Bisaccate pollen and cavate/zonate spores abundant, <u>G. micronodosus</u> and <u>M.</u> <u>triradiatus</u> frequent. <u>P. cicatricosus</u> and <u>P. sinuosus</u> present.
FHC	4846	PP3.2 (Early Permian)				GOOD	HIGH	MOD.	Bisaccate pollen and <u>M. tentula</u> abundant, <u>M. triradiatus</u> common. <u>G.</u> <u>trisinus</u> frequent. <u>P. cicatricosus</u> and <u>P. sinuosus</u> present.
FHC	4866	PP3.2 (Early Permian)				GOOD	HIGH	MOD.	Bisaccate pollen abundant, <u>M. tentula</u> and <u>M. triradiatus</u> common. <u>Granulatisporites</u> suite prominent. <u>P.</u> <u>cicatricosus</u> and <u>P. sinuosus</u> present.
FHC	5202	LOWER PP2.2.3 (Early Permian)	Upper Patchawarra Fm			FAIR	MOD.	LOW	Bisaccate pollen abundant, Marsupipollenites spp. frequent. <u>G.</u> <u>trisinus</u> , <u>I. robusta</u> and <u>G.</u> <u>ewingtonensis</u> present.
FHC	5208	LOWER PP2.2.3 (Early Permian)				GOOD	HIGH	MOD	<u>M. striatus</u> abundant, striate bisaccate pollen, cavate/zonate spores and <u>Granulatisporites</u> spp. common.
FHC	5531	PP2 (Early Permian)	Patchawarra Fm.			GOOD	MOD.	MOD.	Bisaccate and monosaccate pollen abundant, <u>M. tentula</u> and <u>P.</u> <u>pseudoreticulata</u> common. <u>G. trisinus</u> , <u>P. hamatus</u> and <u>A. clarus</u> present.
FHC	5537	PP2.2.1	Middle Patchawarra			GOOD	MOD.	MOD.	Bisaccate pollen abundant, <u>M. tentula</u> and <u>P. pseudoreticulata</u> common. <u>G.</u> <u>trisinus</u> , <u>P. hamatus</u> and <u>A. clarus</u> present.

00424

TABLE 2

WEENA NO.1

SAMPLE	DEPTH feet metres	PALYNOSTRATIGRAPHICAL UNIT	PALYNOSTRATIGRAPHICAL UNIT [age]	INFERRED STRATIGRAPHICAL UNIT	REWORKED PALYNOMORPH %	AGE	PRESERVATION	YIELD	DIVERSITY	REMARKS
FHC	4792	PP2.2 (Early Permian)		Patchawarra Fm			GOOD	MOD.	MOD.	Bisaccate pollen abundant, <u>M. tentula</u> common, <u>A. tereteangulatus</u> and <u>Marsupipollenites</u> spp. frequent. <u>G. trisinus</u> present.
FHC	4795	PP2.2.1 (Early Permian)		Middle Patchawarra Fm			GOOD	MOD.	MOD.	Monosaccate and Striate bisaccate pollen abundant, <u>Verrucosisporites</u> spp. and <u>Marsupipollenites</u> spp. common. <u>G. trisinus</u> present.
FHC	4800	PP2.2.1 (Early Permian)		Middle Patchawarra Fm			GOOD	MOD.	MOD.	Bisaccate and monosaccate pollen abundant, apiculate spores common. <u>M. striatus</u> frequent. <u>G. trisinus</u> present.
FHC	4892	PP2.2.1 (Early Permian)					GOOD	MOD.	MOD.	Apiculate spores and Bisaccate pollen abundant, <u>Verrucosisporites</u> spp and <u>M. striatus</u> common. <u>G. trisinus</u> present.

00425



PALYNOSTRATIGRAPHICAL DATA

TABLE 2

SAMPLE	DEPTH feet metres	PALYNOSTRATIGRAPHICAL UNIT [age]	INFERRED STRATIGRAPHICAL UNIT	REWORKED PALYNOMORPH		PRESER- VATION	YIELD	DIVERSITY	REMARKS
				%	AGE				
FHC	4686	-	-						NO IDENTIFIABLE PALYNOMORPHS RECOVERED

00426

PALYNOFACIES DATA

REPORT NO. 1992/26

PAGE 1 OF 2

TABLE 3

SAMPLE	DEPTH feet metres	LITHOLOGY	ROCK UNIT	Dense Amorphous	Gelostic Algae	Miospores & Cuticle	Diffuse Sapropelic	Fine Sapropelic	Fluffy Amorphous	Fine Humic	Humic Unstructured	Humic Cuticle	Vitrinite etc.	Oxidized Cuticle	Fusain etc.	SPORE COLOUR as an estimate of vitrinite reflect %	Immature	Main Oil Zone	Wet Gas & Condensate Zone	Wet Gas ↓ Dry Gas Zone	ORGANIC RESIDUE YIELD	REMARKS
FHC	4840	COAL	UPPER PATCHAWARRA			25					30		45			LT ORANGE, 0.4-0.5% Rve, EARLY MATURE	K				E. HIGH	FLUOR. DATA MBO-BY. GAS PRONE WITH SOME OIL POTENTIAL
FHC	4841	SHALE GRADING TO COAL				20	5	5			20		50								V. HIGH	DO-BYG. GAS PRONE WITH SOME OIL POTENTIAL
FHC	4846	INTERLAMINATED SHALE AND SILTSTONE				15		5		10	30		40								MOD.	MBO-BYG. GAS PRONE WITH LIMITED OIL POTENTIAL
FHC	4851	SHALE				15	+	+		15	30		40								V. HIGH	DO-BYG. GAS PRONE WITH LIMITED OIL POTENTIAL
FHC	4866	SHALE				15		+		15	25		45								MOD.	MBO-BYG. GAS PRONE WITH LIMITED OIL POTENTIAL
FHC	5202	INTERLAMINATED SHALE AND SANDSTONE				20	5	5		15	5		50								V. LOW	DO-BYG. GAS PRONE WITH SOME OIL POTENTIAL
FHC	5205	SILTSTONE				5	5	10		30	+		50								LOW	DO-BYG. GAS PRONE WITH LIMITED OIL POTENTIAL
00427																						

00427



SAMPLE	DEPTH feet metres	LITHOLOGY	ROCK UNIT	Dense Amorphous	Geloidic Algae	Miospores & Cuticle	Diffuse Saproretic	Fine Saproretic	Fluffy Amorphous	Fine Humic	Humic Unstructured	Humic Cuticle	Vitrinite etc.	Oxidized Cuticle	Fusain etc.	SPORE COLOUR as an estimate of vitrinite reflect.	Immature	Main Oil Zone	Wet Gas & Condensate Zone	Wet Gas ↓ Dry Gas Zone	ORGANIC RESIDUE YIELD	REMARKS
FHC	5208	INTERLAMINATED SILTSTONE AND SANDSTONE	UPPER PATCHAWARRA			10 5	+	+		60			25								LOW	DO-BYG. GAS PRONE WITH LIMITED OIL POTENTIAL
FHC	5531	SILTSTONE	MIDDLE PATCHAWARRA			10 +	+	+		45	5	10	30				LT ORANGE, 0.5%Rve, V.EARLY MATURE	K			LOW	BO-BYG. GAS PRONE WITH VERY LIMITED OIL POTENTIAL
FHC	5537	SILTSTONE				5 10				35	15		35								LOW	DO-BYG. GAS PRONE WITH VERY LIMITED OIL POTENTIAL
FHC	5537.8	SHALE WITH SANDY LENSES				5				20	50		25								LOW	DO-BYG. GAS PRONE

00428

PALYNOFACIES DATA

TABLE 3

WEENA NO.1

REPORT NO. 1992/26

PAGE 1 OF 1

SAMPLE	DEPTH feet metres	LITHOLOGY	ROCK UNIT	Dense Amorphous	Geliosic Algae	Miospores & Cuticle	Diffuse Sapropelic	Fine Sapropelic	Fluffy Amorphous	Fine Humic	Humic Unstructured	Humic Cuticle	Vitrinite etc.	Oxidized Cuticle	Fusain etc.	SPORE COLOUR as an estimate of vitrinite reflect %	Immature	Main Oil Zone	Wet Gas & Condensate Zone	Wet Gas → Dry Gas Zone	ORGANIC RESIDUE YIELD	REMARKS
FHC	4792'6	Conglomerate, silty predominantly dark grey pebbles	MIDDLE PATCHAWARRA			20						10	70				LIGHT ORANGE 0.5% Rve, V. EARLY MATURE				HIGH	Fluor. data BOG-BY. Limited oil potential
FHC	4795'8	Siltstone, greyish black with carbonaceous flecks				15		10		70			5								MOD	DO-BYG. Gas prone with some oil potential
FHC	4800'	Conglomerate, dark grey, streak of coal, pebbly				20						5	75								LOW	BOG-BYG. Gas prone with limited oil potential
FHC	4892'2	Siltstone, dark grey with coal flecks, very carbonaceous				25	5	+		15		5	50								V. HIGH	DO-BOG. Gas prone with some oil potential

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* See text for additional comments

PALYNOFACIES DATA

TABLE 3

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PAGE 1 OF 1

SAMPLE	DEPTH feet metres	LITHOLOGY	ROCK UNIT	Dense Amorphous	Gelostic Algae	Miospores & Cuticle	Diffuse Saproelic	Fine Saproelic	Fluffy Amorphous	Fine Humic	Humic Unstructured	Humic Cuticle	Vitrinite etc.	Oxidized Cuticle	Fusain etc.	SPORE COLOUR as an estimate of vitrinite reflect %	Immature	Main Oil Zone	Wet Gas & Condensate Zone	Wet Gas → Dry Gas Zone	ORGANIC RESIDUE YIELD	REMARKS
FHC	4686	Shale	Basement																		EXT. LOW	Not a source rock

00430

SAMPLE	DEPTH feet metres	LITHOLOGY	ROCK UNIT	Dense Amorphous	Gelasic Algae	Miospores & Cuticle	Diffuse Sapropelic	Fine Sapropelic	Fluffy Amorphous	Fine Humic	Humic Unstructured	Humic Cuticle	Vitrinite etc.	Oxidized Cuticle	Fusain etc.	SPORE COLOUR as an estimate of vitrinite reflect %	Immature	Main Oil Zone	Wet Gas & Condensate Zone	Wet Gas → Dry Gas Zone	ORGANIC RESIDUE YIELD	REMARKS
FHC	4232	Siltstone with interlaminated sandstone	UPPER PATCHAWARRA		+	15				5		45 35				LT ORANGE, 0.4-0.5% Rve, V. EARLY MATURE					V.HIGH	Gas prone with limited oil potential.
FHC	4584	Shale	BASEMENT																		E.LOW	Not a source rock.
FHC	4593	Shale																			E.LOW	Not a source rock.

00431

PALYNOFACIES DATA

TABLE 3

REPORT NO. 1992/26

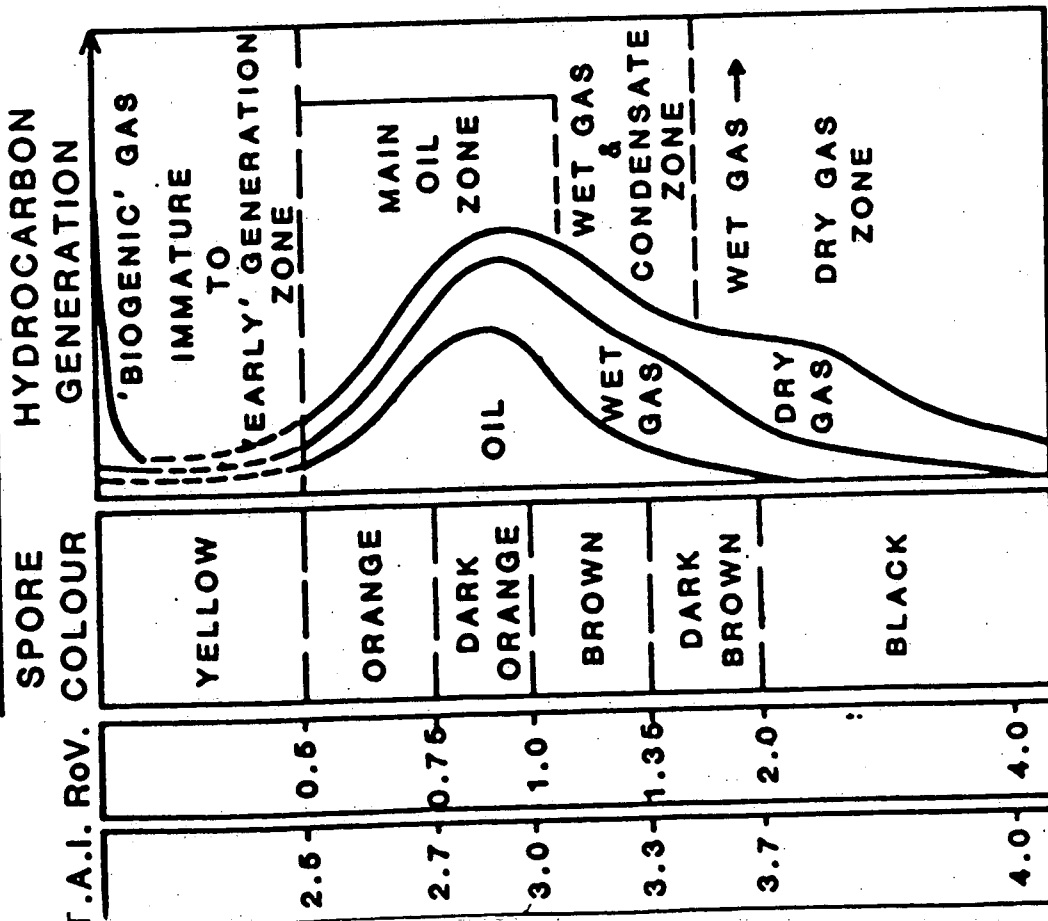
PAGE 1 OF 1

SAMPLE	DEPTH feet metres	LITHOLOGY	ROCK UNIT	Dense Amorphous	Geliosic Algae	Miospores & Cuticle	Diffuse Saproelic	Fine Saproelic	Fluffy Amorphous	Fine Humic	Humic Unstructured	Humic Cuticle	Vitrinite etc.	Oxidized Cuticle	Fusain etc.	SPORE COLOUR as an estimate of vitrinite reflect %	Immature	Main Oil Zone	Wet Gas & Condensate Zone	Wet Gas → Dry Gas Zone	ORGANIC RESIDUE YIELD	REMARKS
FHC	4839	Siltstone with sandstone stringers	UPPER PATCHAWARRA			+						30 70					LIGHT ORANGE 0.5% Rve, V. EARLY MATURE				V. HIGH	Fluor. data DO-MBO. Gas prone
FHC	5526	Shale	PRE-PERMIAN																		E. LOW	Not a source rock

00432

REFERENCE CHART : PALYNOLOGICAL KEROGEN ANALYSIS

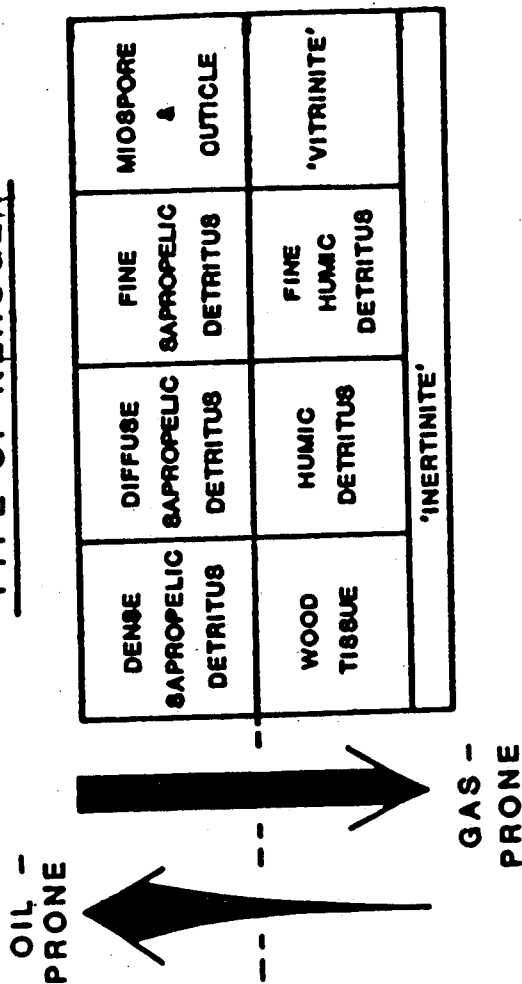
MATURITY OF KEROGEN



THIS IS A GUIDE - VARIATION IN KEROGEN TYPES & OTHER FACTORS WILL CAUSE DIFFERENT GENERATION HISTORIES.

N.B. IT IS PREFERABLE FOR COMPLEMENTARY ANALYSES TO BE USED TO FULLY DETAIL SOURCE ROCK POTENTIAL AND MATURITY.

TYPE OF KEROGEN



AMOUNT OF KEROGEN

ACID INSOLUBLE ORGANIC YIELD	EQUIVALENT TOTAL ORGANIC CARBON
EXTREMELY LOW	≤ 0.2%
VERY LOW	0.1 - 0.6%
LOW	0.3 - 1.0%
MODERATE	0.7 - 2.0%
HIGH	1.3 - 2.5%
VERY HIGH	> 1.6%

THE OFTEN QUOTED 'MINIMUM' FOR A SOURCE ROCK OF 0.5wt.% = VERY LOW TO LOW ON THE SCALE ABOVE.

LATE CARBONIFEROUS / PERMIAN NOMENCLATURE

* Adapted from Price et al. (1985)

00434
CHART 2

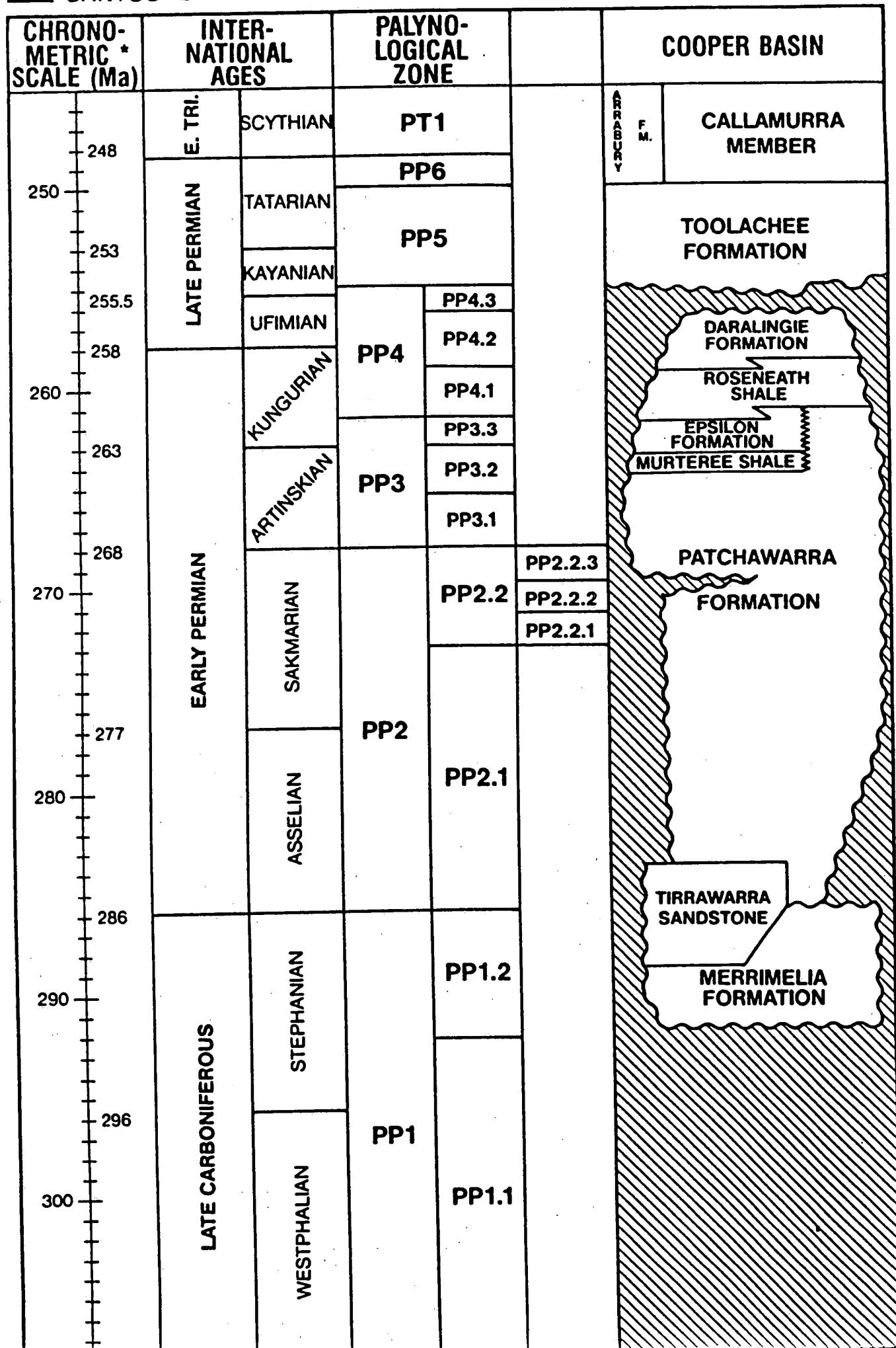
ADOPTED AGES		PRE-1985 USAGE		CURRENT NOMENCLATURE * (INTERVAL ZONES)				INDEX FORMS
F. TRI.	Scythian	Trib		PT1				<i>Lunatisporites pellucidus</i>
	Tatarian	UNIT Tri		PP6				<i>Triplexisporites playfordii</i>
LATE PERMIAN	Kazanian	UPPER STAGE 5	U5b-c	PP5				<i>Dulhuntyispora parvitholus</i>
			U5a					<i>Dulhuntyispora dulhuntyi</i>
	Ufimian	LOWER STAGE 5	L5c	PP4	PP4.3			<i>Didecitriletes ericianus (sp. 7)</i>
			L5b		PP4.2			<i>Dulhuntyispora granulata</i>
			L5a		PP4.1			<i>Lopadliospora vermithola</i>
EARLY PERMIAN	Kungurian	STAGE 4	U4b	PP3	PP3.3	PP3.3.2		<i>Acanthotriletes villosus</i>
			U4a			PP3.3.1		<i>Praecolpatites sinuosus (sp. 21)</i>
			L4		PP3.2			<i>Phaselisporites cicatricosus</i>
	Artinskian	STAGE 3	3b	PP2	PP2.2			<i>Granulatisporites trisinus</i>
	Sakmarian		3a		PP2.1			<i>Pseudoreticulatispora pseudoreticulata</i>
LATE CARBON.	Asselian	STAGE 2	U2	PP1	PP1.2			<i>Microbaculispora tentula</i>
	Stephanian		L2		PP1.1			<i>Protohaploxypinus spp.</i>
	Westphalian			PC4	PC4.2			<i>Brevitriletes "leptoacaina"</i>
					PC4.1			<i>Protonieisporites spp.</i>
								<i>Grandispora maculosa</i>
	Namurian	G.maculosa Ass		PC3				



SANTOS LIMITED

LATE CARBONIFEROUS/PERMIAN PALYNOSTRATIGRAPHY OF THE COOPER BASIN

CHART 3



TINGA TINGANA NO. 1 PERMIAN RANGE CHART

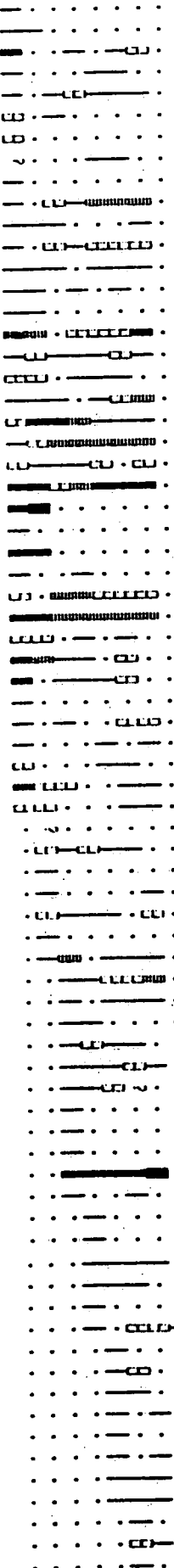
RANGE CHART OF GRAPHIC ABUNDANCES BY LOWEST APPEARANCE

00436

Key to Symbols

- = Very Rare
 = Rare
 = Few
 = Common
 = Abundant
 ? = Questionably Present
 = Not Present

CORE 4840
 CORE 4841
 CORE 4846
 CORE 4866
 CORE 5202
 CORE 5205
 CORE 5531
 CORE 5537



- 1 ANPICULATISPORITES "PSEUDOERICIANUS" 619
- 2 APICULATISPORIS "CLARUS" 1766
- 3 APICULATISPORIS CORNUTUS
- 4 APICULATISPORIS LEVIS
- 5 CANNANOROPOLLIS SPP.
- 6 CLAVATISPORITES NAUHOVAE
- 7 CRISTATISPORITES "RETICULATISPINUS" 890
- 8 DIATOMUZONOTRILETES SPINOSA
- 9 GRANULATISPORITES "INTERMEDIUS" 789
- 10 GRANULATISPORITES MICRONODOSUS
- 11 GRANULATISPORITES SEGROVESII
- 12 GRANULATISPORITES TRISINUS
- 13 HOPRIDITRILETES RAMOSUS
- 14 KRAEUSELISPORITES ENORNIS
- 15 KRAEUSELISPORITES ORDICULARIS
- 16 KRAEUSELISPORITES SPP.
- 17 LEIOTRILETES "QUASITRISINUS" 1263
- 18 LEIOTRILETES DIRECTUS
- 19 LINITISPORITES RECTUS
- 20 MARSUPIPOLLENITES STRIATUS
- 21 MARSUPIPOLLENITES TRIRADIATUS
- 22 MICROBACULISPORA MICRONODOSUS
- 23 MICROBACULISPORA TENTULA
- 24 MUNDOSACCATE POLLEN
- 25 NEOPATRICKIA SP 305
- 26 NON STRIATE DISACCATES
- 27 PHASELISPORITES "HAMATUS" 64
- 28 PLICATIPOLLENITES SPP.
- 29 PROTOHAPLOXYPINUS SPP.
- 30 PSEUDORETICULATISPORA "EXIGUUS" 1772
- 31 PSEUDORETICULATISPORA PSEUDORETICULATUS
- 32 PUNCTATISPORITES SPP.
- 33 RETICULATISPORITES SP. 299
- 34 STRIATOBILETES MULTISTRIATUS
- 35 THUNKISPORIS SIMPLEX
- 36 VERRUCOSISPORITES "MICROPOLYGONALIS" 194
- 37 VERRUCOSISPORITES "POLYGONALIS" 209
- 38 VERRUCOSISPORITES "PUNCTICULUS" 353
- 39 DIATOMUZONOTRILETES TOWNROWII
- 40 GONDISPORITES BHARADWAJII
- 41 KRAEUSELISPORITES REIDII
- 42 KRAEUSELISPORITES SP. 476
- 43 LAEVIGATISPORITES VULGARIS
- 44 LOPHOTRILETES NUVICUS
- 45 STRIATOPODUCARPITES SPP.
- 46 ACANTHOTRILETES TERETANGULATUS
- 47 CONBACULATISPORA "PERFECTA" 362
- 48 CRISTATISPORITES DUPLICIFORMIS
- 49 FLURINITES SPP.
- 50 GONDISPORITES "KRAEUSELIUS" 477
- 51 GONDISPORITES EHLINGTONENSIS
- 52 KRAEUSELISPORITES BALHEII
- 53 KRAEUSELISPORITES OF K. ENORNIS
- 54 PLATYSACCUS SPP.
- 55 SCHEUKINGIPOLLENITES SPP
- 56 VERRUCOSISPORITES UBISCHII
- 57 ACANTHOTRILETES SUPERBUS
- 58 GONDISPORITES SPP.
- 59 INTERRADISPORA ROBUSTA
- 60 KRAEUSELISPORITES SP. 473
- 61 QUADRISPORITES HORRIDUS
- 62 RETUSOTRILETES NIGRITELLUS
- 63 CONVOLUTISPORA SP 797
- 64 GRANULATISPORITES MICRONODOSUS "CLAVATUS"
- 65 KRAEUSELISPORITES SPLENDENS
- 66 MACULATASPORITES AMPLUS
- 67 MEHLISPHAERIDIUM FIBRATUM
- 68 MEHLISPHAERIDIUM REGULARE
- 69 PHASELISPORITES CICATRICOSUS
- 70 PRAECOLPATITES SINUOSUS
- 71 ACANTHOTRILETES FILIFORMIS
- 72 DOTRYOCOCCLUS "VASFORANEN" 1458
- 73 TETRAPURINA SPP.

CORE 4840
 CORE 4841
 CORE 4846
 CORE 4866
 CORE 5202
 CORE 5205
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 CORE 5537

RANGE CHART OF GRAPHIC ABUNDANCES BY LOWEST APPEARANCE

Key to Symbols

- 
 = Very Rare
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