

DEPARTMENT OF MINES AND ENERGY

SOUTH AUSTRALIA



OPEN FILE ENVELOPE SERIES

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2nd Floor, Alexandra Chambers
201 Wickham Terrace, Brisbane 4000
Queensland, Australia
Phone 21 4355

Austral United Geophysical Pty. Ltd.

210 Henley Beach Road,
TORRENSVILLE S.A. 5031.

March 22nd, 1971.

Mr. D. Burton,
Delhi International Oil Corporation,
33 King William Street,
ADELAIDE S.A. 5000.

Tilpatee Seismic Survey

Report for Period 1st - 15th March 1971.

General: The crew returned to the field on the 1st of the month. The camp was moved into the Delhi area on the 2nd. Camp was established near the site of Dulingari No. 1. The drills commenced work on the 3rd, and the recorders one day later.

On the afternoon of the 5th, heavy rain began falling and continued practically non-stop till the 10th. Overall about 7 or 8 inches of rain were recorded. Up until the 15th of the month, conditions were too wet and boggy for the crew to recommence work.

Statistics:	Total recording time (chargeable)	50.0
	(Comprising: Actual field time	16.0
	Move in time	8.5
	Standby time 10th-15th	25.5)
	Number of profiles shot	21
	Total number of shots	21
	Subsurface coverage	10.5
	Total drilling time (chargeable,	
	including move in)	63
	Number of holes drilled	24
	Number of shotpoints drilled	24
	Total footage	2,235
	Surveying: Miles pegged	12
	Miles leveled	6.5

Recording: For the two days of production in this period, good production was achieved. Record quality was generally fair to poor.

Drilling: Two drills were used and a fair production rate was achieved. Holes were drilled to 90 feet except on sand hills, where hole depth was increased.

Bulldozing: The dozer began cutting line YA running north south. Better production rate should be expected in the future.

Data Processing and Interpretation: The rain caused a delay in receiving data from the crew and to date the first 13 profiles have been sent for processing to Digital Technology Pty. Ltd.

Programme: At the date of writing (March 18th), the crew has resumed work even though the country is extremely wet and boggy and approximately 100 miles of programme have still to be shot. If good production can be achieved in the wet conditions, this should take from 15 to 20 days.

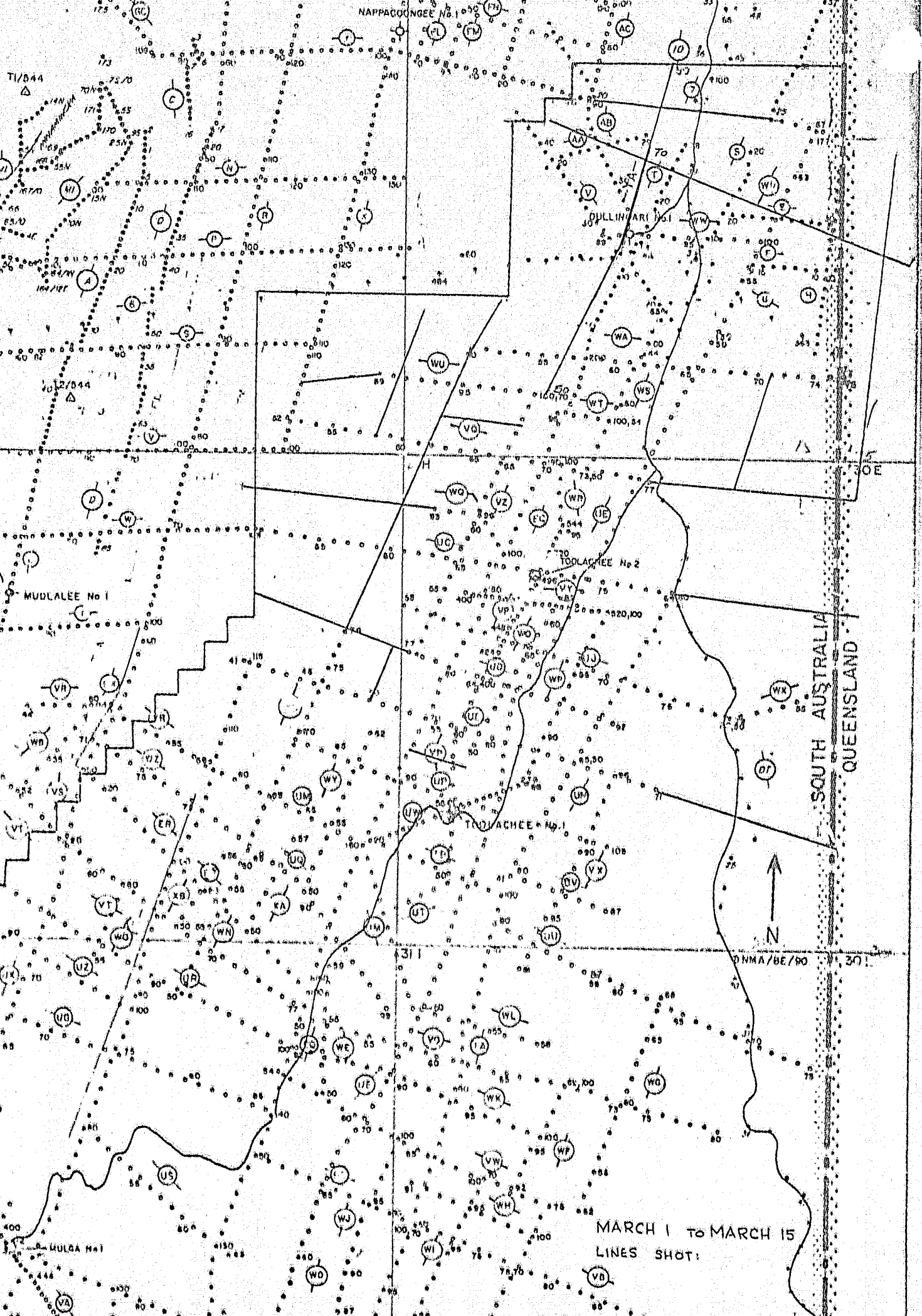
Respectfully submitted,

.....*P. J. Drew*.....

P. J. Drew

Party Chief - Party 131

PJD/cc



TI/044

MUDLAHEE No 1

MULGA No 1

NAPPAARONGEE No. 1

DULLINARI No. 1

TOOLACHEE No 2

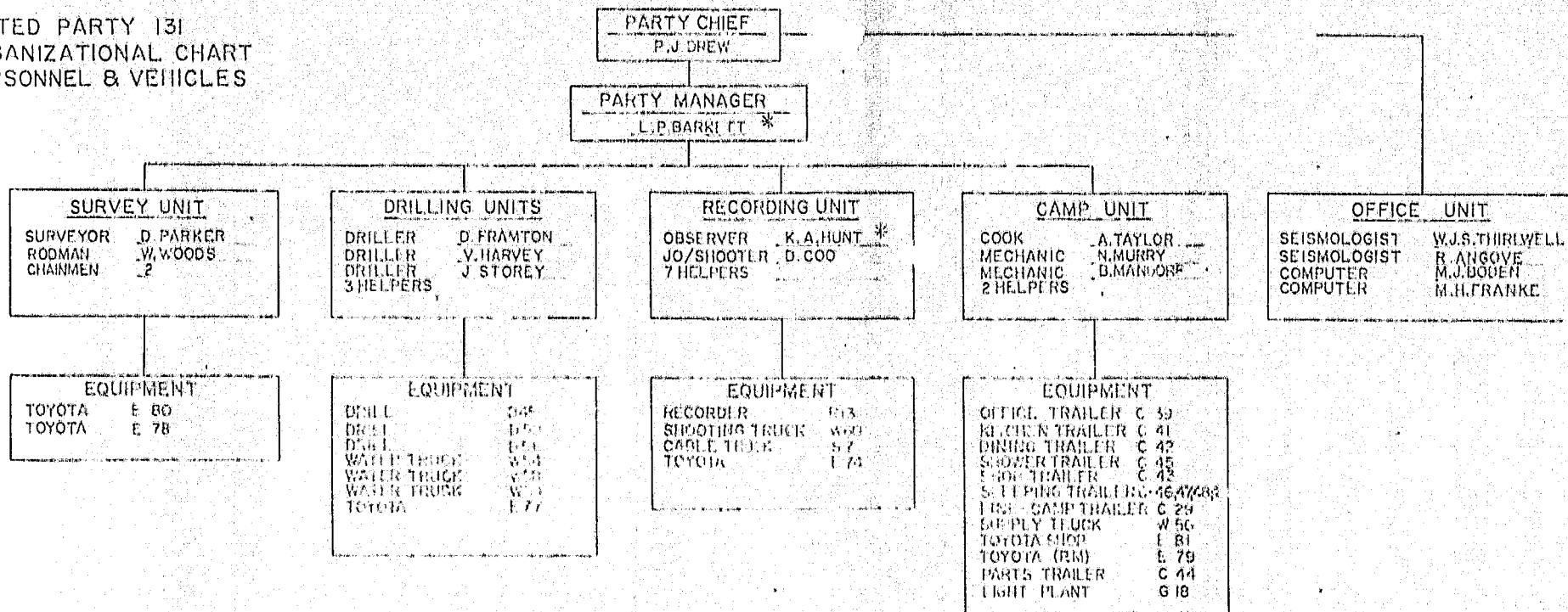
TOOLACHEE No. 1

SOUTH AUSTRALIA
QUEENSLAND



MARCH 1 to MARCH 15
LINES SHOT:

UNITED PARTY 131
ORGANIZATIONAL CHART
PERSONNEL & VEHICLES

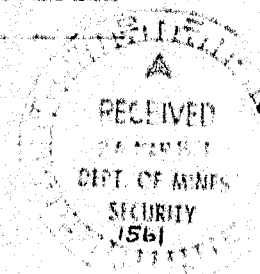


SUMMARY : THE CREW HAD A TOTAL OF 30 MEN

REMARKS : * INDICATES EXPATRIATE EMPLOYEES

PERIOD ENDING : MARCH 15th, 1971

PARTY CHIEF : P.J. Drew





**Austral United
Geophysical Pty. Ltd.**

210 Henley Beach Road,
TORRENSVILLE S.A. 5031.

April 20th, 1971.

Mr. D. Burton,
Delhi International Oil Corporation,
33 King William Street,
ADELAIDE S.A. 5000.

TILPAREE SEISMIC SURVEY

Report for Period 16th - 31st March, 1971.

General: Wet conditions persisted until the 18th of the month, when work commenced on a limited basis. More rain fell on the afternoon of the 23rd. This prevented the crew working on the 24th.

Statistics:	Chargeable Recording Time 16th - 19th	27 hrs
	Chargeable Recording Time 19th - 31st	
	(based on 1.1 profiles per hour)	
	(67 profiles)	60.9 hrs
	Total Chargeable Time	87.9
	Number of Profiles Shot	77
	Total Number of Shots	79
	Subsurface Coverage	38.5
	Total Drilling Time	196.50
	Number of Holes Drilled	80
Number of S.P.s Drilled	80	
Total Footage	7,864	
Surveying: Miles Pegged	37	
Miles Levelled	35	

Recording: Due to the extremely wet conditions, production was very slow and after the 19th of the month, the basis of chargeable time was changed from actual time to time based on production of 1.1 profiles per hour.

Record quality was generally fair to poor with most shots of poor quality.

Page 2

Drilling: The wet conditions slowed down the drills also, but they managed to drill sufficient holes to ensure that the recording crew did not have to wait on the drills.

Data: All lines up to YD (the last line shot during this period) have been sent for processing but to date nothing has been received back from the playback centre.

Programme: Approximately 60 miles of programme remain to be shot. Depending on conditions, this should be completed near the end of April.

Respectfully submitted,

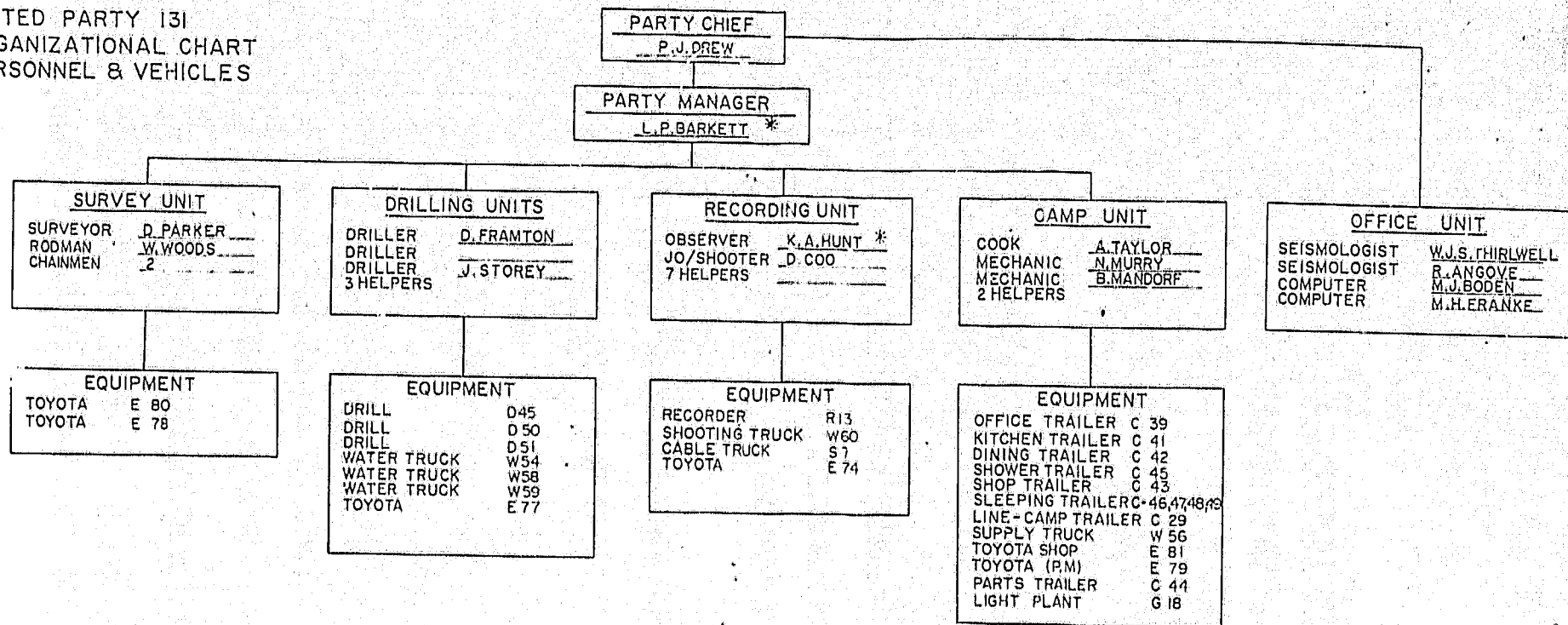
.....P. J. Drew.

P. J. Drew,
Party Chief - Party 131

PJD/cc

cc: Delhi 4
Kurfess 1
Pfitzner 1
Pasadena 1
File 1

UNITED PARTY 131
ORGANIZATIONAL CHART
PERSONNEL & VEHICLES

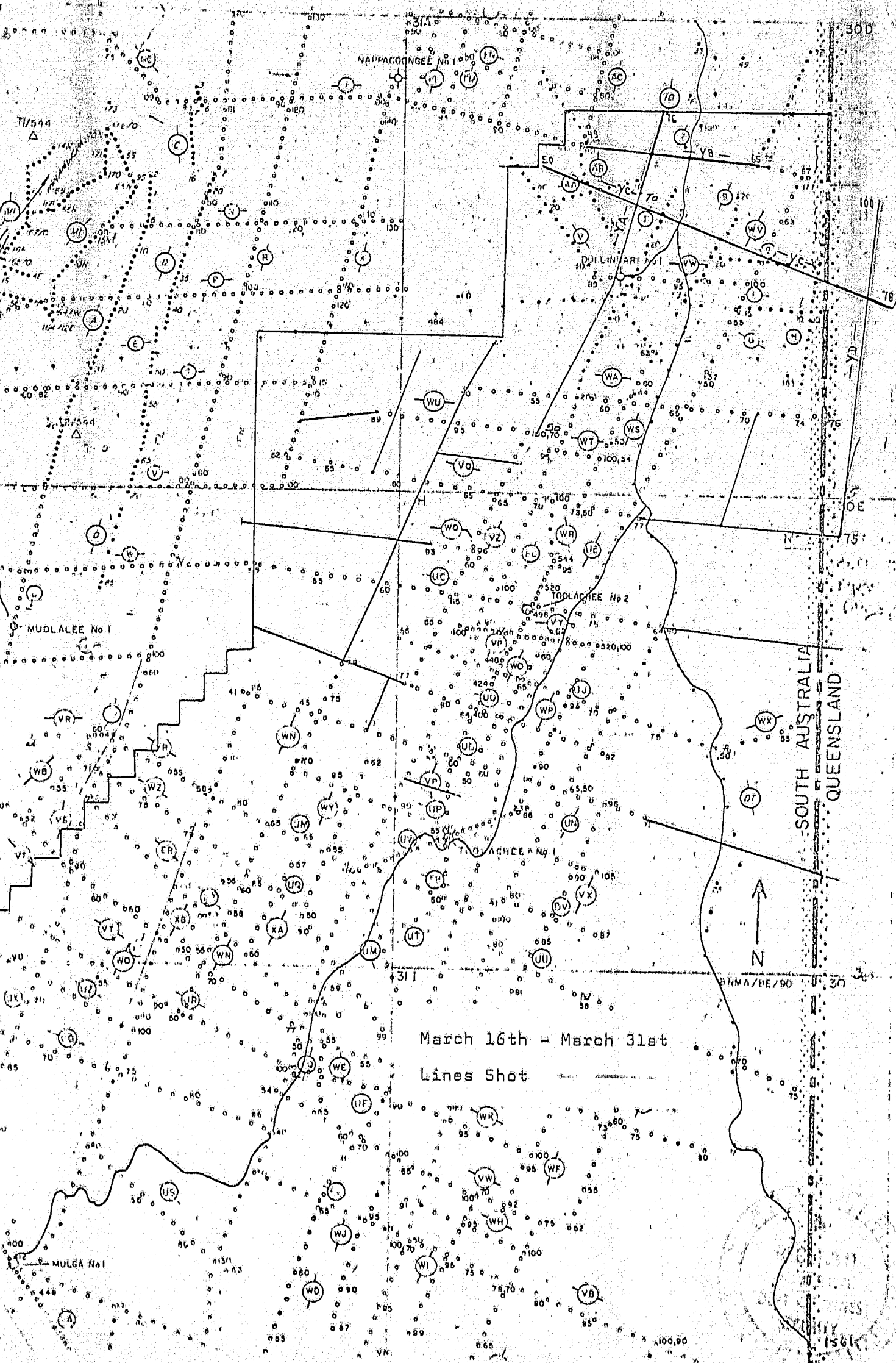


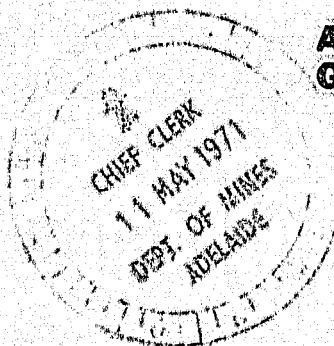
SUMMARY : _____

REMARKS : * INDICATES EXPATRIATE EMPLOYEES

PERIOD ENDING : MARCH 31st, 1971

PARTY CHIEF : P.J. Drew





**Austral United
Geophysical Pty. Ltd.**

~~April~~ ^{MAY} 7th, 1971.

210 Henley Beach Road,
TORRENSVILLE S.A. 5031.

Mr. D. Burton,
Delhi International Oil Corporation,
33 King William Street,
ADELAIDE S.A. 5000.

Report on Tilpatee Seismic Survey, April
1st - 15th 1971.

General: The crew resumed shooting on the production basis of Line YD. YE, YF, YG and YH were completed up to the 8th of the month. The crew came out for leave on the 9th.

<u>Statistics:</u>	Total Recording Time (chargeable)	69.75
	No. of Profiles Shot	57.0
	Total No. of Shots	60
	Subsurface Coverage (miles)	28.5
	Total Drilling Time	129.75
	No. of Shotpoints Drilled	55
	Total Footage	5200
	Surveying: Miles Pegged	28
	Miles Leveled	26

Recording: Recording progressed slowly due to the wet conditions. It was decided to take a field break on the 9th of the month to allow conditions to improve. Quality was generally fair to poor.

Drilling: Drilling was extremely slow - again due to the difficult travelling conditions.

Personnel: Several changes in personnel were effected during the period. R. Vachon replaced L. Baskett as Party Manager, and L. Soprani replaced R. Angove as Field Seismologist. Other changes are shown on the attached sheet.

Page 2.

Interpretation: The field records were computed and a preliminary interpretation based on this data was obtained. Final interpretation will be based on the corrected playback sections.

Programme: The crew returned to the field on the 20th of the month and sufficient programme remained until early May.

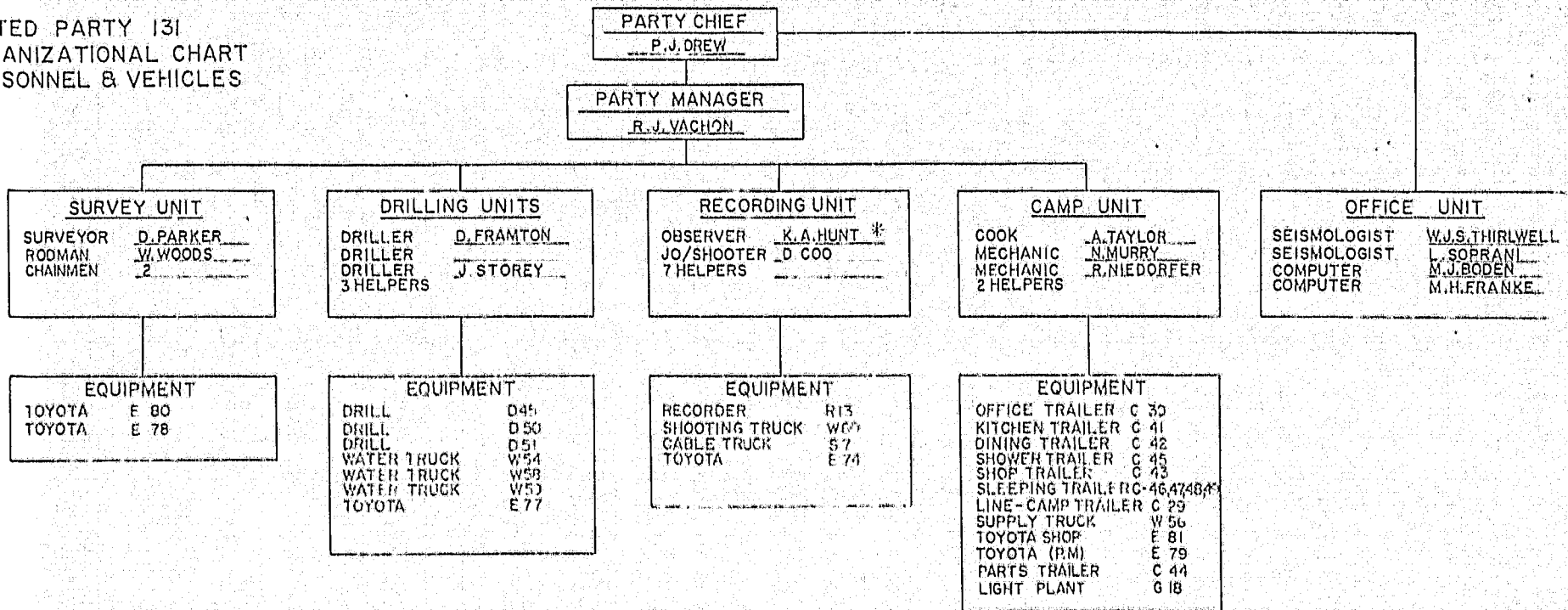
Respectfully submitted,

.....*P. J. Drew*.....
P. J. Drew

Party Chief - Party 131

PJD/cc

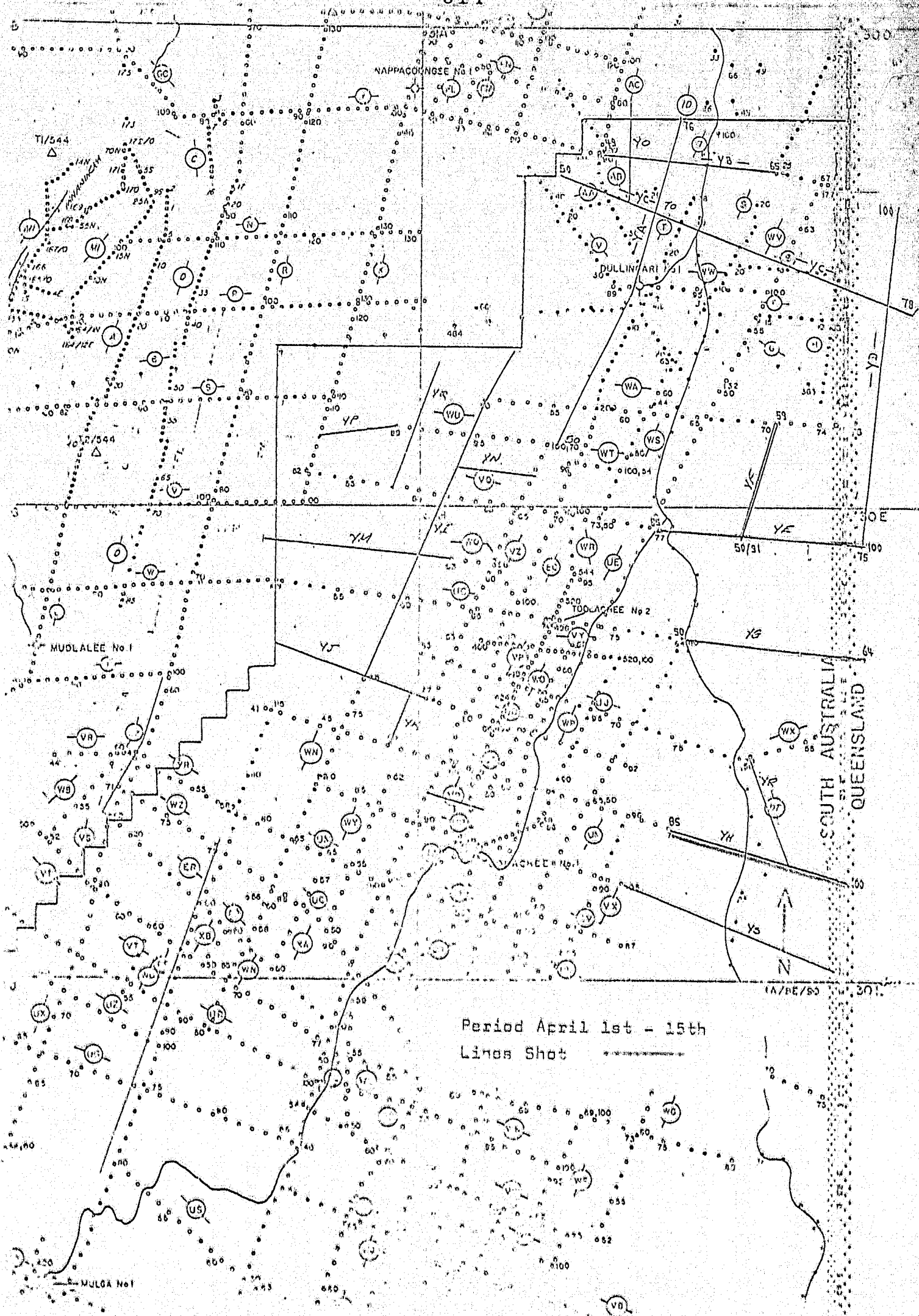
UNITED PARTY 131
ORGANIZATIONAL CHART
PERSONNEL & VEHICLES



SUMMARY : _____

REMARKS : * INDICATES EXPATRIATE EMPLOYEES

PERIOD ENDING : APRIL 15th 1971
PARTY CHIEF : P.J. Drew





2nd Floor, Alexandra Chambers
201 Wickham Terrace, Brisbane 4000
Queensland, Australia
Phone 21 4355

**Austral United
Geophysical Pty. Ltd.**

210 Henley Beach Road,
TORRENSVILLE S.A. 5031.

May 14th, 1971.

Mr. D. Burton,
Delhi International Oil Corp.,
33 King William Street,
ADELAIDE S.A. 5000.

Report on Tilpatee Seismic Survey

April 16th - 30th, 1971.

General: The crew returned from break on the 18th and the 20th of the month. Rain on the 15th delayed the crew's return which had been scheduled for the 16th. Lines YI to YR were shot and YS was commenced.

<u>Statistics:</u>	Total Recording Time	102.25
	No. of Profiles Shot	112
	Total No. of Shots	114
	Subsurface Coverage (Miles)	56
	Total Drilling Time	228.5
	No. of S.P.s Drilled	121
	Total Footage	10960
	Surveying: Miles Pegged	60.5
	Miles Leveled	56

Recording: Shooting recommenced after break on the 21st. Record quality varied from good to poor, due mainly to the different areas worked. Generally travelling conditions had improved, but at times all vehicles especially the drills and water trucks were troubled by the wet conditions.

Drilling: The three drills were used where possible, but progress was slowed by the dozer. Line YD was drilled and shot without the dozer.

Page 2.

Personnel: After the crew break, R. Anderson replaced D. Parker as surveyor. The attached list shows other minor changes in personnel and equipment.

Interpretation: All lines shot this period have been computed and static corrections obtained. This data has been forwarded to Delhi to be sent for processing.

Programme: Additional work in the Tilpatee Area plus work in the Cadrapowie area in which Pursuit Oil N.L. is one of the partners should have the programme completed early in May.

Respectfully Submitted,

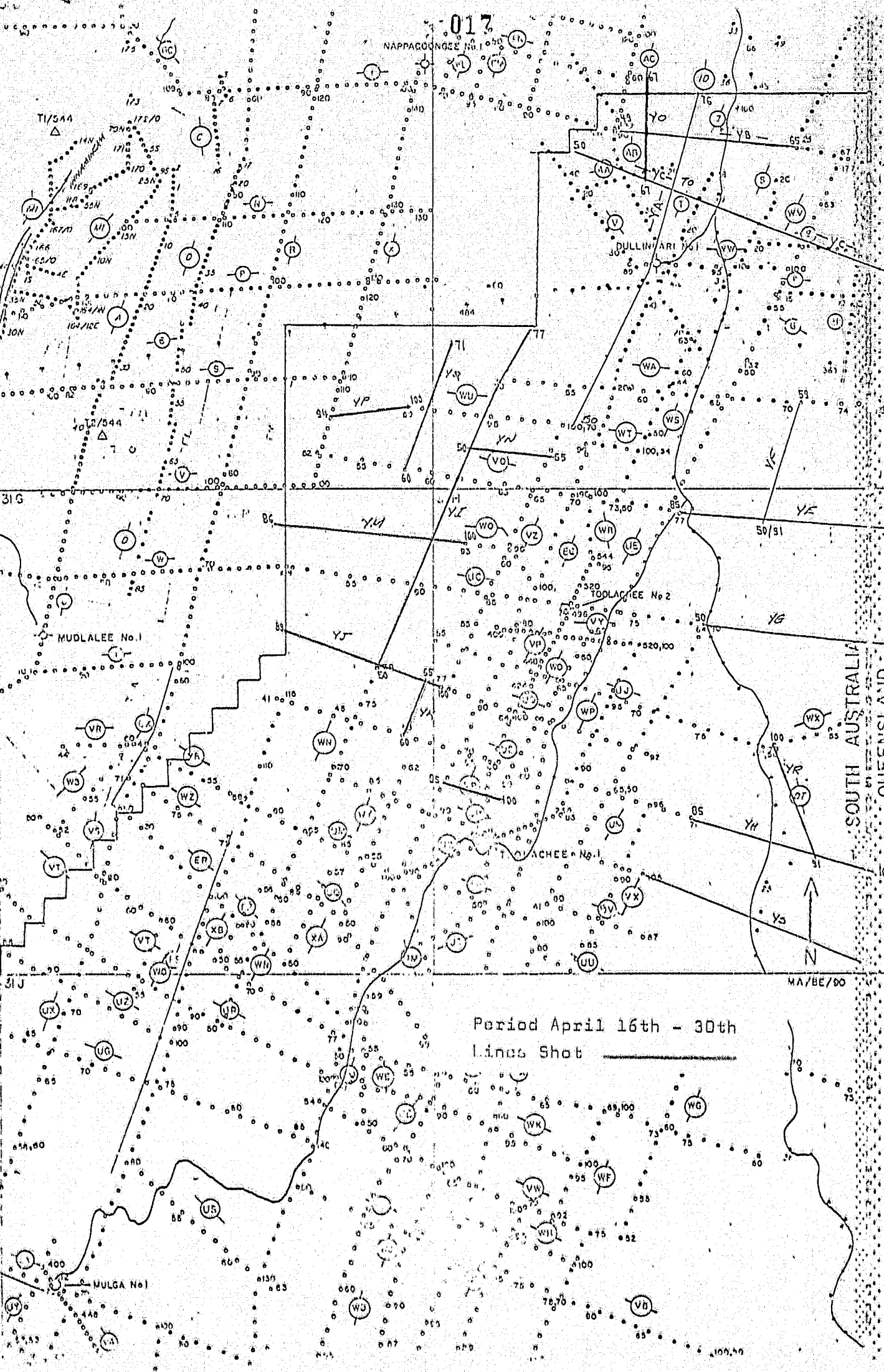
.....*P. J. Draw*.....

P. J. Draw,
Party Chief - Party 131

PJD/cc

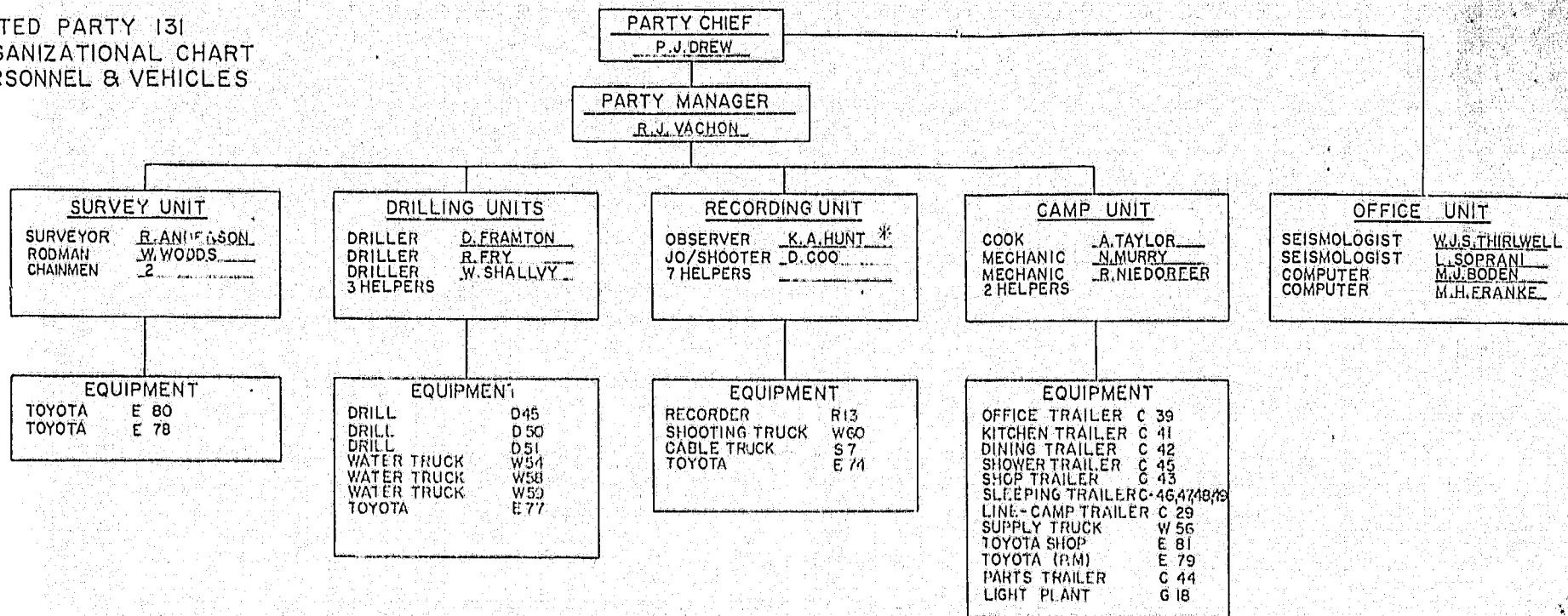
cc: Delhi (6)
L. Pfizner (1)
J. Kurfess (1)

Pasadena (1)
File (1)



UNITED PARTY 131
ORGANIZATIONAL CHART
PERSONNEL & VEHICLES

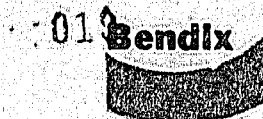
013



SUMMARY : _____

REMARKS : * INDICATES EXPATRIATE EMPLOYEES

PERIOD ENDING : APRIL 30th 1971
PARTY CHIEF : P.J. Drew



2nd Floor, Alexandra Chambers
201 Wickham Terrace, Brisbane 4000
Queensland, Australia
Phone 21 4355

**Austral United
Geophysical Pty. Ltd.**

210 Henley Beach Road,
TORRENSVILLE S.A. 5031.

May 27th, 1971.

Mr. D. Burton,
Delhi International Oil Corporation,
33 King William Street,
ADELAIDE S.A. 5000.

Report for Period May 1st-9th, 1971

General: The crew continued shooting on Line YS. On the completion of this line, work began on the Cadrapowie Survey and Lines YJ ext., YT, YU, YV, YW and ~~YZ~~ were shot. On the 9th of the month, the crew returned to the Tilpatee Area and shot line YZ. This completed the work for Delhi.

Statistics:

(a) Tilpatee Area

Total Recording Time	25.0
No. of Profiles	23
No. of Shots	23
Subsurface Coverage (miles)	11.5
Total Drilling Time	28.25
No. of S.P.'s Drilled	16
Total Footage	1365
Surveying: Miles Pegged	11.5
Miles Leveled	11.5

(b) Cadrapowie Survey

Total Recording Time	60.0
No. of Profiles	32
No. of Shots	32
Subsurface Coverage (miles)	26
Total Drilling Time	122.50
No. of S.P.'s Drilled	30
Total Footage	4395
Surveying: Miles Pegged	26
Miles Leveled	26

Recording: The wet conditions persisted and this slowed down the recording crew. Several long line moves during the period helped to reduce the rate per hour. Quality was generally fair to poor.

Page 2.

Drilling: The drills again were the limiting factor in production, due to the wet conditions. Apart from these driving problems, no difficulties were experienced.

Personnel and Equipment: No changes were effected in this period. The attached list shows all details.

Interpretation: The field interpretation was completed. Most static corrections have been completed and data sent to the playback centre.

Conclusion: The work for Balhi was completed on the 24th of the month and the crew moved out of the area a few days later.

Respectfully submitted,

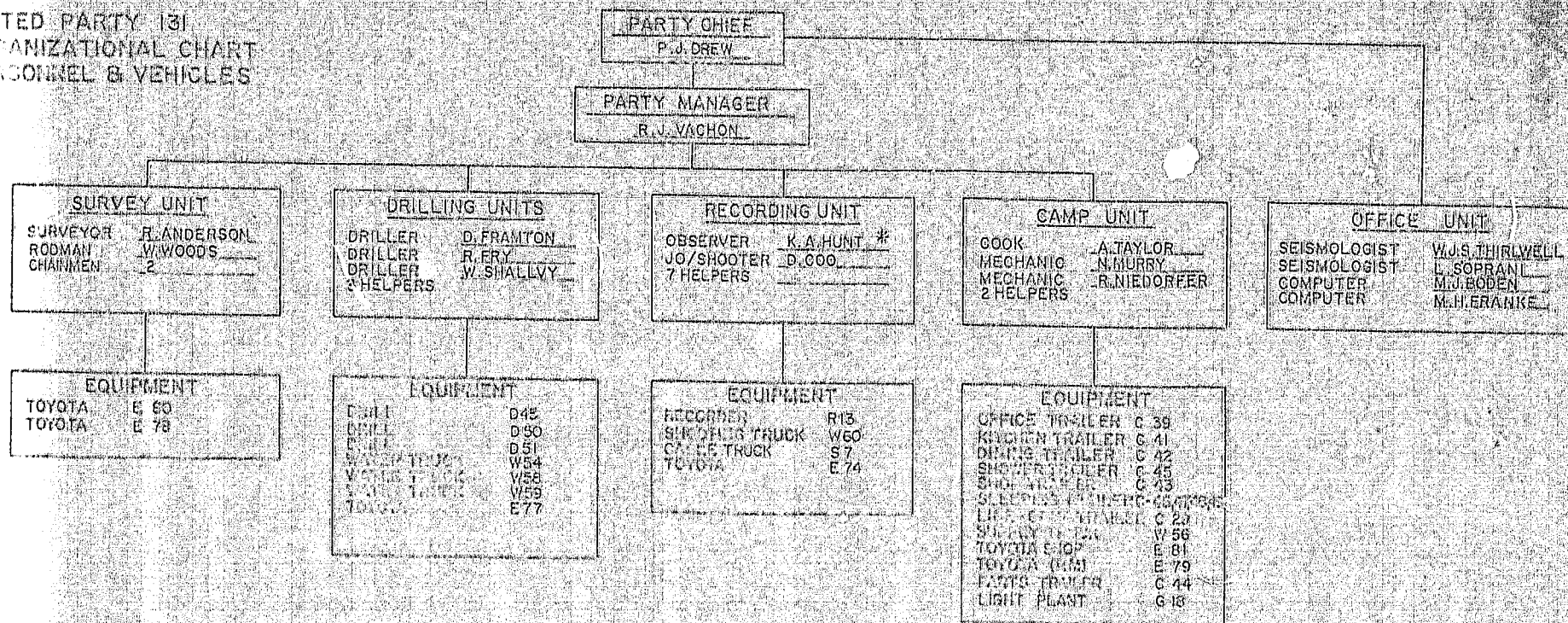
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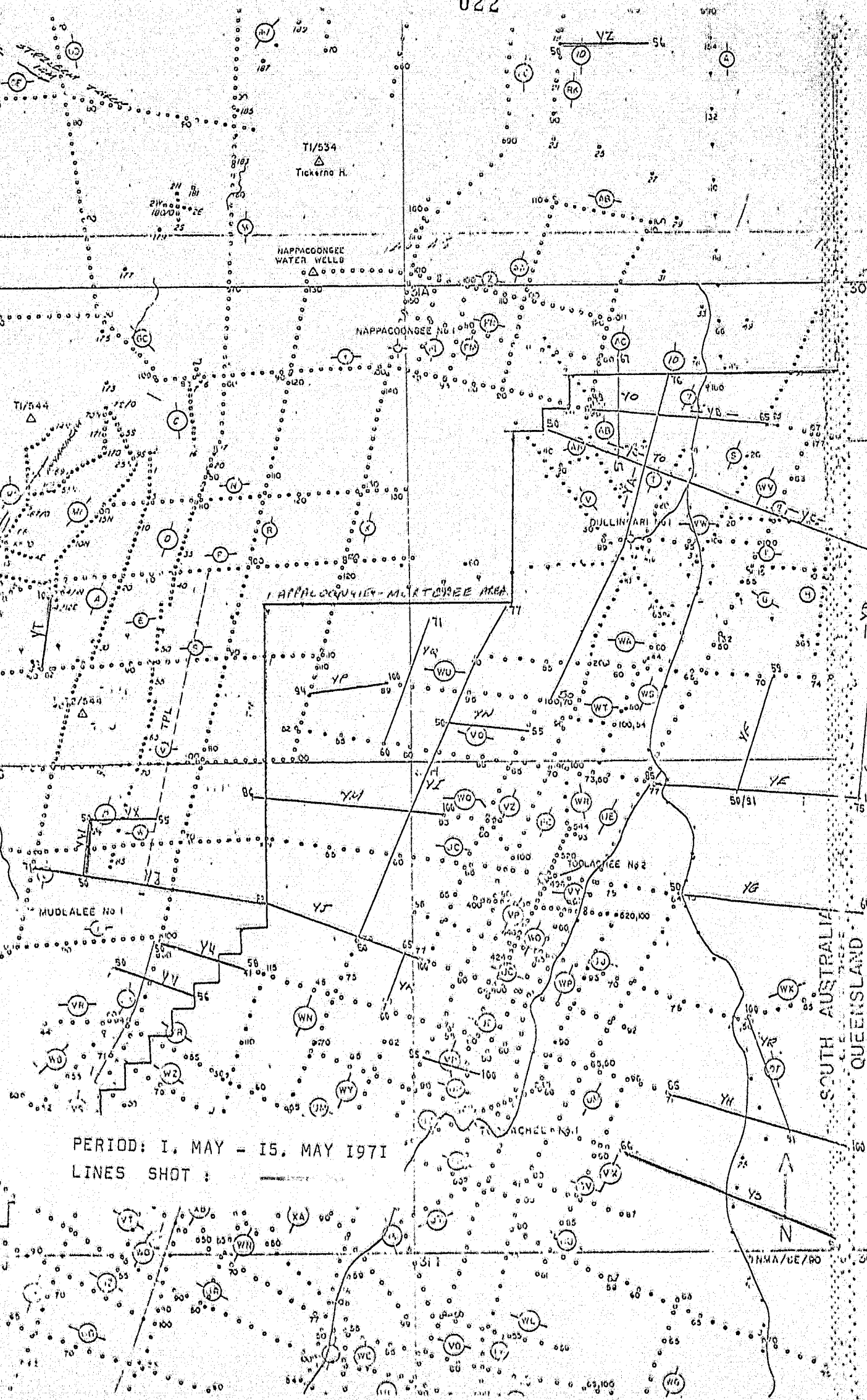


SUMMARY :

REMARKS: * INDICATES EXPATRIATE EMPLOYEES

PERIOD COVERED: May 15th 1971

First name: John S. Smith



1561-2

CONTRACTOR: AUSTRAL UNITED GEOPHYSICAL PTY. LTD.

PARTY # 131

PARTY MANAGER L. P. BARKETT SUPERVISOR L. W. PFITZNER

A ruler with two scales. The top scale is in centimeters, ranging from 0 to 40. The bottom scale is in inches, ranging from 0 to 15. The ruler is labeled 'MADE IN AUSTRALIA' and 'RULERS - TRUE LINE'.

1561-3

CONTRACTOR : AUSTRAL UNITED GEOPHYSICAL PTY. LTD.

PARTY MANAGER R. J. VACHON SUPERVISOR L.W. PEITZNER

1561-4

CONTRACTOR : AUSTRAL UNITED GEOPHYSICAL PTY. LTD.

PARTY MANAGER R. J. VACHON SUPERVISOR L. W. PFITZNER

