The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 6 1969/70

ELBON A to P 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 10th December 1969, the following work was done:

Detailed geological mapping of the Red Terror - Blackboy Mine area was completed at a scale of 1"=40'.

Photo-mapping of parts of the area is due to commence.

Gridding was completed in the Nob West area, the 31W anomaly area, and is in progress in the Nob South area. A total of 210,000 line feet of gridding was completed this period using three survey crews six days per week. In addition 30,000 line feet of reconnaissance gridding was done adjacent to the Eldorado leases. Some of this gridding was carried out by contractors.

Ground magnetometry was completed in the Nob West area and is in progress in the 31W anomaly area.

No further diamond drilling was carried out in the 31W anomaly area because of drilling difficulties. Another hole is planned later this financial year. Drilling commenced again in the Red Terror - Blackboy Mine area and a total of 546' was completed for the period. The diamond drilling was carried out by contractors.
Magnetic susceptibility metering of all the past years Elbon diamond drill core was completed and the data is now in the hands of the Company's Consulting Geophysicist.

A water bore was drilled on the Elbon Authority to Prospect near the Rising Sun area. The bore served the dual purpose of testing for water and testing a magnetic anomaly at 450'. The bore was drilled by contractors using a large percussion rig with a down-the-hole hammer.

Plans are in hand for a 20,000' auger drilling programme on the area in January. The Mines Branch has been approached on the matter of hiring at least one rig and crew.

| Expenditure for Period 6       | $13,856.00 |
| Expenditure for year to date   | $55,327.00 |

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY
Exploration Managers for NOBELEX N.L.

L.F. ROACH
General Manager.
3rd February 1970.

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sir,

NOBLEX N.L. EXPLORATION REPORT - PERIOD 7 1969/70

ELBON A to P 2386.

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 7th January 1970, the following work was done:

DDH363 (co-ords 1120N/1300W: dip 60°: brg 180°T)
Black boy/Red Terror area: - advanced from 546' to 900' in normal Warramunga sediments. The hole intersected a basic dyke which outcrops as a weathered sheared sericitic rock at the surface. Thin section examination of the rock by Mr. Both of Adelaide University confirms that it is dyke-rock. At this stage it was thought that the dyke perhaps could be the cause of the magnetic anomaly.

DDH364 (co-ords 1400W/1021N: dip 55°: brg 180°T)
Black boy-Red Terror area - advanced from 0' to 205' in Warramunga sediments. This hole also intersected the basic dyke at 185'. It was then possible to calculate dip and strike of the dyke, and this information was sent to our Consulting Geophysicist to see if the dyke could be the answer to the anomaly. He has since indicated that the dyke is not the cause, and drilling is proceeding.

Expenditure for Period 7 $9694.00
Expenditure for year to date $65021.00

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY
Exploration Managers for NOBLEX N.L.

L.F. ROACH
General Manager.
6th March 1970

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT PERIOD 8 1969/70
ELBON A to P 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 4th February 1970, the following work was done:

Red Terror area: DDH 364 advanced 545'6" to completion at 750'6". The source of the magnetic anomaly was not intersected and no further drilling is planned until a full re-appraisal of the area is completed. Any future programmes will include deeper drilling of the original copper-bearing ironstone intersection in DDH 343, the first hole in the area.

Z1 (31H) area: Government auger drilling commenced midway through the period. 192 holes totalling 3867' were drilled. Sampling and drilling methods as originally set out were found to be impractical and time consuming. Due to the deep bulldust cover and dryness of the ground hole bottom samples are impossible to obtain.

Approximately 10% of holes drilled have not reached bedrock due to the presence of a hard calcrete layer at approximately 8 feet.

The presence of a talc/carbonate zone in this area has upgraded its copper potential.

Reconnaissance of the area south of the Red Terror - New Hope line commenced. Photomapping of this area will commence in Period 9. All detailed ground magnetics are in our consultant's hands.

Expenditure for Period 8 $6,600.00
Expenditure for year to date $71,621.00

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY EXPLORATION MANAGERS FOR NOBELEX N.L.

L.F. ROACH
General Manager.
2nd April, 1970.

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN, N.T. 5790,

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 9 1969/70

ELBON A to P 2396

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 4th March, 1970, the following work was done:

Red Terror Area: Geological mapping and topographic contouring were finalized. Further appraisal of the area for drilling proposals is in progress. Substantial site preparation will be required.

Red Terror S.E. Area: Limited geological reconnaissance. Auger drilling is proposed to locate the sediment/porphyry contact.

Auger drilling has been completed in the Z1 and New Hope areas and 70% completed in the 113E area. A total of 4,613 feet was completed for the period. No interesting geochemical results have been obtained to date, but useful geological information has been obtained.

Ground magnetometry commenced in the Z2 area using the Elsec magnetometer.
Auger drilling has indicated the presence of a narrow talc zone south of Noble's Nob over a length of at least two miles roughly coincident with the Z1-Z2 magnetic anomalies. This talc zone lies roughly parallel to the northern boundary of a major granitic belt, and about 5,000' north. Enclosing rocks are normal to weakly phyllitic sediments.

Expenditure for Period 9 $827.00
Expenditure for year to date $72,448.00

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY,
Exploration Managers for NOBELEX N.L.,

L.F. ROACH,
General Manager.
20th April, 1970

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sirs,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 10.1969/70

ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 1st April 1970, the following work was done:

Photomapping - Approximately ½ of Run 43 covering the area between the Red Terror and the New Hope mines were completed. Several magnetic anomalies were located on porphyry - sediment contacts in this area by previous surveys. A wide sequence of fine grained chloritic Mudstone and Siltstone was located between 00W and 20000W which appears similar to the "Peko Shale" and has the same relationship to the porphyry at Peko. Further magnetics may be warranted at a later date.
Auger Drilling - The programme was completed mid-way through the period. A total of 10,023 feet was drilled in 644 holes. A summary of this work is being prepared.

Diamond Drilling - A report on the 1969/70 Elbon programme was completed.

New Hope-Comstock IA Leases - Plane table mapping continued around the New Hope ironstone outcrops. A geological plan, based in part on a Geopeko plan of the area is being prepared.

Expenditure for Period 10 $812.00
Expenditure for year to date $73,260.00

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY,
Exploration Managers for, NOBELEX N.L.

L. F. Roach

L.F. ROACH,
General Manager.
27th May, 1970

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 11 1969/70

ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 29th April 1970, the following work was done:—

Photomapping of the Red Terror South East area was largely completed. Limited plane table mapping of the Red Terror anomaly carried out. Plans and cross sections finalized. Site preparation completed for two D.D.H's to test Cu intersection.

One day was spent in ground reconnaissance of the Z2 anomaly. No outcrops were located over the peak, but granite outcrops approximately one mile south. Dust hole proposed to test 315W peak of Z1 anomaly.

Expenditure for Period 11                      $6,686
Expenditure for year to date                   $79,946

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY;
Exploration Managers for NOBELEX N.L.,

L. F. ROACH,
"General Manager."
6th July, 1970

The Director,
Mines & Water Resources Branch,
N.T. Administration,

DARWIN  N.T.  5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 12 1969/70

ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 27th May 1970, the following work was done:-

Geological mapping at 1" = 1000ft from the recent colour aerial photography continued.

No geochemical anomalies resulted from the recent programme of auger drilling.

Z1 Anomaly - S.H.D.H. 87 was collared at -90° at 3050S, 31500W. Drilled to 698'6" in chloritic phyllitic sediments to test the 315W peak of the anomaly. No assays are yet at hand. Deviation was extreme and it is doubtful if the target area was tested. Check magnetometry lines, as requested by Austral Exploration Services completed.
Red Terror Prospect - Remapping commenced at 1" = 40'. A portion of the anomaly peak was pegged at 25' x 25' spacing as requested by Austral Exploration Services.

Expenditure for Period 12 $3,113
Expenditure for year to date $83,059

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY,
Exploration Managers for NOBELEX N.L.,

L. F. ROACH,
General Manager.
31st July, 1970

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT – PERIOD 13 1969/70
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 24th June 1970, the following work was done:

The Annual Report for the N.T.A. was completed.

Red Terror Area - Sander magnetometry over lines pegged at the request of Austral Exploration Services completed.

Z1 Anomaly - Assays of S.H.D.H. 87 indicate anomalous Au values coincident with an area of high magnetic susceptibility in the lower part of the hole. A cross section was sent to Austral Exploration Services to assist in interpretation of the anomaly.

Z2 Anomaly - Sander magnetometry on this anomaly south of Noble's Nob completed on 800' x 100' spacing, and

..2..
has not confirmed the peak indicated by low-level aeromagnetics. Additional gridding is proposed west and north of the present block and limited fill-in work will be carried out between lines to locate smaller peaks massed in the first programme.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditure for Period 13</td>
<td>$6,574</td>
</tr>
<tr>
<td>Expenditure for year to date</td>
<td>$89,633</td>
</tr>
</tbody>
</table>

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY,
Exploration Managers for NOBELEX N.L.,

L. F. ROACH
General Manager.

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN  N.T.  5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 1 1970/71
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 22nd July 1970, the following work was done:

**Z2 Anomaly** - Fill-in gridding of the Z2 Anomaly by Australian Development N.L. personnel commenced and 22,600 line feet completed.

**Y Anomaly** - A 4,000 ft. N-S line was run south from 46400W on the Elbon West baseline in an effort to locate the peak of the "Y" Anomaly. This anomaly will be blocked-in by contract surveyors and completed by Australian Development N.L. personnel.

**Red Terror Area** - Appraisal of the Red Terror area is continuing. The magnetic interpretation of McPhar Geophysics has been received. Their anomaly center is not significantly different from that of Austral Exploration Services, but the body is thought to be pipe-like in character and thus difficult to test by drilling. A further hole was recommended by McHars.
Z1 Anomaly - Austral Exploration Services' interpretation received and drilling proposal in preparation.

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 1</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding (line feet)</td>
<td>26,600</td>
<td>26,600</td>
</tr>
</tbody>
</table>

Application for renewal of this Authority to Prospect was made in July.

- Expenditure for Period 1. $683
- Expenditure for year to date. $683
- Expenditure on A. to P. to date. $90,316

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY,
Exploration Managers for NOBELEX N.L.,

L.F. ROACH,
General Manager.
11th September, 1970.

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 2 1970/71
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 19th August 1970, the following work was done:-

Renewal for a further period of twelve months to 3.9.71 granted.

**Z2 Anomaly** - A total footage of 88,600 line feet of gridding on a 400' x 100' spacing was completed by A.D.N.L. personnel. Ground magnetometry was also completed and sent to A.E.S. for contouring and interpretation.

**Y Anomaly** - 38,000 line feet of blocking-in at 100 ft. spacing by contract surveyors was completed. Reconnaissance magnetometry verified this anomaly on the ground. An additional 5,000 line feet at 100 ft. spacing was completed by A.D.N.L. personnel in preparation for three auger drill traverses.
Red Terror - Fourteen samples, collected from DDH 363 as requested by A.E.S. were susceptibility metered and sent for remanent magnetism determinations. No core was available for remanent magnetism from DDH 343. 17 samples were also collected and susceptibility metered for Ian Hone, Honours Student, at Adelaide University. He is particularly interested in the correlation between lithology and susceptibility in DDH's 360, 363 and 343.

Z1 Anomaly - Drilling proposal in hand.

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 2</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>131,600</td>
<td>158,200</td>
</tr>
</tbody>
</table>

Expenditure for Period 2. $3,016
Expenditure for year to date $3,699
Expenditure on A. to P. to date $93,332

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY;
Exploration Managers for NOBBLEX N.L.,

[Signature]

for L.F. ROACH,
General Manager.
2nd October, 1970.

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN     N.T.     5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 3 1970/71
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 16th September 1970, the following work was done:—

Footage Summary:
Gridding  
Period 3: 3,000
Year To Date: 161,200

Red Terror — Preparation of cross-sections and a geological interpretation complete.

Y Anomaly — Fill-in gridding at 400'x100' by A.D.N.L. personnel commenced. 3,000 line feet completed to date.

Expenditure for Period 3  
Expenditure for year to date  
Expenditure on A. to P. to date  
$1,165
$4,864
$94,497

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY,
Exploration Managers for NOBELEX N.L.,

For L.F. ROACH,  
General Manager.
12th November, 1970.

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN    N.T.    5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 4 1970/71
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 14th October 1970, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 4</th>
<th>Year To Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>20,000</td>
<td>181,200</td>
</tr>
<tr>
<td>Auger Drilling</td>
<td>750</td>
<td>750</td>
</tr>
</tbody>
</table>

Red Terror Area - 1" = 1000' photomapping is progressing.

Y Anomaly - Fill-in gridding at 200' x 100' by A.D.N.L. personnel is continuing. An additional 17,000 line feet completed, bringing the total to date to (1) 20,000 line feet by A.D.N.L. staff and (2) 38,000 line feet by contract surveyors.

A programme of auger drilling over this anomaly was completed by Government drillers. This was terminated
short of the planned number of holes after the drilling of 31 holes for a total footage of 750 ft. The poor success of this rig in the area due to the depth of the bedrock (30 ft.), several hard calcareous layers and the poor return of bedrock chip samples. No geochemical anomaly was evident along the line drilled.

Area south-east of Nob Leases - 1" = 1000' photomapping is progressing.

Expenditure for Period 4 $653
Expenditure for year to date $5,517
Expenditure on A. to P. to date $95,150

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY,
Exploration Managers for NOBELEX N.L.

L. F. Roach

L.F. ROACH,
General Manager.
2nd December, 1970.

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 5 1970/71
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 11th November 1970, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 5</th>
<th>Year To Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>50,000</td>
<td>231,200</td>
</tr>
<tr>
<td>Auger Drilling</td>
<td>Nil</td>
<td>750</td>
</tr>
</tbody>
</table>

Red Terror Area - Photo-mapping at 1"=1000' around the anomaly area which included M.L. 382E completed. The mapping has shown that the anomaly is possibly due to a facies of sediments which are more arenaceous and contain disseminated magnetite. Revision of the section 1500W was undertaken.

Y Anomaly - A further 50,000 line feet of 200'x100' fill-in gridding by A.D.N.L. personnel completed the gridding over this anomaly.
Total gridding was 1) 70,000 line feet by A.D.N.L. personnel, 2) 38,000 line feet by contractors.

Two water bores and a well were located within the anomaly area which enabled the grid to be tied in to the old Cabbage Gum Basin work, carried out by the Government Water Resources Branch.

The locating of porphyry chips from the well and possible porphyry from the most southern auger holes indicate that this anomaly is possibly due to an ironstone occurring on a porphyry contact. Other cases of this are Craig Dhu and Puki Iti and (Jubilee?).

**Area south of Nob Leases - 1" = 1000' photo mapping continued.**

<table>
<thead>
<tr>
<th>Expenditure for Period 5.</th>
<th>$3,204</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditure for year to date.</td>
<td>$8,721</td>
</tr>
<tr>
<td>Expenditure on A. to P. to date.</td>
<td>$98,354</td>
</tr>
</tbody>
</table>

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY,
Exploration Managers for NOBBLEX N.L.,

L. F. Roach
L.F. ROACH,
General Manager.

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sirs,

NOBBLEX N.L. EXPLORATION REPORT - PERIOD 6 1970/71
ELBCON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 9th December, 1970, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 6</th>
<th>Year To Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>Nil</td>
<td>231,200</td>
</tr>
<tr>
<td>Auger Drilling</td>
<td>Nil</td>
<td>750</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>108,000</td>
<td>108,000</td>
</tr>
</tbody>
</table>

Red Terror Area - Drill hole proposed to test the magnetic and geologically favourable target zone. It was necessary to renovate 1,200 ft. of the old grid and prepare a 200 ft. sight line for the rig. Mapping of the porphyry outcrop to the west of the Red Terror area was completed.

...2...
Y Anomaly - 108,000 line feet of magnetometry by Austral Exploration Services completed coverage of this area.

Z2 - Magnetic contours received from our consultant.

Area south of Nob Leases - 1"=1000' mapping suspended.

Expenditure for Period 6. $697
Expenditure for year to date. $9,394
Expenditure on A. to F. to date. $99,051

Yours faithfully,

AUSTRALIAN DEVELOPMENT NO LIABILITY;
Exploration Managers for NOBELEX N.L.,

L.F. ROACH,
General Manager.

The Director,
Mines & Water Resources Branch,
N.T. Administration,
DARWIN N.T. 5790

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 7 1970/71
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 6th January 1971, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 7</th>
<th>Year To Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>Nil</td>
<td>231,200</td>
</tr>
<tr>
<td>Auger Drilling</td>
<td>Nil</td>
<td>750</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>Nil</td>
<td>108,000</td>
</tr>
</tbody>
</table>

Low level aeromagnetometry flying was completed along the southern block of the prospect.

Y Anomaly - Ground magnetic contours received from our consultant.

Expenditure for Period 7. $841
Expenditure for year to date. $10,235
Expenditure on A. to P. to date. $99,892

Yours faithfully,

AUSTRALIAN DEVELOPMENT LIMITED,
Exploration Managers for NOBELEX N.L.,

L.F. ROACH,
General Manager.

The Director,
Mines & Water Resources Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 8 1970/71
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 3rd February, 1971, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 8</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>Nil</td>
<td>231,200</td>
</tr>
<tr>
<td>Auger Drilling</td>
<td>Nil</td>
<td>750</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>Nil</td>
<td>108,000</td>
</tr>
<tr>
<td>Percussion Drilling</td>
<td>350 ft.</td>
<td>350</td>
</tr>
</tbody>
</table>

**Red Terror Anomaly** A pre-collar for a diamond drill hole was completed to 350 ft.

- Expenditure for Period 8: $3,205
- Expenditure for year to date: $13,440
- Expenditure on A. to P. to date: $103,097

Yours faithfully,
AUSTRALIAN DEVELOPMENT LIMITED
Exploration Managers for NOBELEX N.L.

L. F. ROACH
General Manager.
The Director,
Mines & Water Resources Branch,
Northern Territory Administration,
DARWIN,  N.T.  5790.

22nd March, 1971.

Dear Sir,

NOBELEX EXPLORATION REPORT - PERIOD 9 1970/71
ELDON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 3rd March, 1971, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 9</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>Nil</td>
<td>231,200</td>
</tr>
<tr>
<td>Auger Drilling</td>
<td>Nil</td>
<td>750</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>Nil</td>
<td>108,000</td>
</tr>
<tr>
<td>Percussion Drilling</td>
<td>Nil</td>
<td>350</td>
</tr>
</tbody>
</table>

No work for the period

Expenditure for Period 9  $161
Expenditure for year to date $13,601
Expenditure on A. to P. to date $103,258

Yours faithfully,
AUSTRALIAN DEVELOPMENT LIMITED
Exploration Managers for NOBELEX N.L.

L. F. Roach
General Manager.
22nd April, 1971.

The Director,
Mines & Water Resources Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 10 1970/71
ELDON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 31st March, 1971, the following work was done:

The low-level aeromagnetics covering the southern strip of this A.P. were received. No "A" grade anomalies were noted.

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 10:</th>
<th>Year to Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>Nil</td>
<td>231,200</td>
</tr>
<tr>
<td>Auger drilling</td>
<td>Nil</td>
<td>750</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>Nil</td>
<td>108,000</td>
</tr>
<tr>
<td>Percussion drilling</td>
<td>Nil</td>
<td>350</td>
</tr>
</tbody>
</table>

Expenditure for Period 10          $320
Expenditure for year to date       $13,921
Expenditure for A.P. to date       $103,578

Yours faithfully,
AUSTRALIAN DEVELOPMENT LIMITED
Exploration Managers for NOBELEX N.L.

L. F. ROACH,
General Manager.

The Director,  
Mines & Water Resources Branch,  
Northern Territory Administration,  
DARWIN, N.T. 5794.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 11 1970/71  
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the four weekly period ended 28th April, 1971, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 11</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Girdding</td>
<td>N11</td>
<td>231,200</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>N11</td>
<td>108,000</td>
</tr>
<tr>
<td>Auger Drilling</td>
<td>N11</td>
<td>750</td>
</tr>
<tr>
<td>Percussion Drilling</td>
<td>N11</td>
<td>350</td>
</tr>
</tbody>
</table>

No field work carried out during the period.

Expenditure for Period 11 $631
Expenditure for year to date $14,552
Expenditure on A. to P. to date $104,209

Yours faithfully,

AUSTRALIAN DEVELOPMENT LIMITED  
Managing Agents for NOBELEX N.L.

L. F. ROACH,  
General Manager

P.S. 26.3.71
The Director,
Mines & Water Resources Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT PERIOD 13 1970/71
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect we report that for the five week period ended 30th June, 1971, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 13:</th>
<th>Year to Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>Nil</td>
<td>231,200</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>Nil</td>
<td>108,000</td>
</tr>
<tr>
<td>Auger Drilling</td>
<td>Nil</td>
<td>750</td>
</tr>
<tr>
<td>Percussion Drilling</td>
<td>Nil</td>
<td>350</td>
</tr>
</tbody>
</table>

No field work carried out during the period.

Expenditure for Period 13  $264
Expenditure for year to date $14,816
Expenditure on A. to P. to date $104,473

Yours faithfully,

AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH
General Manager.

The Director,
Mines & Water Resources Branch.
Northern Territory Administration.
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT — PERIOD 1 1971/72
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect, we report that for the four week period ended 28th July, 1971, the following work was done:

No field work was carried out during the period.

Expenditure for Period 1 $164
Expenditure for year to date $164
Expenditure on A. to P. to date $104,637

Yours faithfully,

AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH,
General Manager.
Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 2 1971/72
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect, we report that for the four week period ended 25th August, 1971, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary:</th>
<th>Period 2:</th>
<th>Year to Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>41,300</td>
<td>41,300</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>26,000</td>
<td>26,000</td>
</tr>
</tbody>
</table>

**7300W Prospect:** The grid in this area was renovated and run with the Sander magnetometer.

**Z3 Prospect:** A small closure on the low-level aeromagnetics between Y and Z1 was located on the ground. This is currently being gridded.

- Expenditure for Period 2: $370
- Expenditure for year to date: $370
- Expenditure on A. to P. to date: $105,007

Yours faithfully,

AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH,
General Manager.

The Director,
Mines & Water Resources Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 3 1971/72
ELDON A. TO P. 2386

In compliance with condition three of our Authority to Prospect, we report that for the four week period ended 22nd September, 1971, the following work was done:-

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 3</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>9,700</td>
<td>51,000</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>16,500</td>
<td>42,500</td>
</tr>
</tbody>
</table>

7300W Prospect: Further gridding was completed but has not yet been run with a magnetometer.

Z3 Prospect: Gridding and magnetometry on this prospect have been completed, results reduced and a contour plan drawn up.

Expenditure for Period 3 $270
Expenditure for year to date $640
Expenditure on A. to P. to date $105,277

Yours faithfully,

AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH,
General Manager.
8th November, 1971.

The Director of Mines,
Mines Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. - EXPLORATION REPORT - PERIOD 4 1971/72
ELBON A. TO P. 2386

In compliance with condition three of our Authority to
Prospect, we report that for the four week period ended 20th October,
1971, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 4</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>Nil</td>
<td>51,000</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>Nil</td>
<td>42,500</td>
</tr>
</tbody>
</table>

No field work carried out during the period.

Expenditure for Period 4  
$23

Expenditure for year to date  
$663

Expenditure on A. to P. to date  
$105,300

Yours faithfully,

AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH,
General Manager.
6th December, 1971.

The Director,
Mines Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT – PERIOD 5 1971/72
ELDON A. TO P. 2386

In compliance with condition three of our Authority to Prospect, we report that for the four week period ended 17th November, 1971, the following work was done:

Footage Summary:  Period 5:  Year to Date:
Gridding  Nil  51,000
Magneometry  Nil  42,500

No field work was carried out during the period.

Expenditure for Period 5  Nil
Expenditure for year to date  $663
Expenditure on A. to P. to date  $105,300

Yours faithfully,
AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH,
General Manager.
10th January, 1972.

The Director,
Mines Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 6 1971/72
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect, we report that for the four week period ended 15th December, 1971, the following work was done:-

Footage Summary: Period 6: Year to Date:
Gridding Nil 51,000
Magnetometry Nil 42,500

No field work was carried out for the period.

Expenditure for Period 6 Nil
Expenditure for year to date $663
Expenditure on A. to P. to date $105,300

Yours faithfully,
AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH
General Manager.
17th February, 1972.

The Director,
Mines Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 7 1971/72
ELBON A. TO F. 2386

In compliance with condition three of our Authority to Prospect, we report that for the four week period ended 12th January, 1972, the following work was done:

<table>
<thead>
<tr>
<th>Footage Summary:</th>
<th>Period 7</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>Nil</td>
<td>51,000</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>Nil</td>
<td>42,500</td>
</tr>
</tbody>
</table>

Photo mapping at 1" = 1,000' has been commenced east of the Rising Sun, and has continued to approximately four miles east of the Red Terror. Some surface samples have been taken for analysis but results are not yet to hand.

Expenditure for Period 7  $200
Expenditure for year to date  $863
Expenditure on A. to F. to date  $105,500

Yours faithfully,

AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH
General Manager.

RHM:JS:2/4

The Director,
Mines Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 8 1981/72
ELBON A. TO F. 2386

In compliance with condition three of our Authority to
Prospect, we report that for the four week period ended 9th
February, 1972, the following work was done:-

<table>
<thead>
<tr>
<th>Footage Summary</th>
<th>Period 8</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gridding</td>
<td>0</td>
<td>51,000</td>
</tr>
<tr>
<td>Magnetometry</td>
<td>0</td>
<td>42,500</td>
</tr>
</tbody>
</table>

Photo mapping has been completed from south of Juno Mine to the
eastern end of the A. to P. Numerous rock chip samples were taken of
the porphyritic dacite and associated tuffs and ironstones. Assessment
of results is proceeding as mapping continues.

Expenditure for Period 8 $274
Expenditure for year to date $1,137
Expenditure on A. to P. to date $105,774

Yours faithfully,
AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH,
General Manager.

RHW:JS:2/4
30th March, 1972.

The Director,
Mines Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBBLEX N.L. EXPLORATION REPORT - PERIOD 9 1971/72
ELBON A. TO P. 2386

In compliance with condition three of our Authority to Prospect, we report that for the four week period ended 8th March, 1972, the following work was done:-

<table>
<thead>
<tr>
<th>Activity</th>
<th>Period 9</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profile Gridding</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Detail Gridding</td>
<td>Nil</td>
<td>51,000</td>
</tr>
<tr>
<td>Detail Magnetometry</td>
<td>Nil</td>
<td>42,500</td>
</tr>
<tr>
<td>Assays Submitted</td>
<td>Nil</td>
<td>18</td>
</tr>
<tr>
<td>Regional Mapping (sq. mls.)</td>
<td>6.0</td>
<td>31.2</td>
</tr>
<tr>
<td>Expenditure for Period 9</td>
<td>$693</td>
<td></td>
</tr>
<tr>
<td>Expenditure for year to date</td>
<td>1,830</td>
<td></td>
</tr>
<tr>
<td>Expenditure for A. to P. to date</td>
<td>106,467</td>
<td></td>
</tr>
</tbody>
</table>

Yours faithfully,
AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBBLEX N.L.

L. F. ROACH
General Manager.
2nd May, 1972.

The Director,
Mines Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

NOBELEX N.L. EXPLORATION REPORT - PERIOD 10 1971/72
BLOCN A. TO P. 2386

In compliance with condition three of our Authority to Prospect, we report that for the four week period ended 5th April, 1972, the following work was done:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Period 10</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profile Gridding</td>
<td>Nil</td>
<td>2,000</td>
</tr>
<tr>
<td>Detail Gridding</td>
<td>15,000</td>
<td>66,000</td>
</tr>
<tr>
<td>Detail Magnetometry</td>
<td>32,000</td>
<td>74,500</td>
</tr>
<tr>
<td>Assays Submitted</td>
<td>Nil</td>
<td>18</td>
</tr>
<tr>
<td>Regional Mapping (sq. Mls.)</td>
<td>4.3</td>
<td>35.5</td>
</tr>
</tbody>
</table>

Expenditure for Period 10 $656
Expenditure for Year to Date $2,486
Expenditure on A. to P. to date $107,123

Yours faithfully,
AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.

L. F. ROACH,
General Manager.

RHW: JSB:
26th May, 1972.

The Director,
Mines Branch,
Northern Territory Administration,
DARWIN, N.T. 5790.

Dear Sir,

Nobelex N.L. Exploration Report - Period 11 1971/72

Elbon A. to P. 2386

In compliance with condition three of our Authority to Prospect, we report that for the four week period ended 3rd May, 1972, the following work was done:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Period 11</th>
<th>Year to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profile Gridding</td>
<td>N11</td>
<td>2,000</td>
</tr>
<tr>
<td>Detail Gridding</td>
<td>26,800</td>
<td>92,800</td>
</tr>
<tr>
<td>Detail Magnetometry</td>
<td>N11</td>
<td>74,500</td>
</tr>
<tr>
<td>Reconnaissance Magnetometry</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Auger Drilling</td>
<td>518</td>
<td>518</td>
</tr>
<tr>
<td>Assays Submitted</td>
<td>33</td>
<td>51</td>
</tr>
<tr>
<td>Regional Mapping (sq.mls.)</td>
<td>2.0</td>
<td>37.5</td>
</tr>
<tr>
<td>Expenditure for Period 11</td>
<td></td>
<td>$729</td>
</tr>
<tr>
<td>Expenditure for year to date</td>
<td></td>
<td>$3,215</td>
</tr>
<tr>
<td>Expenditure on A. to F. to date</td>
<td></td>
<td>$107,852</td>
</tr>
</tbody>
</table>

Yours faithfully,

Australian Development Limited
Managing Agents for Nobelex N.L.

L. F. Roach
General Manager.
<table>
<thead>
<tr>
<th>APPLICANT</th>
<th>NOBELEX N.L.</th>
<th>AREA Granted</th>
<th>$35-00</th>
</tr>
</thead>
<tbody>
<tr>
<td>2386</td>
<td></td>
<td>35 sq. miles</td>
<td>$35-00</td>
</tr>
</tbody>
</table>

**APPROVED**

**PERIOD**

**LOCATION**

(TENANT CREEK) NOBLES NOB

**MINERALS**

**DESCRIPTION**

ALL

WARARA MUNGA

---

ALL THAT piece or parcel of land in the Northern Territory of Australia containing an area of 35 square miles more or less, the boundaries of which are described as follows:

Commencing at the intersection of latitude 19 degrees 41 minutes 45 seconds with longitude 134 degrees 12 minutes 25 seconds then proceeding to the intersection of latitude 19 degrees 42 minutes 00 seconds with longitude 134 degrees 15 minutes 20 seconds then proceeding to the intersection of latitude 19 degrees 42 minutes 40 seconds with longitude 134 degrees 16 minutes 00 seconds then proceeding to the intersection of latitude 19 degrees 42 minutes 51 seconds with longitude 134 degrees 17 minutes 50 seconds then proceeding to the intersection of latitude 19 degrees 42 minutes 10 seconds with longitude 134 degrees 17 minutes 40 seconds then proceeding to the intersection of latitude 19 degrees 42 minutes 45 seconds with longitude 134 degrees 27 minutes 42 seconds then proceeding to the intersection of latitude 19 degrees 44 minutes 54 seconds with longitude 134 degrees 27 minutes 00 seconds then proceeding to the intersection of latitude 19 degrees 53 minutes 57 seconds with longitude 134 degrees 11 minutes 40 seconds then to the point of commencement excluding therefrom all reserves, all mining tenements held or applied for and all rail and road reserves.

---

**Application for Renewal**

2-7-70

<table>
<thead>
<tr>
<th>Period</th>
<th>Twelve (12) Months to 3 Sept. '71</th>
</tr>
</thead>
</table>

**Approved**

5/8/70

9/3/70

---

No. 45 Approval for Renewal

7/6/71

19.8.71