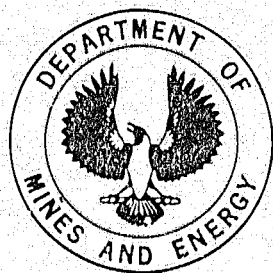


DEPARTMENT OF MINES AND ENERGY

SOUTH AUSTRALIA



OPEN FILE ENVELOPE SERIES

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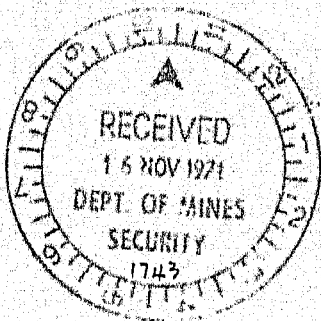
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TENEMENT: PEL's 5 & 6

TENEMENT HOLDER: Delhi International Oil Corporation

REPORT: Partly Chiefs' Monthly Progress Report for Oct. 1971 (Pgs 3-4)
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 " " " 1 15 Nov 1972 (Pgs 9-12)
 Progress Report for Jan. 1972 (Pgs 13-15)
 Half Monthly Report Feb 1 -15 1972 (Pgs 16-20)
 Partly Chief Monthly Progress 28
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 Drilling Location Map 1743-4
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0003

Bendix

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.

November 1st, 1971.

PARTY CHIEF'S MONTHLY PROGRESS REPORT

FOR

OCTOBER 1971

SUMMARY OF OPERATIONS:

- 10-15 Crew mobilises from storage and sets up camp at Innaminka No. 2 Bore.
- 16 Dozer and Survey crew commence Line ZA.
- 18 Drills commence Line ZA.
- 23 Recorder arrives camp.
- 25 Recorder shoots 6 experimental shots in field. Results unsatisfactory.
- 27 Drills complete ZC and move east to lines ZD and ZE.
- 31 Field engineer cannot repair instruments in field - recorder departs for Brisbane.

PROJECT: Dunjeroo Seismic Survey.

OBJECTIVES:

To shoot detail 100% seismic lines across several proposed or existing structures to delineate the extent of the structures and mature possible well sites.

WORK DONE:

No profiles were recorded to this stage. Drills completed and loaded Lines ZA, ZB, ZC, ZD and almost completed ZE. Surveyors completed Lines ZA, ZB, ZC, ZD, ZE.

OPERATIONAL PROBLEMS:

Major problem encountered was instrument malfunction - namely lack of synchronization between digital master units MU-80 and MU-81. A Dresser - SIE field engineer arrived on 28th, but was unable to

0004

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**Austral United
Geophysical Pty. Ltd.**

Page 2.

repair malfunction. Recorder was shipped back to Brisbane and is currently to be replaced with Analogue System, namely PT-100's, until Digital unit is operational.

EXPERIMENTAL WORK:

Several different shot patterns have been drilled so detailed comparison studies can be made viz.

3 rows of 6HI/Line x 5 lbs. @ 15' straddling S.P. with rows 45' apart and holes 30' apart.

3 HI/Line x 20 lbs. @ 105', straddling S.P. with holes 80' apart.

IH x 60 lbs. @ 105' on S.P.

CONCLUSIONS:

No conclusions at this stage.

RECOMMENDATIONS:

Since no recording has been effected to this date it is a little difficult to make any firm recommendations. However, I feel that the single deep hole to 105' in conjunction with the 18 hole patterns is in effect shooting the line twice. For weathering purposes a single hole to 45' loaded with 20 - 30 lbs. should be adequate.

Respectfully submitted,

.....M. J. Wilson.....
M. J. Wilson
Party Chief

MJW/cc

cc: L.W. Pfitzner
File

Enc. Print of Monthly Stat. Report.

1743

Page 2.

RECORDING: Production for the period was 1.00 production profiles per hour and 1.65 shots per hour. Record quality for lines ZA, ZB and ZC was fair to good, but for lines ZF, ZG and ZH it was generally poor.

DRILLING: Two drills were used with a third on standby in case of breakdown. 18 hole patterns to 15' in conjunction with a single deep hole to 90' was the norm. Where patterns could not be achieved, e.g. sandhills, a single hole to 105' was drilled.

A rate of 103.6 feet per hour was achieved.

DATA PROCESSING AND INTERPRETATION:

No data was submitted to G.S.I. for processing during this period, but all six lines will be sent in the near future.

No effective preliminary interpretation from the field records was completed.

DOZING: Dozing in the Dunjara area was completed on the 7th and the cat transported to Patchawarra area on the 10th.

PERSONNEL: As per attached sheet showing contract crew and extra.

REMARKS: Due to the absence of a clean reflection on the lines ZF, ZG, and ZH, i.e. across the Epsilon structure, C.D.P. (600%) lines are recommended for future work.

Respectfully submitted,

.....

M. J. Wilson
Party Chief

RJW/cmc

PARTY 96 - PERSONNEL LISTAs at November 15th, 1971AS PER SCHEDULE A.Austral United's Adelaide Office:

- | | |
|--------------------------------|--------------|
| 1. One Party Chief | M. J. WILSON |
| 2. One Computer | J. BURT |
| 3. One Clerk | C. CHAMBERS |
| 4. One Expediter-Supply Driver | M. HEVEY |

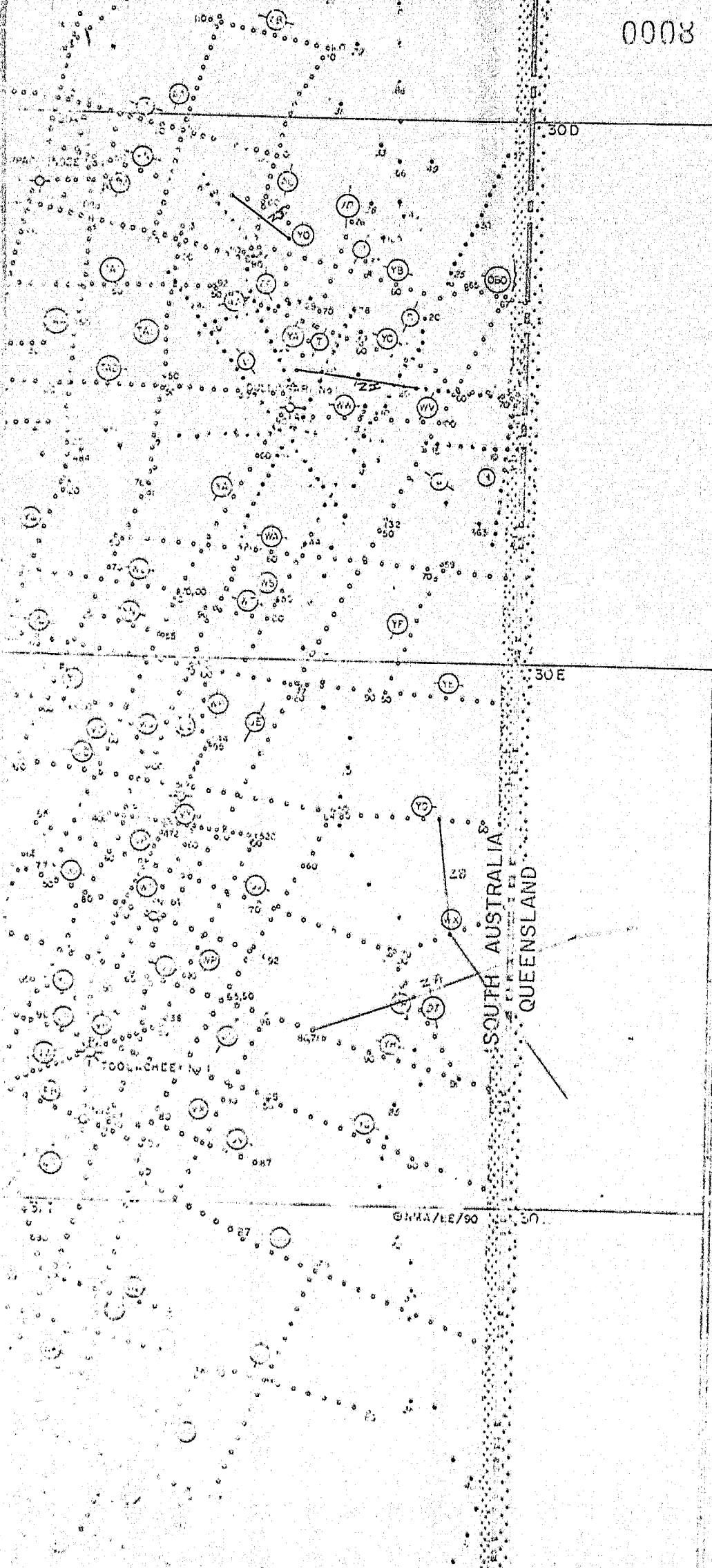
Austral United's Field Party:

- | | |
|-----------------------------------|------------------|
| 1. One Field Manager | S. THIRLWELL |
| 2. One Field Seismologist | M. SMART |
| 3. One Observer | D. TOWREY |
| 4. One Assistant Observer/Shooter | P. CLOWES |
| 5. One Surveyor | P. SKELLY |
| 6. One Assistant Surveyor | A. MEAGHER |
| 7. Seven Recording Helpers | 1. L. MOORE |
| | 2. L. SINNOT |
| | 3. D. FREER |
| | 4. B. CHESTER |
| | 5. C. PEDERSON |
| | 6. D. HARRISON |
| | 7. R. HARRISON |
| 8. Two Drillers | 1. G. SADDLER |
| | 2. J. WEST |
| 9. Two Drill Helpers | 1. W. SAWTELL |
| | 2. M. RENATA |
| 10. One Mechanic | D. THOMPSON |
| 11. One Cook | A. TAYLOR |
| 12. One Cook's Helper | M. LENMANN |
| 13. Two Chainmen | 1. R. BRIGGS |
| | 2. G. McGUINNESS |

AS PER SCHEDULE B.

- | | |
|---------------------|------------|
| 1. One Driller | W. SHALLVY |
| 2. One Drill Helper | R. IBELL |

0008



53

28° 00'

52

51

1500 000

28° 15'

49

LINES COMPLETED THROUGH NOV. 5, 1971

DRILLED & SHOT

DRILLED ONLY

48

47

28° 30'

46

DUNTEROOL

SEISMIC SURVEY

1500000

Bondix

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

**Austral United
Geophysical Pty. Ltd.**

6-8 Marker Avenue,
MARLESTON S.A. 5033.

January 27th, 1972.

Mr. W. K. Thiele,
Delhi International Oil Corporation,
33 King William Street,
ADELAIDE S.A. 5000.

DUNJEROO SEISMIC SURVEY

Half Monthly Report 1st - 15th January, 1972.

GENERAL: The crew returned to the Andree campsite on 7th January and departed for line camp at Innamincka Number 2 Bore on the 8th. Heavy rain commenced falling on the evening of the 9th and continued for 3 days, causing serious disruptions to food and fuel supplies for the line camp. 5 men and 2 recording Toyotas were also stranded at Lyndhurst for almost 2 weeks, seriously affecting crew production.

On the 10th, rig D-45 rolled over in the mud while in transit to line camp.

STATISTICS:

1. Recording

Total Recording Time	25½ hrs.
Number of Production Profiles	17
Total Number of Shots	25
Subsurface Coverage	8½ miles.

2. Drilling

Total Drilling Time	19 hrs.
Number of Holes Drilled	328
Number of Shotpoints	19
Total Footage	4860 feet.

3. Surveying

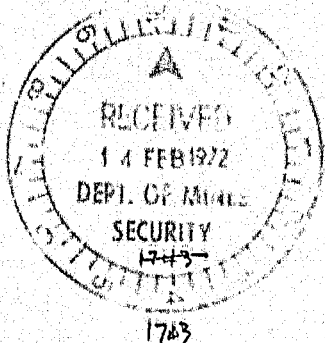
Not yet available.

4. Bulldozing

Not yet available.

RECORDING: Production for period was 0.66 profiles/hr (0.33 miles/hr)

OBJECTIVES: To delineate the areal extent of several existing structures and mature possible well sites.



Record quality was generally poor, displaying considerable cross-feed from wet cable heads due to rain and ground water.

Recording crew was at half strength due to juggies being stranded at Lyndhurst by floodwaters.

Time for 3 line moves is included in figures.

DRILLING: Two drills commenced work on 15th, having been held up for parts etc. by floodwaters between line camp and base camp. The third rig was damaged in an accident on 10th, and a fourth is currently being prepared to replace it.

18 hole patterns to 15 feet/hole are being drilled on 600% work.

DATA PROCESSING: No data has been submitted for processing during this period. Statics will be worked as soon as records come in from the field.

DOZING: A replacement Cat from Search Australia Services commenced cutting Tirrawarra lines on the 10th, but shut down on the 15th to stand by big rigs in lieu of the Cooper flooding.

PERSONNEL: As per attached sheet.

REMARKS: Poor production was a result of inclement weather and absence of a full recording crew. The new observer who is very familiar with the area should improve figures for remainder of the month.

Respectfully Submitted,

M. J. Wilson
M. J. Wilson,
Party Chief.

MJW/cc

PARTY 96 - PERSONNEL LISTAs at Mid, January, 1972.AS PER SCHEDULE A.Austral United's Adelaide Office:

1. One Party Chief	M. J. WILSON
2. One Computer	J. BURT
3. One Clerk	C. CHAMBERS
4. One Expediter-Supply Driver	M. HEVEY

Austral United's Field Party:

1. One Field Manager	S. THIRLWELL
2. One Field Seismologist	M. SMART
3. One Observer	D. TOWREY & K. HUNT
4. One Assistant Observer/Shooter	A. HAYDOCK
5. One Surveyor	A. JONES
6. One Assistant Surveyor	A. MEAGHER
7. Seven Recording Helpers	1. A. BLACK
	2. R. TODD
	3. A. MOORES
	4. B. CHESTER
	5. T. MILNE
	6. D. COOMBS
	7. M. ROSS
8. Two Drillers	1. G. SADDLER
	2. G. HARWOOD
9. Two Drill Helpers	1. R. IBELL
	2. M. RENATA
10. One Mechanic	D. THOMPSON & N. MURRAY
11. One Cook	A. TAYLOR
12. One Cook's Helper	H. WALL
13. One Chainman	W. WOODS

AS PER SCHEDULE B.

1. One Driller	A. DIXON
2. One Drill Helper	D. CHINCHEN
3. One Recording Helper	W. TROY

UNITED GEOPHYSICAL CORPORATION

WORK DONE: Lines recorded were:

100%: ZD SP's 51 - 65 ZE SP's 100 - 91
600%: ZA SP's 6/4 - 13/1

OPERATIONAL PROBLEMS: The most serious problem was radio failure in the shooting system as discussed for the Lake Andree Prospect. This only affected the stacked lines. The urgency of the work forestalled downtime for repairs.

Also to attempt to operate an entire crew from a line camp so far from the main camp causes many problems with both personnel and equipment - mostly because of lack of repair facilities. This became very evident on the last 2 days when small faults developed into what are now major repairs. It is a situation we should try to avoid in future.

EXPERIMENTAL WORK: Nil.

DATA QUALITY AND RESULTS: Record quality varied from fair to good on ZA to very good in places on ZD and ZE.

RECOMMENDATIONS: It became very obvious at the camp that we must be set up for either portable cables or land cables.

We should avoid if at all possible the whole crew working from a line camp so far from the main camp.

Respectfully submitted,

M. J. Wilson

M. J. Wilson
Party Chief.

Enc. Monthly Stats Sheet for Dec.
Progress Map
Crew List for Period.

cc: L. W. Pfitzner
File

MJW/cmc.

0013

Bondix

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Phone 21 4355

**Austral United
Geophysical Pty. Ltd.**

6-8 Marker Avenue,
MARLESTON S.A. 5033.

February 14th, 1972.

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

PARTY CHIEF'S MONTHLY PROGRESS REPORT

FOR

JANUARY 1972

SUMMARY OF OPERATIONS:

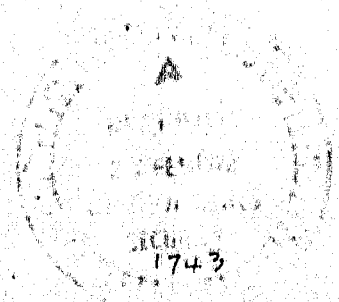
<u>Dates</u>	<u>Project</u>	<u>Type of Work</u>	<u>Charge Hours</u>	<u>Profiles</u>	<u>Profiles/ Chg. Hr.</u>	<u>Miles S.S.C.</u>
1-7	Crew on Break.					
8	Crew drive 170 miles to Inneminka No. 2 Bore					
1-15	Dunjeroo	100% Reflection	23	16	0.70	8.00
16	Setting up for Stack Work.					
17-31	Dunjeroo	600% Reflection	79½	238	2.98	21.32
		100% Reflection	3½	4	1.07	2.00
			<u>105½</u>	<u>258</u>	<u>—</u>	<u>31.32</u>

OBJECT: Dunjeroo Seismic Survey.

OBJECTIVES: To delineate the areal extent of several proposed or existing structures and mature possible well sites.

LOGS: Lines recorded were:

100%	-	ZI	SP's 50-59	ZI	SP's 100-95
600%	-	ZA	SP's 13/4-15/2	ZB	SP's 87/4-98/5
		WX	SP's 48/4-56/2	ZK	SP's 300-116
		ZL	SP's 20-216 (21 more SP's on line)		



OPERATIONAL PROBLEMS: Slow production was the most serious problem encountered. It was the result of a number of factors:-

- (a) Shooting radios unable to carry detonate tone - squelching the 2500 Hz signal attenuated the 500 Hz to such a degree that it would not trigger the detonate relay - A second brand of radios could accomplish this but due to their poor design and the rough conditions they continually fell apart.
Two new radios have been bought in the hope of solving this problem but unfortunately there is some delay in obtaining crystals. However, these 2 sets will be sent to the field as soon as possible.
- (b) The time involved in wiring patterns for stacked work was not fully realized from earlier 100% work. Really an additional man and vehicle are required to go ahead so the shooter has a minimal delay in preparing his shot.
- (c) Juggies being restricted to one vehicle since the other was required to wire patterns.
- (d) Flooding at Lyndhurst delayed the arrival of the full jug crew until the 19th. Also wet roads did hamper the supply lines from base camp at Andree for the earlier part of the month.

DATA QUALITY AND RESULTS: Record quality varied from poor to fair.

ZI and ZJ lines were generally poor and displayed some X-feed from the wet cables and jugs.

ZA, ZB and WX were generally fair while ZK and ZL lines varied between poor and fair.

DATA PROCESSING: Statics for lines ZI, ZJ, ZA, ZB and WX have been completed and submitted together with stacking diagrams.

Statics for ZK, ZL and ZM are being completed in the field by Mr. Ken Seedsman and will be sent as soon as available.

RECOMMENDATIONS: None at this stage.

Respectfully submitted,

M. J. Wilson
M. J. Wilson
Party Chief.

Enc. Monthly Stats Sheet for Jan.
Progress Map
Crew List for period
cc: L.H. Pfitzner
File

MJW/cc

PARTY 96 - PERSONNEL LISTAs at January, 1972AS PER SCHEDULE A.Austral United's Adelaide Office:

1. One Party Chief
2. One Computer
3. One Clerk
4. One Expediter-Supply Driver

M. J. WILSON
J. BURT
C. CHAMBERS
M. HEVEY

Austral United's Field Party:

1. One Field Manager
2. One Field Seismologist
3. One Observer
4. One Assistant Observer/Shooter
5. One Surveyor
6. One Assistant Surveyor
7. Seven Recording Helpers

S. THIRLWELL
M. SMART
D. TOWREY & K. HUNT
A. HAYDOCK
A. JONES
A. MEAGHER

1. M. NICHOLSON
2. R. O'NEILL
3. P. THOMPSON
4. A. BLACK
5. J. MONAGHAN
6. D. COOMBS
7. M. ROSS

8. Two Drillers

1. G. SADDLER
2. J. HARWOOD

9. Two Drill Helpers

1. R. IBELL
2. M. RENATA

10. One Mechanic

D. THOMSON & N. MURRAY

11. One Cook

A. TAYLOR

12. One Cook's Helper

H. WALL

13. Two Chainmen

1. W. WOOD

2. M. GRIFFITHS

AS PER SCHEDULE B.

1. One Driller
2. One Drill Helper
3. One Recording Helper

A. DIXON
D. CHINCHEN
W. TROY

0016ndlx

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Phone 21 4365

**Austral United
Geophysical Pty. Ltd.**

6-8 Marker Avenue,
MARLESTON S.A. 5033.

February 23rd, 1972

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

DUNJEROO SEISMIC SURVEY

Half Monthly Report, February 1 - 15th '72.

GENERAL: The crew completed the programmed lines in the Dunjeroo area on the 5th February, and moved back to main camp at Lake Andree on the 6th. One 600% line was completed in the Embarka area before moving back in to complete the Andree programme.

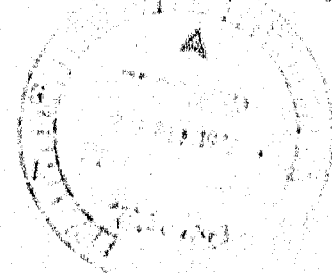
<u>STATISTICS:</u>	1. <u>Recording</u>	600%	300%	100%
	Total Recording Time	62	15½	11½ Hrs.
	Number of Production Profiles	149	28	9
	Subsurface Coverage	13.14	4.98	4.50
	2. <u>Drilling</u>			
	Total Drilling Time		217½	Hrs.
	Number Holes Drilled		1165	
	Number of Shotpoints		175	
	Total Footage		22,392	
	3. <u>Bulldozing</u>		Not yet available.	

RECORDING: Production for the period was:

600%	2.39 profiles/hr.
300%	1.78 profiles/hr.
100%	0.80 profiles/hr.

Record quality for the 600% work was generally poor to fair for the Dunjeroo lines and consistently fair for the Embarka line. Andree lines PAN and PAO were also fair.

An earlier line which had been shot in December was reshot as contractor cost to try to explain the deterioration in quality from previous work.



Page 2.

One day was lost waiting on drills when crew returned to Andree and 2 days were lost with T.B. - uphole relay.

DRILLING: An average of 103 feet/hr for the period was a result of shallow patterns being drilled in the Dunjeroo area. The rate will considerably fall for the second half of the month, now that single deep holes are being drilled.

DATA PROCESSING: Stacking Diagrams and Datum Statics for Lines ZA, ZB, WX, ZK, ZL and ZM were completed and submitted during the period.

DOZING: Dozer had a few problems on PAG Line with very high sandhills and a second Cat. was called in to relieve the pressure.

PERSONNEL: As per attached sheet.

REMARKS: None at this stage.

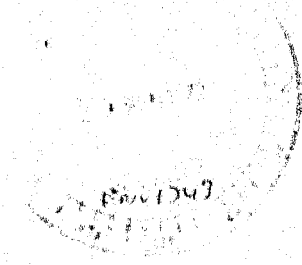
Respectfully submitted,

.....M. J. Wilson.....
M. J. Wilson,
Party Chief.

RJW/cc

cc: Delhi (7)
L.W. Pfitzner (1)
File (1)

Enc. Progress Map
Personnel List



PARTY 96 - PERSONNEL LISTAs at Mid February, 1972.AS PER SCHEDULE A.Austral United's Adelaide Office:

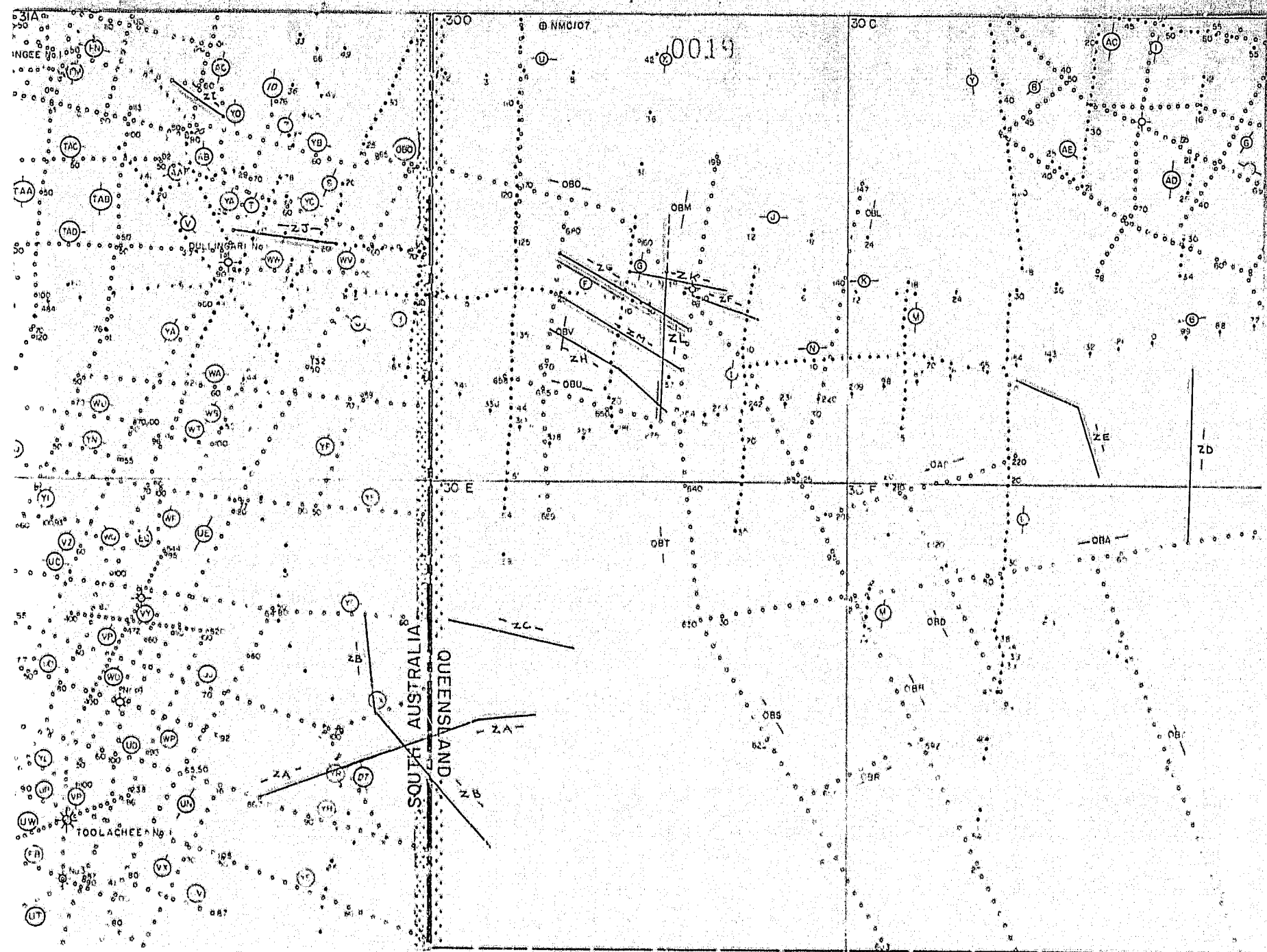
- | | |
|--------------------------------|--------------|
| 1. One Party Chief | M. J. WILSON |
| 2. One Computer | J. BURT |
| 3. One Clerk | C. CHAMBERS |
| 4. One Expediter-Supply Driver | M. HEVEY |

Austral United's Field Party:

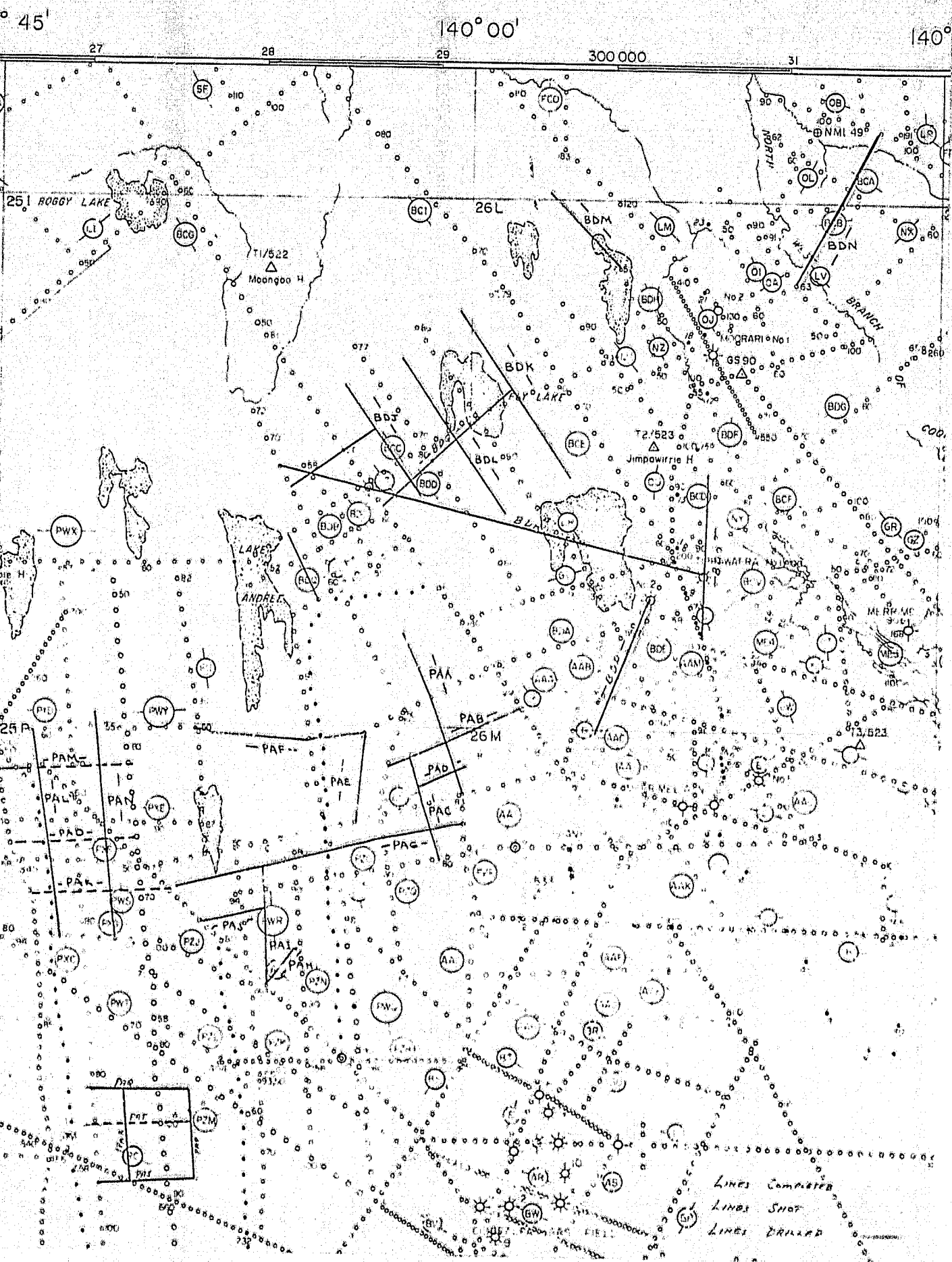
- | | |
|-----------------------------------|------------------------|
| 1. One Field Manager | S. THIRLWELL |
| 2. One Field Seismologist | M. SMART |
| 3. One Observer | K. HUNT |
| 4. One Assistant Observer/Shooter | A. HAYDOCK |
| 5. One Surveyor | A. JONES |
| 6. One Assistant Surveyor | A. MEAGHER |
| 7. Seven Recording Helpers | 1. M. NICHOLSON |
| | 2. R. O'NEILL |
| | 3. P. THOMPSON |
| | 4. A. BLACK |
| | 5. J. MONAGHAN |
| | 6. D. COOMBS |
| | 7. M. ROSS |
| 8. Two Drillers | 1. G. SADDLER |
| | 2. J. HARWOOD |
| 9. Two Drill Helpers | 1. R. IBELL |
| | 2. M. RENATA |
| 10. One Mechanic | D. THOMSON & N. MURRAY |
| 11. One Cook | A. TAYLOR |
| 12. One Cook's Helper | H. WALL |
| 13. Two Chainmen | 1. W. WOOD |
| | 2. M. GRIFFITHS |

AS PER SCHEDULE B.

- | | |
|-------------------------|-------------|
| 1. One Driller | A. DIXON |
| 2. One Drill Helper | D. CHINCHEN |
| 3. One Recording Helper | W. TROY |



0020



0021
Bendix

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Queensland, Australia
Phone 21 4355

**Austral United
Geophysical Pty. Ltd.**

6-8 Marker Avenue,
MARLESTON S.A. 5033.

28th February, 1972.

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

PARTY CHIEF'S MONTHLY PROGRESS REPORT

FOR

FEBRUARY, 1972.

SUMMARY OF OPERATIONS:

<u>Dates</u>	<u>Project</u>	<u>Type of Work</u>	<u>Charge Hours</u>	<u>Profiles</u>	<u>Profiles/ Chq.Hr.</u>	<u>Miles S.S.C.</u>
1-5	Dunjeroo	600% Reflection	30½	92	3.02	8.06
		100% Reflection	-	12	-	6.00
6	Crew return Lake Andree camp (170 Miles)					
7-11	Embarka	600% Reflection	19½	56	2.91	5.08
12-20	Andree	100% Reflection	52½	50	0.96	25.00
		300% Reflection	26½	50	1.87	8.48
21-26	Embarka	400% Reflection	63½	155	2.45	20.72
27-29	Crew on Break		—	—	—	—
			192	415	—	73.34

PROJECT: Dunjeroo Seismic Survey.

OBJECTIVES: To delineate the areal extent of several proposed or existing structures and mature possible well sites.



WORK DONE: Lines recorded were:

600% - ZL SP's 220 - 300: ZM SP's 220 - 500

100% - ZG SP's 100 - 89 Reshot at A.U.G. expense.

OPERATIONAL PROBLEMS: As in the January report, slow production was still the major concern. Production had improved considerably with the arrival of the remainder of the jug crew although shooting radio failure and the wiring of patterns still presented a problem.

DATA QUALITY AND RESULTS: Record quality was generally poor to fair, although the 600% stacked lines should result in good sections.

Line ZG which was reshot although poor did show an improvement on the earlier work.

DATA PROCESSING: Statics for all the Dunjerco Lines have been completed and sent to Playback Centre and the final sections are currently being waited on.

RECOMMENDATIONS: With the completion of Dunjerco field work I think the 18 hole patterns have proven to be the optimum shot pattern for the area. There appears to be an irregular weathering profile but this can effectively be overcome with a sufficient number of deeper holes to give reliable static correction. Multiple coverage lines are almost essential to reveal a more reliable subsurface profile.

PROJECT: Embarka Seismic Survey.

OBJECTIVES: To delineate the areal extent of several existing structures and mature possible well sites.

WORK DONE: Lines recorded were:

600% - BDP SP's 400 - 180

400% - BDQ SP's 288 - 24

BDR SP's 60 - 738

OPERATIONAL PROBLEMS: The only problem was as previously, the failure of the radios which necessitated the use of a firing cable. However, the crew, at this stage, had become reasonably adept at its use. Two new radios have been purchased and because of industrial problems were not able to be used this hitch, but will be fully operational for the next hitch.

Surface water from the flooding Cooper had inundated the south-east end of BDR Line and caused a few traces to be dropped.

DATA QUALITY AND RESULTS: Record quality was essentially good, showing several prominent reflections on raw field record. Being stacked lines these should eliminate multiples that appeared in conjunction with prominent reflections on earlier 100% lines in the vicinity.

DATA PROCESSING: Statics for Line BDP have been completed and transmitted to Playback. Lines BDQ and BDR are currently being worked now, and will be shipped in the next couple of days.

RECOMMENDATIONS: Sections from 100% Lines shot before Christmas all indicate that to accurately delineate structures and possible traps multiple coverage in current and future work will be of prime importance. Multiple reflections in the vicinity of prime horizons are tending to mask the true picture.

PROJECT: Lake Andree Seismic Survey

OBJECTIVES: To delineate the areal extent of several existing structures and mature possible well sites.

WORK DONE: Lines recorded were:

100% - PAN SP's 42 - 50	PAG SP's 79 - 88
PAQ 44 - 50	PAS 50 - 57
PAR 43 - 50	PAQ 57 - 50
300% - PAO SP's 232 - 16	PAT SP's 192 - 46

OPERATIONAL PROBLEMS: As with Embarka radio failure was still a problem.

However, also in the area the size of the dunes did slow the dozing up considerably. On 2 days the cat was only able to manage $1\frac{1}{2}$ miles per day after having to spend several hours on certain dunes. Likewise, the drills were waiting on the cat and a second dozer was brought in to relieve the situation. Possibly in future such problems could be foreseen and a relief cat started well in advance of the drills.

Recorders were shut down for 2 days with problems in T.B.-uphole circuit. Problem was caused by failure of a Field Effect Transistor to unscramble uphole pulse following T.B. A new transistor has at last been obtained and should remedy the problem for the next hitch.

DATA QUALITY AND RESULTS: Record quality was generally fair to good and should produce good sections.

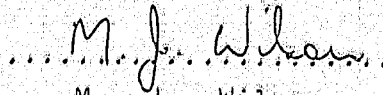
DATA PROCESSING: Statics for all lines except PAN and PAO have been completed and forwarded to the Playback Centre. PAN and PAO are currently being worked on and will be forwarded in the next few days. First break plots and depth of weathering are being calculated for these two lines.

UNITED GEOPHYSICAL CORPORATION

Page 4.

RECOMMENDATIONS: None at this stage.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "M. J. Wilson". The signature is written in a cursive, slightly slanted style.

M. J. Wilson
Party Chief.

Enc. Monthly Stat. Sheet for Feb.
Progress Map
Crew List for Period.

PARTY 96 - PERSONNEL LISTAs at February, 1972.AS PER SCHEDULE A.Austral United's Adelaide Office:

- | | |
|--------------------------------|--------------|
| 1. One Party Chief | M. J. WILSON |
| 2. One Computer | J. BURT |
| 3. One Clerk | C. CHAMBERS |
| 4. One Expediter-Supply Driver | M. HEVEY |

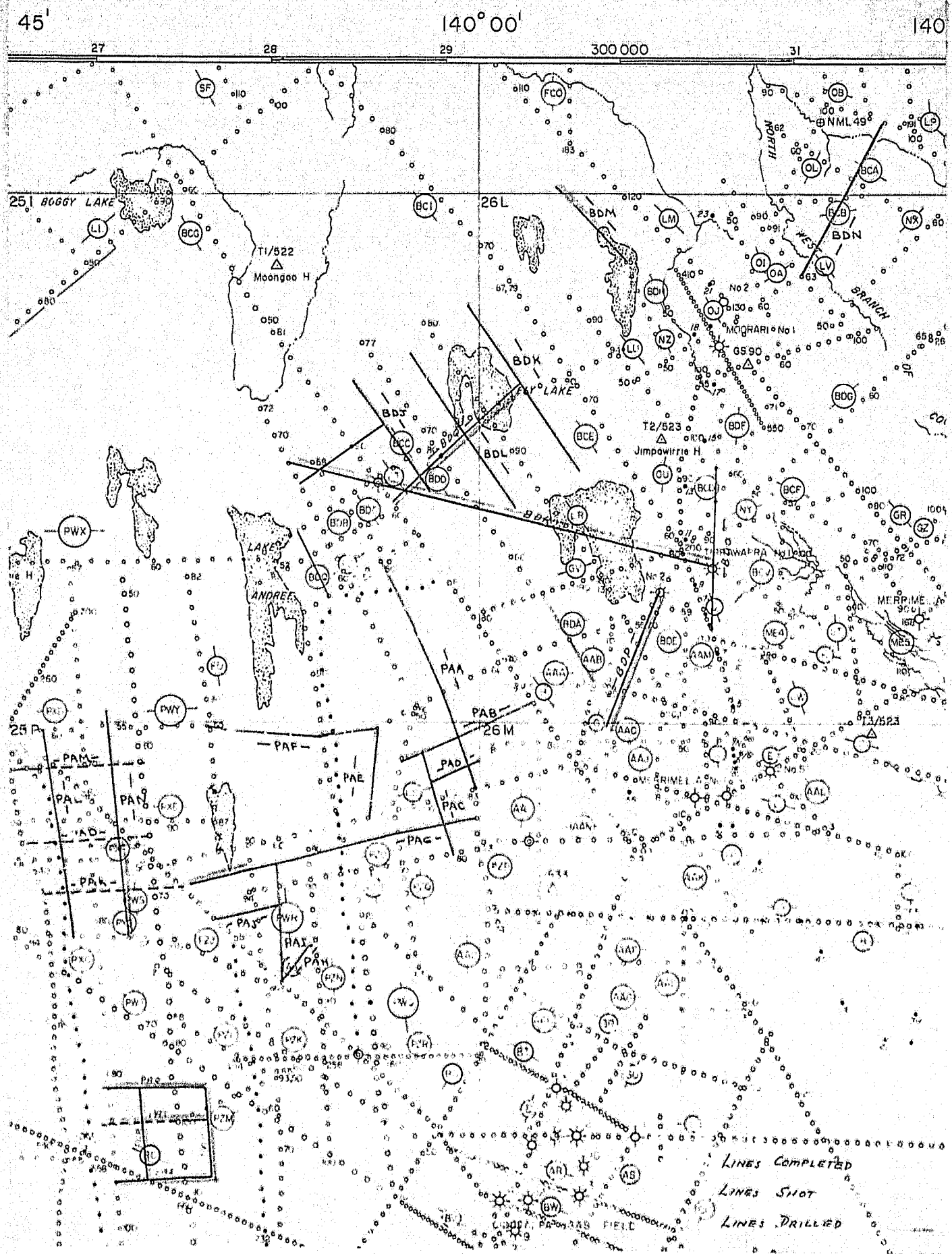
Austral United's Field Party:

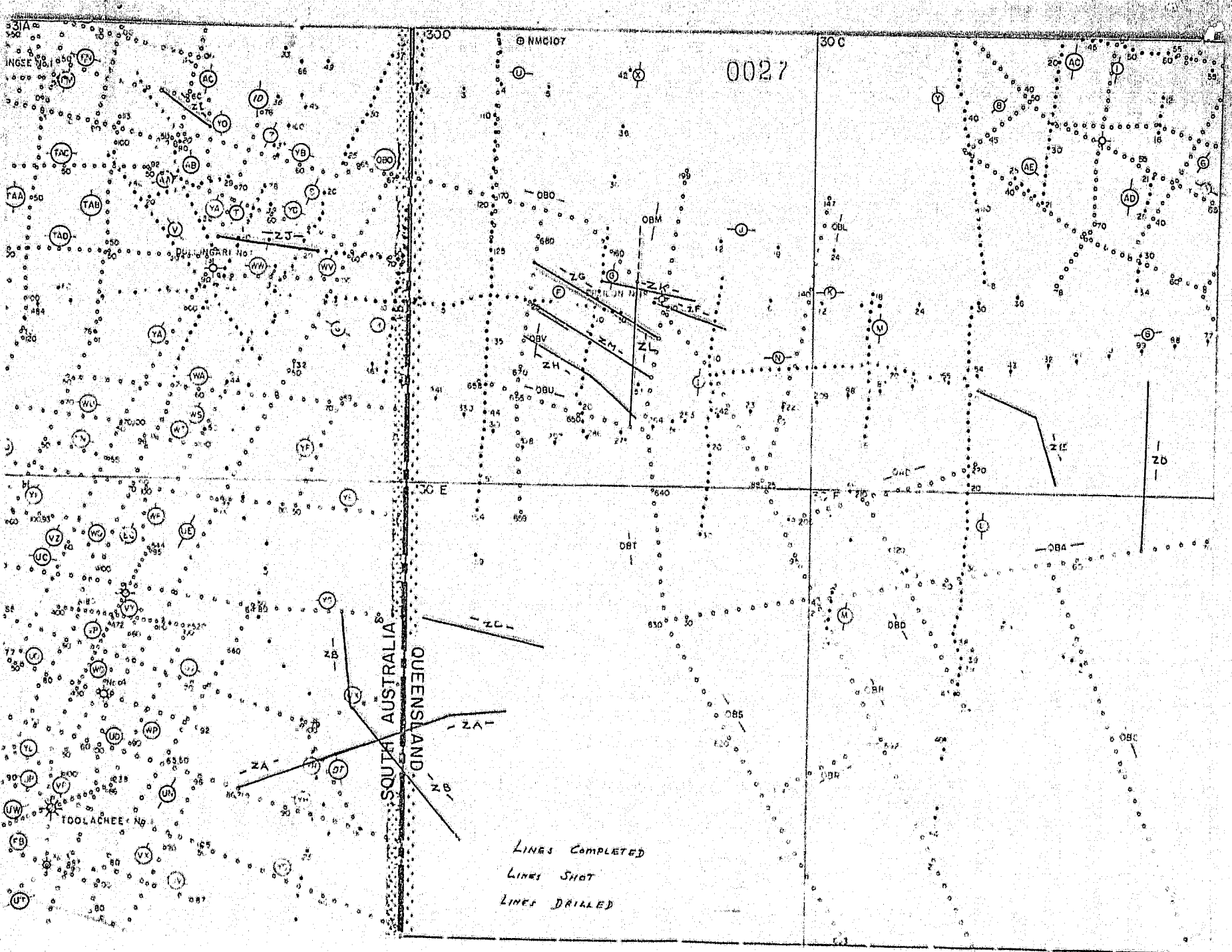
- | | |
|-----------------------------------|------------------------|
| 1. One Field Manager | S. THIRLWELL |
| 2. One Field Seismologist | M. SMART |
| 3. One Observer | K. HUNT |
| 4. One Assistant Observer/Shooter | A. HAYDOCK |
| 5. One Surveyor | A. JONES |
| 6. One Assistant Surveyor | A. MEAGHER |
| 7. Seven Recording Helpers | 1. M. NICHOLSON |
| | 2. R. O'NEILL |
| | 3. P. THOMPSON |
| | 4. A. BLACK |
| | 5. J. MONAGHAN |
| | 6. D. COOMBS |
| | 7. M. ROSS |
| 8. Two Drillers | 1. G. SADDLER |
| | 2. J. HARWOOD |
| 9. Two Drill Helpers | 1. R. IBELL |
| | 2. M. RENATA |
| 10. One Mechanic | D. THOMSON & N. MURRAY |
| 11. One Cook | A. TAYLOR |
| 12. One Cook's Helper | H. WALL |
| 13. Two Chainmen | 1. W. WOOD |
| | 2. M. GRIFFITHS |

AS PER SCHEDULE B.

- | | |
|-------------------------|-------------|
| 1. One Driller | A. DIXON |
| 2. One Drill Helper | D. CHINCHEN |
| 3. One Recording Helper | W. TROY |
| 4. One Extra Helper | J. PETERSEN |

0.026





MONTHLY STATISTICAL REPORT

DATE 9th NOVEMBER 1971 CLIENT: DELHI INTERNATIONAL OIL CORPORATION.

CONTRACTOR: AUSTRAL UNITED GEOPHYSICAL PTY. LTD.

AREA INNAMINCKA _____ PROSPECT DUNJEROO _____ STATE SOUTH AUSTRALIA _____ PARTY " 96-266

PARTY MANAGER M. WILSON SUPERVISOR L. W. PFITZNER

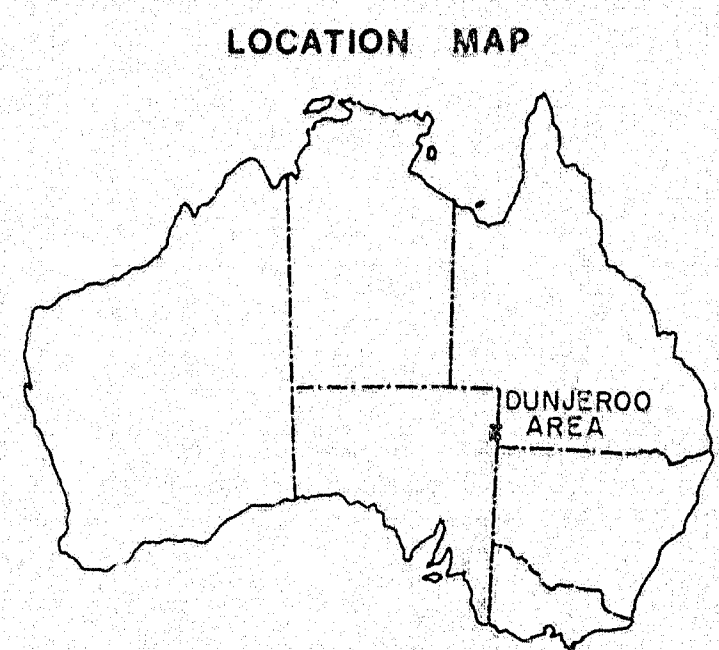
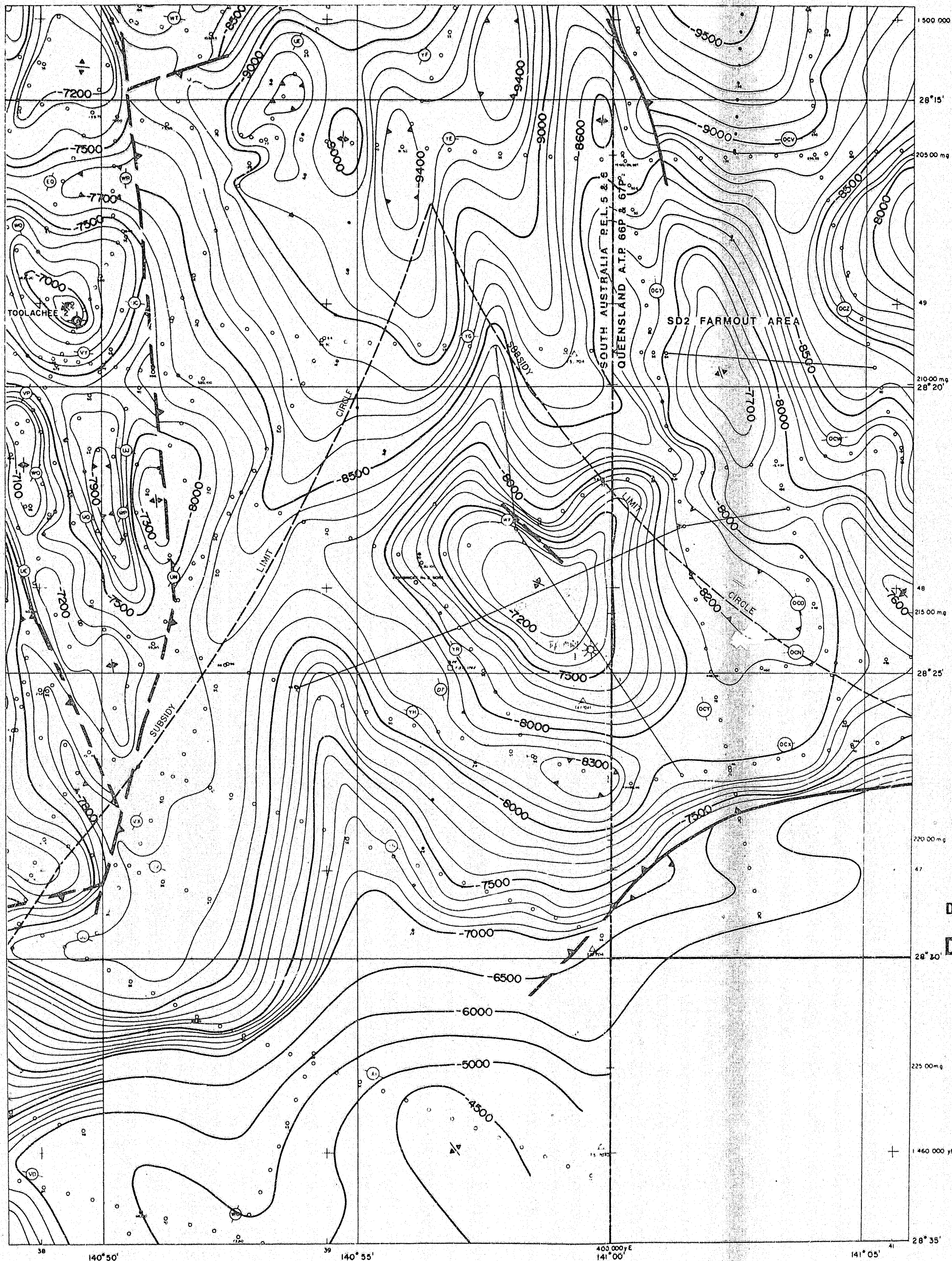
DATE & DAY		1-	2-	3-	4-	5-	6-	7-	8-	9-	10-	11-	12-	13-	14-	15-	16-	17-	18-	19-	20-	21-	22-	23-	24-	25-	26-	27-	28-	29-	30-	31-	COMMENTS														
RECORDING	UNIT #																															1745 12 PHONES 115' 0 115' 10' 10' 10' 10'	SHOT 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	HOLES 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25													
	TYPE AMP DI 800 TYPE GEOPH HSJ 14 N° GEOPHS/TRACE 24 TYPE SPREAD SPLIT SPREAD DIST LAYOUT 2640-720-220-2640 GEO ARRAY																																														
RECORDING	N° HOLES/SP N° SET-UPS N° PROFILES N° SHOTS N° TAPES SUBSURFACE COV'GE FIELD TIME DRIVING TIME TOTAL TIME ACCUMULATIVE HRS SPS DRILLED NOT SHOT																															3 1/2 1 1/2 5	TOTALS MONTH Set-ups Profiles Shots Tapes Miles Hours														
	RECEIVED USED ON JOB ON HAND TRANSFERRED RECEIVED USED ON JOB ON HAND TRANSFERRED RECEIVED USED ON JOB ON HAND TRANSFERRED																																														
EXPLOSIVE	RECEIVED USED ON JOB ON HAND TRANSFERRED																															lbs															
	RECEIVED USED ON JOB ON HAND TRANSFERRED																																														
DETONATORS	RECEIVED USED ON JOB ON HAND TRANSFERRED																															lbs															
	RECEIVED USED ON JOB ON HAND TRANSFERRED																																														
BOOSTERS	RECEIVED USED ON JOB ON HAND TRANSFERRED																															lbs															
	RECEIVED USED ON JOB ON HAND TRANSFERRED																																														
D 32	N° HOLES FOOTAGE FIELD TIME DRIVING TIME TOTAL TIME																															38 750 5 1/2 1 6 1/2	39 1065 8 1/2 1 9 1/2	57 1195 10 1 11	74 1410 9 1/2 1 10 1/2	60 1410 9 1/2 1 10 1/2	97 1895 8 1 1/2 10 1/2	20 450 8 1 1/2 9 1/2	* * 3 270 9 3/4	* * 3 270 9 3/4	3 270 9 3/4	20 405 10 1/2 1 1/2 11 1/2	9 810 10 1 1/2 10 1/2	417 8760 97 1/2 10 1/2 108	Holes Feet Hours		
	N° HOLES FOOTAGE FIELD TIME DRIVING TIME TOTAL TIME																																														
D 39	N° HOLES FOOTAGE FIELD TIME DRIVING TIME TOTAL TIME																															20 450 5 1/2 1 6 1/2	22 1090 10 1 11	6 300 9 1/2 1 10 1/2	40 1425 9 1/2 1 10 1/2	65 1440 9 1/2 1 10 1/2	76 1440 9 1/2 1 10 1/2	105 1440 9 1/2 1 10 1/2	21 585 6 1 1/2 7 1/2	62 1560 9 3/4 1 10 1/2	1 60 6 1/2 1 7 1/2	3 270 10 1 1/2 11	4 360 10 1/2 1 1/2 11	4 360 10 1/2 1 1/2 11	5 450 10 1/2 1 1/2 11	100 3600 63 1/2 5 1/2 68 1/2	Holes Feet Hours
	N° HOLES FOOTAGE FIELD TIME DRIVING TIME TOTAL TIME																																														
D 49	N° HOLES FOOTAGE FIELD TIME DRIVING TIME TOTAL TIME																															20 450 5 1/2 1 6 1/2	60 1440 15 1/2 2 17 1/2	45 1605 18 1/2 2 20 1/2	97 2095 19 1/2 2 21 1/2	139 2835 19 2 21	136 2850 19 2 21	98 2100 12 2 1/2 17	62 1560 9 3/4 1 10 1/2	60 1800 13 1 14	3 270 10 1 1/2 11	4 360 10 1/2 1 1/2 11	4 360 10 1/2 1 1/2 11	5 450 10 1/2 1 1/2 11	100 3600 63 1/2 5 1/2 68 1/2	Holes Feet Hours	
	N° HOLES FOOTAGE FIELD TIME DRIVING TIME TOTAL TIME																																														
GROUP TOTALS	N° HOLES FOOTAGE FIELD TIME DRIVING TIME TOTAL TIME																															20 450 5 1/2 1 6 1/2	60 1440 15 1/2 2 1														

ENV 743-1

10 CENTIMETRES ON ORIGINAL DRAWING

SUPERVISOR L W PELTZNER

ENV 1743-2



LEGEND

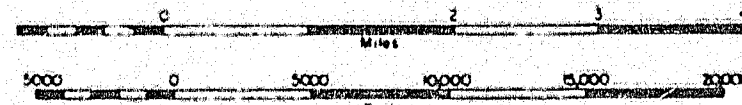
- REFLECTION SHOT POINT (UNITED)
- OTHER SHOT POINTS
- △ TELLUROMETER STATION
- INITIAL SEISMIC TRAVERSES

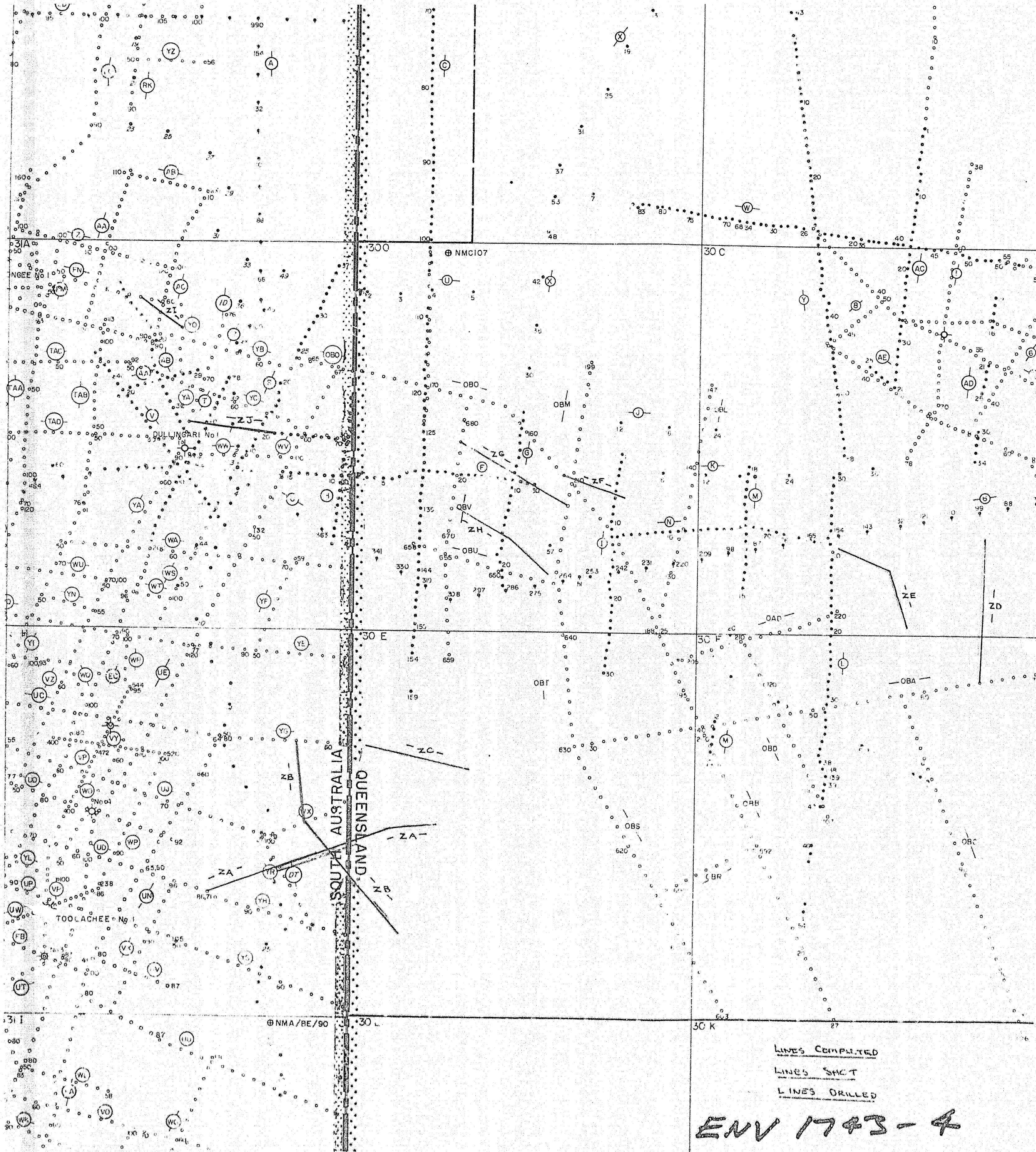
DELHI INTERNATIONAL OIL CORPORATION
DUNJEROO SEISMIC SURVEY
 SOUTH AUSTRALIA AND QUEENSLAND

BASE OF GIDGEALPA

CONTOUR INTERVAL 100 Feet VELOCITY ADJUSTED
 DATUM SEA LEVEL AUGUST 1971
 INTERPRETATION BY: A. MOORE

SCALE 1:100,000





MONTHLY STATISTICAL REPORT

DATE JANUARY 1972 CLIENT: DELHI INTERNATIONAL OIL CONTRACTOR: AUSTRAL UNITED GEOPHYSICAL PTY. LTD.
 AREA COOPER BASIN PROSPECT LAKE ANDREE STATE SOUTH AUSTRALIA PARTY # 96-266 PARTY MANAGER W.J.S. THIRLWELL SUPERVISOR L.W. PFITZNER

DATE & DAY	1-	2-	3-	4-	5-	6-	7-	8-	9-	10-	11-	12-	13-	14-	15-	16-	17-	18-	19-	20-	21-	22-	23-	24-	25-	26-	27-	28-	29-	30-	31-	COMMENTS
RECORDING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
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TYPE AMP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TYPE GEOPH. HSJ 14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N° GEOPH./TRACE 24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TYPE SPREAD SPL 17	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SPREAD DIST 2530	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
100%	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
2640	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
600%	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
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110 110 2530	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
HOLES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N° HOLES/SP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N° SET-UPS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N° PROFILES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N° SHOTS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N° TAPES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SUBSURFACE COV'GE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FIELD TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DRIVING TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TOTAL TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ACCUMULATIVE HRS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
SPS. DRILLED NOT SHOT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
EXPLOSIVE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
RECEIVED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
USED ON JOB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ON HAND	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TRANSFERRED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
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ON HAND	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TRANSFERRED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
BOOSTERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
RECEIVED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
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ON HAND	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TRANSFERRED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
D 32	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N° HOLES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FOOTAGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FIELD TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
DRIVING TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TOTAL TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
D 49	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N° HOLES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FOOTAGE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
FIELD TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
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TOTAL TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
D 39	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25</							

MONTHLY STATISTICAL REPORT

DATE NOVEMBER 1971 CLIENT:

AREA NAMANKA PROSPECT DUNJERGO STATE SOUTH AUST

PARTY 26-266

CONTRACTOR: AUSTRAL UNITED GEOPHYSICAL PTY. LTD.

PARTY MANAGER M.J. WILSON SUPERVISOR L.W. PFITZNER

DATE & DAY			1-	2-	3-	4-	5-	6-	7-	8-	9-	10-	11-	12-	13-	14-	15-	16-	17-	18-	19-	20-	21-	22-	23-	24-	25-	26-	27-	28-	29-	30-	31-	COMMENTS	
RECORDING																																			TOTALS
UNIT #																																		MONTH	
TYPE AMP																																		Set ups	
TYPE GEOPH																																		Profiles	
NO. GEOPHYS RATE																																		Shots	
TYPE SPREAD																																		Tapes	
SPREAD DIST																																		Miles	
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