

PERCUSSION DRILLING REPORT
ON THE
MARA #1 CLAIM
Similkameen Mining Division, B.C.

for

MARA MINERALS & OILS INC.
770 McFarlane Tower,
700 - 4th Avenue S.W.
Calgary, Alberta
T2P 3J4

by

J.P. ELWELL, P. Eng.
1026 - 510 West Hastings Street
Vancouver, B.C.

November 12th, 1980

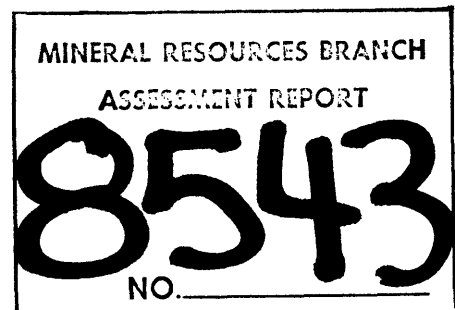


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APPENDICES

- APPENDIX "A" — COPY OF ASSAY CERTIFICATE
- APPENDIX "B" — COPIES OF INVOICES

MAPS

- 1: 50,000 scale location map of Mara #1 Claim-follows p.
- 1: 5,000 scale of Mara #1 claim showing location of percussion drill holes
- 1" to 100' vertical sections through drill holes

PERCUSSION DRILLING REPORT
MARA #1 CLAIM, SIMILKAMEEN
MINING DIVISION, B.C.

INTRODUCTION

During the period October 15th through October 19th 1980 a total of 1,030 feet (314 M) of percussion drilling in seven vertical holes was completed on the Mara #1 claim, the objective of the drilling being to sample the bedrock as recommended by the company's consultant.

Drilling conditions were adverse, as the overburden, consisting of sand, gravel, and boulders exceeded 100 feet in depth. Three holes were abandoned due to caving, but four holes successfully penetrated the bedrock, and representative samples were taken at ten foot intervals, logged to determine rock type, and submitted for geochemical analysis for copper and molybdenum. The results of each hole are discussed in detail in a following section.

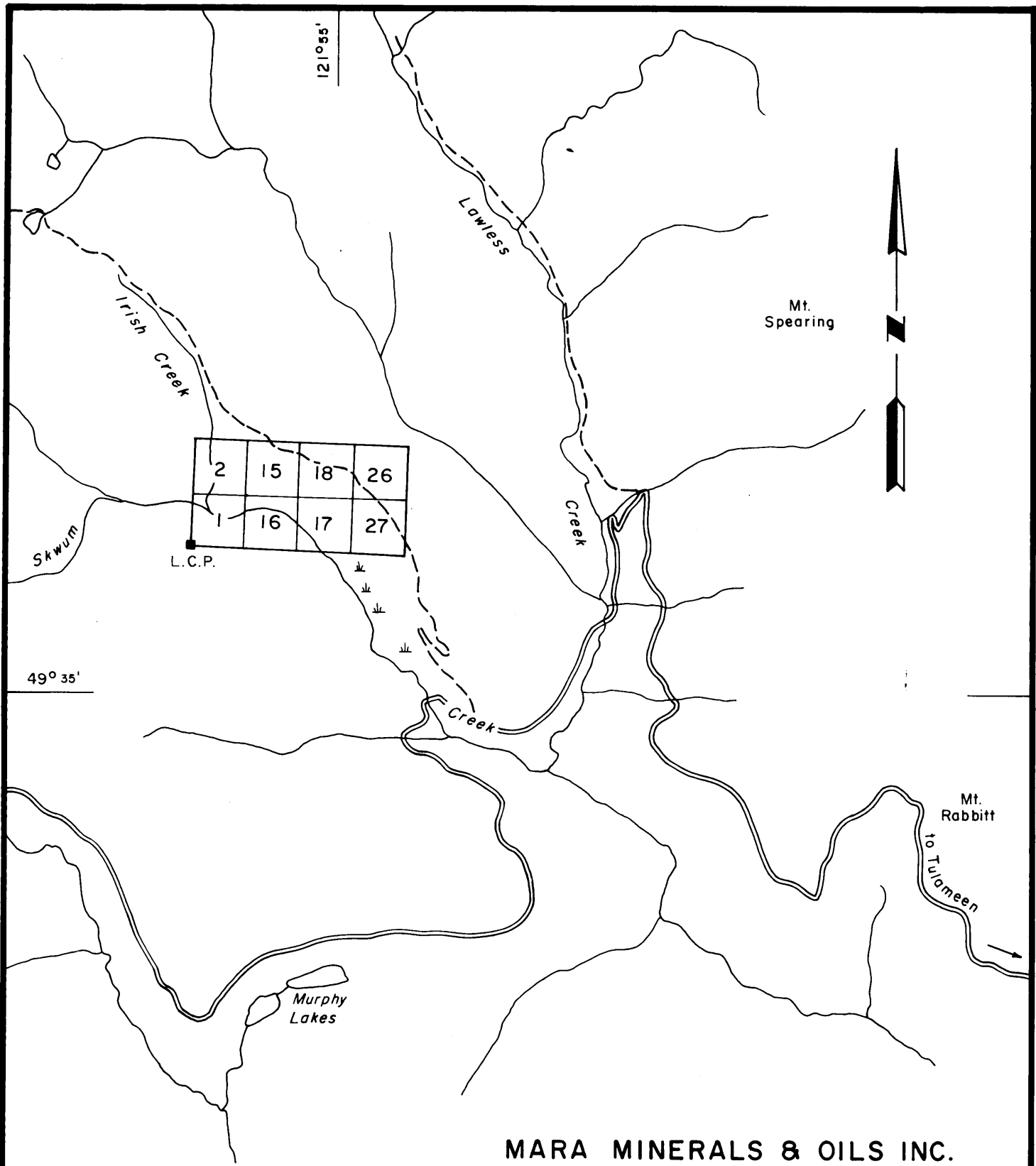
LOCATION of MARA #1 CLAIM *Rec No 282 (1)*

The Mara #1 claim of eight units is located on Skwum Creek, a tributary of the Tulameen River. The approximate location of the L.C.P. is Lat. 49° 36'N., Long. 120° 57'W., N.T.S. 92H/10. A location map accompanies this report.

DISCUSSION OF DRILLING RESULTS

Seven holes totalling 1,030 feet were drilled in units 2,15,17, and 18, the locations being shown on the 1:5000 plan accompanying this report. The details of each hole are as follows—

- P.H. #1 — Abandoned in overburden at 100' due to caving.
P.H. #2 — Abandoned in overburden at 70' due to caving.
P.H. #3 — 0' - 150' - overburden
150' - 240' - fine grained silicious
volcanics (Nicola volcanics?)



NOTE:

Drawn from B.C. Dept. of
Mines and Petroleum Resources
Map No. 92H/10.

Claim Locations approximate.

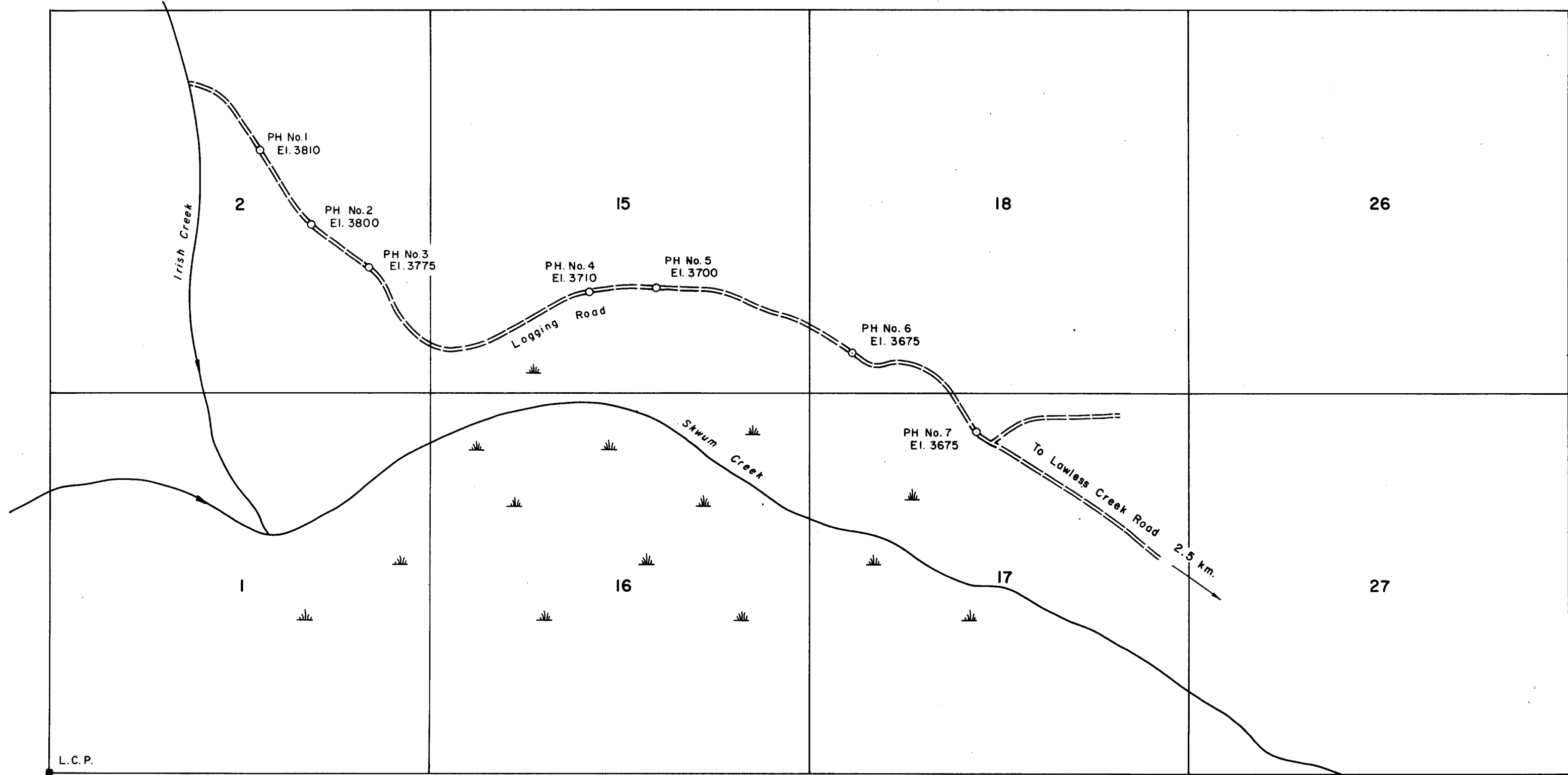
**MARA MINERALS & OILS INC.
LOCATION PLAN
OF
MARA No.1 CLAIM**

SIMILKAMEEN MINING DIVISION, B.C.

Scale 1:50,000

OCTOBER, 1980

J. P. ELWELL, P. Eng.



L.C.P.

NOTE:
 Survey by chain and compass.
 Elevations by altimeter.

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
8543
 NO.

MARA MINERALS & OILS INC.
 PLAN OF
 PERCUSSION DRILL HOLES
 MARA No.1 CLAIM

SIMILKAMEEN MINING DIVISION, B.C.
 Scale 1:5,000
 OCTOBER 1980
 J. PELWELL, P. Eng.

STATEMENT OF COSTS

H.N. Horning Percussion Drilling Ltd.	\$8,905.00*
Assaying	182.70*
Fred Flages - field help	125.00*
Hotel	122.85*
Meals	95.00
Sample bags	14.22
Misc. Supplies	23.50
Truck usage - 5 days @ \$30/day	150.00
J.P. Elwell, P.Eng. - search of property, layout of drill holes supervision of drilling, submission of samples, preparation of report dated November 12, 1980, including drafting and reproduction costs, total fees and expenses -	<u>4,035.00</u>
Total	\$13,653.27

* Invoice attached appendix B.

- 2 -

- P.H. #4 — 0' - 100' - overburden
100' - 120' - compact silt or mudstone
120' - 150' - intrusive rock - qtz. hornblende,
feldspar (Eagle Granodiorite?)
Rods stuck and lost at 150'.
- P.H. #5 — 0' - 110' - overburden
110' - 120' - compact silt or mudstone
120' - 140' - granodiorite intrusive
- P.H. #6 — 0' - 120' - overburden
120' - 140' - compact silt or mudstone
140' - 160' - granodiorite
160' - 170' - fine grained volcanics (dike)
170' - 240' - granodiorite
- P.H. #7 — Abandoned in overburden at 70' due to caving.

ROCK GEOCHEM RESULTS

A representative split of each 10 feet section of bedrock was sealed in a plastic bag and submitted to Chemex Labs Ltd., North Vancouver for rock geochemical analysis for copper and molybdenum. The procedure used being a 1 g. sample pulverized to minus 100 mesh and digested in hot perchloric and nitric acid, and then analysed by standard atomic absorption methods.

APPENDIX 'A'
ASSAY CERTIFICATE

- P.H. #4 — 0' - 100' - overburden
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110' - 120' - compact silt or mudstone
120' - 140' - granodiorite intrusive
- P.H. #6 — 0' - 120' - overburden
120' - 140' - compact silt or mudstone
140' - 160' - granodiorite
160' - 170' - fine grained volcanics (dike)
170' - 240' - granodiorite
- P.H. #7 — Abandoned in overburden at 70' due to caving.

ROCK GEOCHEM RESULTS

A representative split of each 10 feet section of bedrock was sealed in a plastic bag and submitted to Chemex Labs Ltd., North Vancouver for rock geochemical analysis for copper and molybdenum. The procedure used being a 1 g. sample pulverized to minus 100 mesh and digested in hot perchloric and nitric acid, and then analysed by standard atomic absorption methods.

The results of the analysis are attached to this report as Appendix "A". It will be noted that the results of the samples from P.H.#3 which cut the volcanics, were all in the 40-80 p.p.m. range for Cu, and 1-3 p.p.m. for Mo., and were very similar to the two overburden samples from P.H. #1 and #2, and are therefore considered to be normal background for this area.

Somewhat higher values were obtained from the intrusive rock sections of P.H. #4, #5, and #6 in both Cu, and Mo, but the highest value obtained from P.H. #5 at 140' - 150' of 320 p.p.m. Cu, and 32 p.p.m. Mo is still well below economic range for low grade ore, being the equivalent of 0.03% Cu and 0.003% Mo.

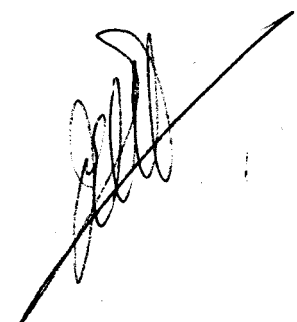
November 12th, 1980


J.P. FENWICK, P.Eng.

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Total	\$13,653.27

* Invoice attached appendix B.





CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1

TELEPHONE: (604)984-0221

TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

: Elwell, J. P.
1030 - 510 W. Hastings St.,
Vancouver, B.C.
V6S 1L8

CERT. # : A8010892-001-A
INVOICE # : 40210
DATE : 04-NOV-80

Sample description	Prep code	Cu ppm	Mo ppm				
PH-3-50-60	205	68	2	--	--	--	--
PH-3-60-70	205	48	1	--	--	--	--
PH-3-70-80	205	54	2	--	--	--	--
PH-3-80-90	205	42	2	--	--	--	--
PH-3-90-100	205	40	1	--	--	--	--
PH-3-100-110	205	42	2	--	--	--	--
PH-3-110-120	205	38	1	--	--	--	--
PH-3-120-130	205	42	2	--	--	--	--
PH-3-130-140	205	44	1	--	--	--	--
PH-3-140-150	205	46	2	--	--	--	--
PH-3-150-160	205	56	2	--	--	--	--
PH-3-160-170	205	58	1	--	--	--	--
PH-3-170-180	205	70	3	--	--	--	--
PH-3-180-190	205	78	2	--	--	--	--
PH-3-190-200	205	86	3	--	--	--	--
PH-3-200-210	205	102	2	--	--	--	--
PH-3-210-220	205	82	2	--	--	--	--
PH-3-220-230	205	98	4	--	--	--	--
PH-3-230-240	205	136	6	--	--	--	--
#4-100-110	205	54	1	--	--	--	--
#4-110-120	205	56	1	--	--	--	--
#4-120-130	205	66	2	--	--	--	--
#4-130-140	205	74	4	--	--	--	--
#4-140-150	205	130	23	--	--	--	--
#5-110-120	205	74	2	--	--	--	--
#5-120-130	205	182	13	--	--	--	--
#5-130-140	205	182	11	--	--	--	--
#5-140-150	205	320	32	--	--	--	--
#6-120-130	205	74	2	--	--	--	--
#6-130-140	205	76	3	--	--	--	--
#6-140-150	205	66	1	--	--	--	--
#6-150-160	205	96	1	--	--	--	--
#6-160-170	205	210	2	--	--	--	--
#6-170-180	205	116	1	--	--	--	--
#6-180-190	205	176	1	--	--	--	--
#6-190-200	205	158	1	--	--	--	--
#6-200-210	205	140	1	--	--	--	--
#6-210-220	205	132	2	--	--	--	--
#6-220-230	205	130	2	--	--	--	--
#6-230-240	205	130	2	--	--	--	--



Certified by *Hart Biddle*

APPENDIX 'B'

INVOICES



Ponderosa Motel

COLOR T.V. 130 BRIDGE STREET — TEL. 295-3513
AIR CONDITIONED - TELEPHONES PRINCETON, B.C.

GUEST REGISTRATION

NAME J. P. Elwell II

COMPANY _____

STREET 1026-510 W. Hastings

CITY Vancouver PROV. BC STATE _____

MAKE OF CAR Datsun 10 COLOUR OF CAR grey

NO. IN PARTY - ADULTS 1 CHILDREN _____ CAR LIC 4747H

UNIT or SPACE	<u>79</u>	
DATE	<u>Oct. 6. 80</u>	
DAYS OCCUPIED		
SUNDAY		
MONDAY	<input checked="" type="checkbox"/>	<u>20.-</u>
TUESDAY		
WEDNESDAY		
THURSDAY		
FRIDAY		
SATURDAY		
TOTALS		
5% TAX		<u>1.-</u>
TELEPHONE		
RECEIVED ON ACCOUNT		
TOTAL		<u>21.-</u>

THANK YOU FOR YOUR PATRONAGE

NOTICE TO GUESTS

THIS PROPERTY IS PRIVATELY OWNED AND THE MANAGEMENT RESERVES THE RIGHT TO REFUSE ADMISSION TO ANYONE AND WILL NOT BE RESPONSIBLE FOR ACCIDENTS OR INJURY TO GUESTS OR FOR LOSS OF MONEY, JEWELLERY OR VALUABLES OF ANY KIND.

Yaelle S.S.

RECEIPT

DATE Oct. 6/80

ITEM	AMOUNT
<u>Room</u>	<u>\$1542</u>



LOCATION Princeton



Ponderosa Motel

COLOR T.V. 130 BRIDGE STREET - TEL. 295-3513

AIR CONDITIONED - TELEPHONES PRINCETON, B.C.

GUEST REGISTRATION

NAME W.P. Elwell &

COMPANY _____

STREET 1026-510 W. Hastings

CITY Vancouver PROV. BC STATE _____

MAKE OF CAR Datsun p.v. COLOUR OF CAR grey

NO. IN PARTY - ADULTS 2 CHILDREN _____ CAR LIC 47 4714

NOTICE TO GUESTS

THIS PROPERTY IS PRIVATELY OWNED AND THE MANAGEMENT RESERVES THE RIGHT TO REFUSE ADMISSION TO ANYONE AND WILL NOT BE RESPONSIBLE FOR ACCIDENTS OR INJURY TO GUESTS OR FOR LOSS OF MONEY, JEWELLERY OR VALUABLES OF ANY KIND.

UNIT or SPACE		
DATE	<u>09.4.80</u>	
DAYS OCCUPIED		
SUNDAY		
MONDAY		
TUESDAY		
WEDNESDAY		
THURSDAY		
FRIDAY		
SATURDAY	<input checked="" type="checkbox"/>	<u>28.-</u>
TOTALS		
5% TAX		<u>1.40</u>
TELEPHONE		
RECEIVED ON ACCOUNT		
TOTAL		<u>29.40</u>

THANK YOU FOR YOUR PATRONAGE



Ponderosa Motel

COLOR T.V. 130 BRIDGE STREET - TEL. 295-3513

AIR CONDITIONED - TELEPHONES PRINCETON, B.C.

GUEST REGISTRATION

NAME W.P. Elwell

COMPANY _____

STREET 1026-510 W. Hastings

CITY Vancouver PROV. BC STATE _____

MAKE OF CAR Datsun P.V. COLOUR OF CAR grey

NO. IN PARTY - ADULTS 1 CHILDREN _____ CAR LIC 47 4714

NOTICE TO GUESTS

THIS PROPERTY IS PRIVATELY OWNED AND THE MANAGEMENT RESERVES THE RIGHT TO REFUSE ADMISSION TO ANYONE AND WILL NOT BE RESPONSIBLE FOR ACCIDENTS OR INJURY TO GUESTS OR FOR LOSS OF MONEY, JEWELLERY OR VALUABLES OF ANY KIND.

UNIT or SPACE		
DATE	<u>09.16.80</u>	
DAYS OCCUPIED	<u>3</u>	
SUNDAY		
MONDAY		
TUESDAY		
WEDNESDAY		
THURSDAY	<input checked="" type="checkbox"/>	<u>23.-</u>
FRIDAY		<u>23.-</u>
SATURDAY		<u>23.-</u>
TOTALS		<u>69.-</u>
5% TAX		<u>3.45</u>
TELEPHONE		
RECEIVED ON ACCOUNT		
TOTAL		<u>72.45</u>

THANK YOU FOR YOUR PATRONAGE

Paul S.S.

STATEMENT

23rd October 1980

Messrs. James P. Ellwell.
1026-50 W Hastings St
VANCOUVER BC V6B-1L8

In ac^t With H. N. HORNING PERCUSSION DRILLING LTD.
20-700 TRANQUILLE RD
KAMLOOPS BC.
V2B-3H9
376-3126

TERMS

DATES AND FOOTAGE DRILLED PER ATTACHED.		
TOTAL 1030 FT	750	7725.00
6 2/3% PORTION ON LOSS OF BIT / RODS AND COUPLINGS	720.00	480.00
TRANSPORT IN/OUT		700.00
TOTAL OPERATION LESS ADVANCES		8905.00 6000.00
BALANCE		\$ 2905.00

Received with Thanks
4/11/80 H. N. Horning
H. N. HORNING PERCUSSION DRILLING LTD.



INVOICE

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

TO: Elwell, J.P.
1030-510 W. Hastings St.
Vancouver, B.C.
V6B 1L8

ROCKS

CERTIFICATE NO. A8010892-001-A

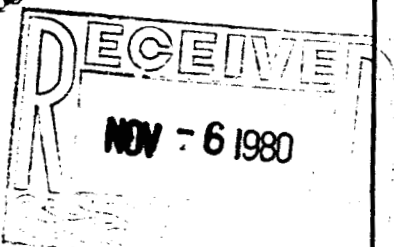
INVOICE NO. 40210

DATE 05-NOV-80

ATTN:

	DESCRIPTION	SUB-TOTAL	TOTAL
42	Analyzed for Cu & Mo @ \$2.35	\$98.70	
42	Prepared @ \$2.00	\$84.00	
			\$182.70

NOV 6 1980



SR
Paid by cheque.

TERMS—NET 30 DAYS

1½% Per Month (18% Per Annum) Charged on Overdue Accounts

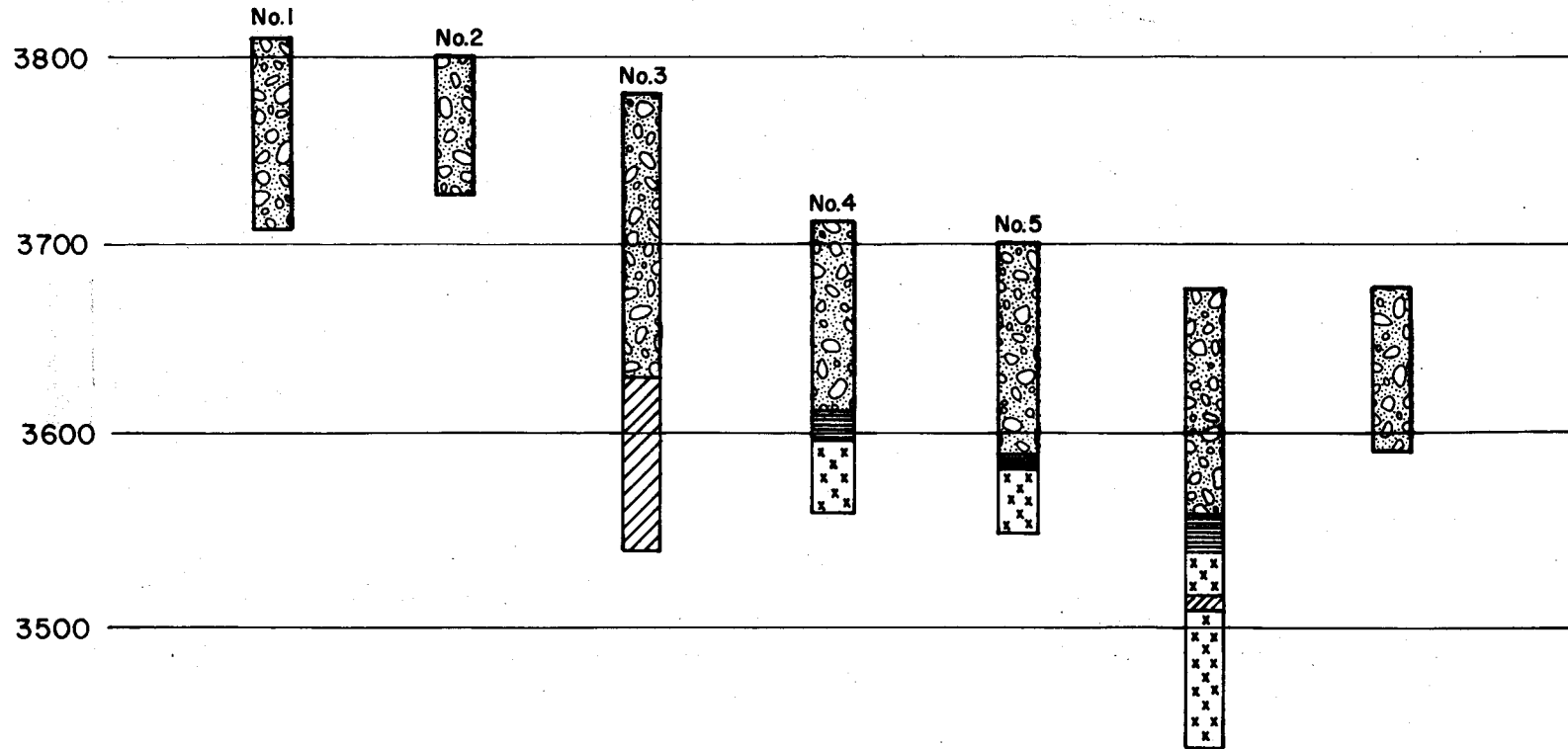
78-040

Oct 6th 1980




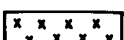
*Received from J.P. Elwell for field
work & use of Truck in exploration
Maca #1 claim. \$125.00*

Fred Page

Elev.
3900



LEGEND

- 3400 ———
- 3300 ———
-  Sand & gravel overburden
 -  Compact silt or mudstone
 -  Greenstone (Nicola Vol.?)
 -  Granite intrusive (Eagle Granodiorite?)

**MARA MINERALS & OILS INC.
SECTION THROUGH DRILL HOLES**

Vertical Scale: 1" = 100'

October 1980

J.P. ELWELL, P. Eng.