

# PECHINEY DEVELOPMENT LIMITED NPL

SUITE 701 - 744 WEST HASTINGS ST., VANCOUVER 1, B.C., CANADA  
AREA CODE 604 TELEPHONE 687-1564 TELEX 04-53301

# 5148

Diamond drill program on the IAN  
group of claims, situated 2 miles  
east of Ahdatay Lake, Omineca Mining  
Division, British Columbia, N.T.S.  
93 NW, Longitude  $124^{\circ}47'30''$ ; Lati-  
tude  $55^{\circ}20'30''$  and owned by and on  
behalf of Pechiney Development Ltd.  
(N.P.L.)

Field work from July 15 to July 30,  
1974.

# 93N/7W

Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. <b>5148</b> MAP.....
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Report by  
W. G. Hainsworth, P. Eng.  
Canadian Exploration  
Manager  
September 24, 1974


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MAPS

- #1 Location Map of IAN claims
  - #2 Diamond Drill Hole Coordinates
- 



I CLAIMS - LOCATION - ACCESS

The IAN group of claims is composed of a block of six claims, which were staked on the 20th of July 1972 and recorded on the 31st of July 1972.

The claims are recorded as follows:

<u>Claim Name</u>	<u>Record No.</u>
IAN 1	113 945
IAN 2	113 946
IAN 3	113 947
IAN 4	113 948
IAN 5	113 949
IAN 6	113 950

The claims are located 2 miles east of Ahdatay Lake and some 70 miles northeast of the town of Fort St. James; the approximate coordinates of the claims are X = 124°47'30"; Y = 55°20'30" on N.T.S. map 93 N.

Access to the claims is possible by helicopter only from the base of Fort St. James.

The relief is smooth as the claims are located on top of a small hill, drained by a creek running northward. The ground is fairly swampy in some areas. The underbrush is not too thick; penetration therefore is fairly easy.

## II PREVIOUS WORK

- geological mapping in 1972
- geochemical and soil survey in 1973; I.P. done by McPhar Geophysics Ltd. Report previously submitted.

## III WORK DONE SINCE JULY 31, 1973

Treatment of IP data by computer to obtain mixed readings which led to the drawing of a frequency effect map. This map was used to plan the drill hole locations.

In July three drill sites were prepared: two on the IAN group of claims and one on the adjoining IAN-B group of claims.

Drill sites and heliports were cleared up by a professional line-cutter from Smithers, Mr. Jerry Auger. One helper was provided to him by Pechiney Development Ltd., Mr. Charles French from Takla Landing.

Drilling was started on July 17 and terminated on July 27, 1974.

The first hole was located on IAN # 4 claim at 10W on line 500S. It was drilled vertically but had to be stopped at 54' because of caving-in.

From the same set-up another hole was tried at a 45° angle in direction of the assumed volcanic intrusive contact. Again this hole had to be abandoned because of caving in at 100'. The drill was then winched some 60 feet westwards and the drilling resumed. Again this hole had to be stopped at 103'.

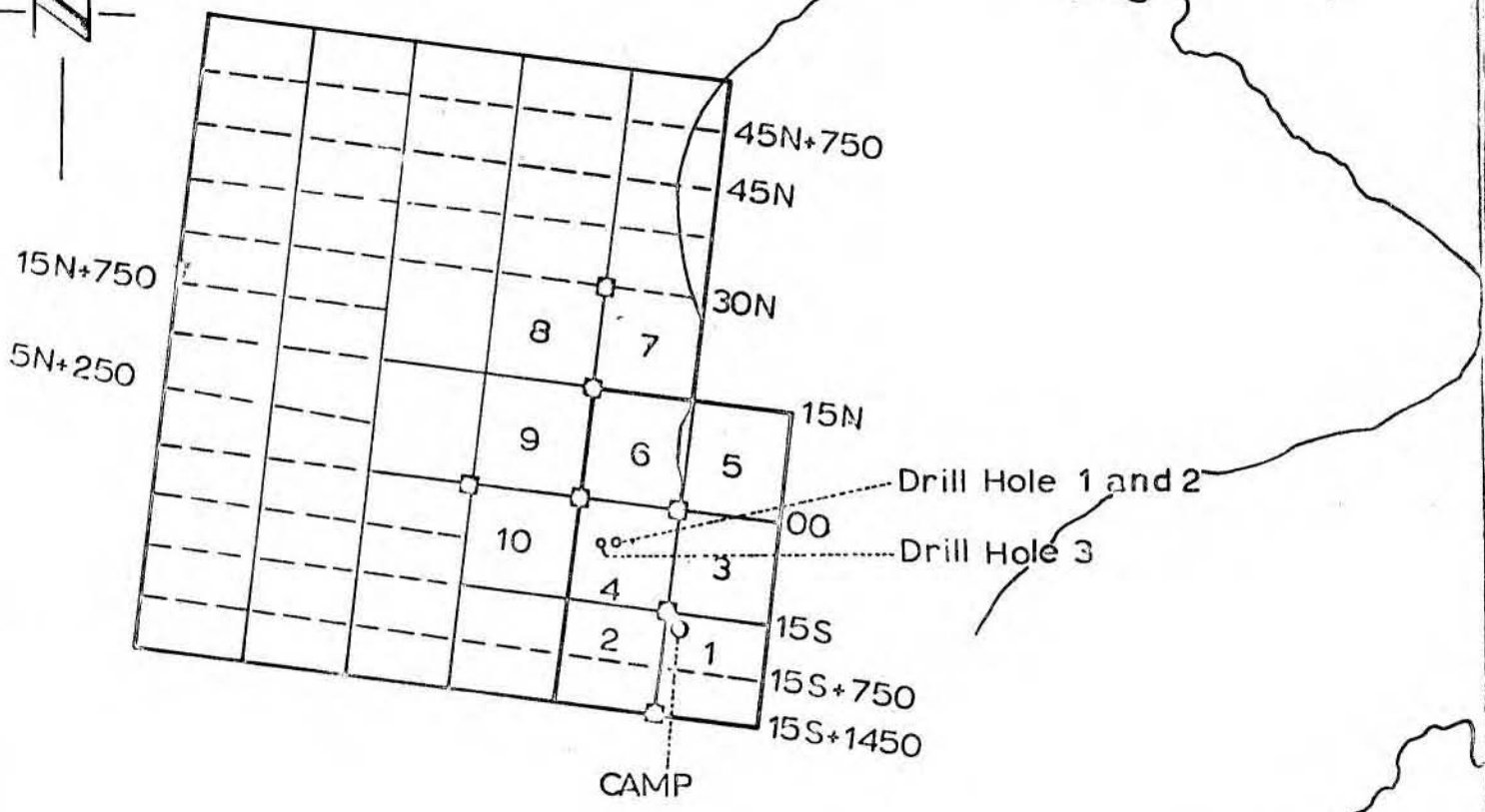
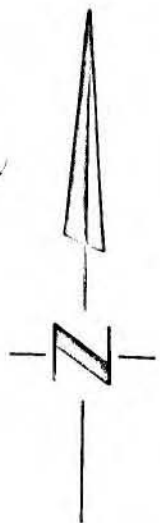
#### IV LOGS OF DRILL HOLES

Please see attached drill logs.

Respectfully submitted,



W. G. Hainsworth, P. Eng.



Department of  
 Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
 NO. **5148** MAP **#2**

IAN GROUP

IAN 1 to IAN 6 in heavy outline

DIAMOND DRILL HOLE COORDINATES  
From #2 Post IAN # 4

Hole #	South	West
# 1	600'	900'
# 2	600'	900'
# 3	600'	960'

SCALE: 1 inch = 1/2 mile





APPENDIX II

COST STATEMENT

PHYSICAL

(July 14 and 15, 1974)

Building heliport and drill sites

- Jerry Auger - 2 days @ \$100	\$200	
- Charles French - 2 days @ \$30	60	\$ 260

Helicopter support for above work  
2 hrs. @ \$300

	<u>600</u>	\$ 860.00
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DRILLING      AQ Size

1. Drilling costs on IAN # 4  
July 18 - July 26, 1974

D.D.H. # 1 angle 90°, depth 54'  
D.D.H. # 2 angle -45°, depth 100'  
D.D.H. # 3 angle -70°, depth 103'

Cost of moving to D.D.H. # 1	\$ 1,323.20	
Cost of drilling & reaming D.D.H. # 1	596.84	
Cost of setting up D.D.H. # 2	58.89	
Cost of drilling & reaming D.D.H. # 2	1,224.26	
Cost of moving to D.D.H. # 3	393.88	
Cost of drilling D.D.H. # 3	<u>1,102.62</u>	\$4,699.69

2. Food for drilling crew supplied  
by Pechiney Development Ltd.

5 men, 8 days \$7/man/day \$ 280.00

3. Helicopter support - Okanagan Helicopters Ltd.

206 Bell from Germansen Landing at \$300/hour  
10 hours


3,000.00

TOTAL

\$ 8,839.69  
=====

520  
2279

\$3,600.00 of the above work to be applied to the IAN # 1 - 6  
mineral claims for three years

  
W. G. Hainsworth, P. Eng.  
Canadian Exploration Manager

APPENDIX IV

DRILL LOGS







APPENDIX III

DRILL CONTRACT

*Germanen Landing*

THIS AGREEMENT made this 27th day of May, 1974.

BETWEEN: PECHINEY DEVELOPMENT LIMITED,  
Suite 701 - 744 West Hastings,  
Vancouver 1, B.C.  
Hereinafter referred to as the COMPANY  
of the first part.

AND: WRIGHT DRILLING LTD.,  
1510 Windward Place,  
Kamloops, B.C. V2E 1A6  
Hereinafter referred to as THE CONTRACTOR  
OF THE SECOND PART.

WHEREAS the Company has requested the Contractor to complete a minimum of 3300 feet of drilling and other services as set forth on the property of the Company in the GERMANSEN-AREA in the Province of British Columbia.

AND WHEREAS the Contractor has agreed to do the said Diamond drilling and to perform the other services requested upon the terms, conditions and provisos herein contained.

NOW THEREFORE this agreement Witnesseth that in consideration of the payment of the amounts herein stipulated and of the mutual covenants hereinafter contained, the parties agree as follows:

THE Company is responsible for all rights of ingress, egress and permits required for cutting timber on access roads and drill sites.

SCHEDULE OF RATES - CORING

THAT the Company hereby employ the Contractor to drill on said property a series of bore holes using a AQ core barrel producing a core of approximately 1 1/16 inches. The Company agrees to pay the following schedule of rates:

<u>FROM</u>	<u>TO</u>	<u>PRICE/FOOT</u>
0' - 400' in depth		\$8.50
<u>Casing</u>		
0' - 25' in depth		\$8.50
25' - 50' in depth		\$9.50
50' - over		Field Cost

MOVING BETWEEN HOLES - SETTING UP - TEARING DOWN:

The above work would be carried out on a Field cost basis. Tractor or Helicopter, supplied at no cost to the Contractor.

TRANSPORTATION:

The Contractor will move his surface drill and auxillary equipment from his base to Germanesen Landing and return from Germanesen Landing to his base for the lump sum of \$600.00. The movement of men, equipment and supplies from Germanesen Landing to first drill site and return from last site to Germanesen Landing would be performed on a non - operating Field Cost basis.

WATER SUPPLY:

The above schedule includes the laying, maintaining and removal of the waterlines up to a distance of 2000 feet and/or lifts of 200 feet. Should the distance be greater, then the supplying of the water would be pro-rated. The above distance to the Contractors account and the "over" to the Company on a Field Cost basis. Heating water, if ever necessary, would be on a Field Cost basis.

STANDBY:

Standby, Dip testing, Delay time or other time which the Contractors crew are performing services, for the Company, not otherwise covered herein, shall be performed at a Field Cost basis.



DRILLING WITH MUD:

Should mud be required to help penetrate the overburden and/or aid in core recovery, it would be supplied at cost on the drill site, plus ten percent. Time employed mixing mud and stabilizing the drill hole would be charged on a Field Cost basis.

CEMENTING:

That the Company agrees to pay the Contractor for the cementing of the bore holes to stop cave-ins on an operating Field Cost basis. Waiting for cement to set would be charged on a non-operating Field Cost basis.

REAMING AND CASING:

That the Company agrees that all reaming and casing that is necessary to stop cave-ins or maintain the return flow of water shall be complete at the Company's request and that the cost of performing such reaming and placing of such casing as may be required will be charged on a Field Cost basis. Casing would be charged at the rate of \$0.60 per reamed foot.

DIRECTIONAL AND CONTROLLED DRILLING:

That it is mutually agreed that directional drilling to change the direction of a bore hole and controlled drilling to maintain the angle of a bore hole shall not be part of this agreement.

SECURITY:

That the Contractor will not give out any information regarding drill results or access to core to any person other than to the Company's representative.

BOARD AND LODGING:

The Contractor will supply his own camp at no cost to the company. The setting up and tearing down camp will be on a non-operating Field cost basis. On Field cost work camp and cook will be charged out at \$35.00 per day.

CORE BOXES:

If requested, would be supplied on the drill site at cost, plus ten percent.

DRILLING SITES:

That the Contractor agrees to case and drill on the sites and at angles and azimuths selected by the Company's representative and to follow the instructions of the said representative relating to place and time of drilling.

PAYMENTS:

That the Company agrees to make payments at the rates herein before specified in accordance with the terms hereinafter set out, that is, for all work done hereunder between the first and 15th day and the 16th and last day of the month, payment shall be due and payable in 15 days. Interest at a rate of twelve percent per annum shall be added to all accounts more than thirty days overdue, from date of invoice. These payments shall be made as the work progresses in conformity with the Contractor's semi-monthly invoices.

HELICOPTER:

All cost of Helicopters will be on the Company's account.

FIELD COST:

That the Company agrees that the following rates shall apply when certain work as defined in this Contract is performed on a field cost basis. "FIELD COST" is defined as all direct labour, including supervision, drill and support equipment per hour, and cost pipe or casing lost, Diamond loss materials and supplies consumed, fuel and camp at cost, plus ten percent.

OPERATING FIELD COST:

labour	\$7.50 per man hour
drill equipment	\$6.50 per drill hour
truck	\$25.00 per drill shift

NON-OPERATING FIELD COST:

Labour	\$7.50 per man hour
Drill equipment	N/C
Truck	\$25.00 per day

THE COMPANY AGREES:

Should cavities, loose or caving ground or excessive water flow be encountered in a hole so that future drilling in that hole is deemed impracticable, that hole, by mutual consent, be abandoned and the Contractor be paid at rates so specified herein for all footage completed in that hole. However, should the Company request that further work be carried out in the hole beyond this point, then the Contractor shall continue work in the hole, such continuing work shall be at Field Cost rates, so long as the abnormal conditions noted above persist, and normal drilling is not possible.

COMPENSATION:

That the Contractor agrees that the men employed by him in the performance of this Contract shall be fully covered under the Workmen's Compensation laws according to the Province of British Columbia and will keep such men covered and will pay the assessment required and will protect the Company from any action arising therefrom, excluding however, claims arising out of any negligent act or omission of the Company, its servants or agents.

INSURANCE AND GENERAL:

That the Contractor, at its own cost, shall maintain insurance to the following limits: Liability and Property Damage - \$500,000.00.

That the Contractor does not guarantee to drill any hole to any specified depth. The Contractor will, however, expend every reasonable effort to complete all holes to the satisfaction of the Company.

Should this drill program be continue beyond the road closure to Fort St. James, it will be the Company's responsibility to move drill equipment and supplies to Fort St. James at no cost to the Contractor.

IN WITNESS WHEREOF these presents have been executed by the parties hereto the day and year first above written:

SIGNED, SEALED AND DELIVERED  
in the presence of

\_\_\_\_\_

*[Signature]*

\_\_\_\_\_

635-136 Victoria  
Kamloops B.C.

\_\_\_\_\_

\_\_\_\_\_

PECLINEY DEVELOPMENT LIMITED.

*[Signature]*

WRIGHT DRILLING LTD.,

+ *[Signature]*

\_\_\_\_\_

June 5, 1974

AMENDMENT to Contract at Germansen Landing drill program:

RE: BOARD AND LODGING

The Company will supply all groceries, expiditing and all transportation at no cost to the Contractor, but with expense keep to a minimum.

PECHINEY DEVELOPMENT LIMITED

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WRIGHT DRILLING LTD.

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*D. Wright*