



Indian and Northern Affairs

Affaires indiennes et du Nord



P. O. Box 269
Watson Lake, Yukon
YOA 1C0

6 October, 1980

To Geology
& THEN TO
OUR CMA

Your file Votre référence

Our file Notre référence

REGIONAL DIRECTOR RESOURCES

Attention: Supervising Mining Recorder

RESTRICTED

Enclosed for your files are drill logs submitted by Amax of Canada for assessment on the LOG mineral claims.

LOG 5:	DDH LT 80-41	306.6 m
	DDH LT 80-43	276.2 m
6:	DDH LT 80-49	230.4 m

105 B4
East of Summit River.

Assessment Credit requested: \$44,750.00.

Drill core is being stored at the camp located on LOG 31.

Yours truly,

Patti L. McLeod
Mining Recorder
Watson Lake Mining District

PLM
Encl
cc: Regional Geologist

090661

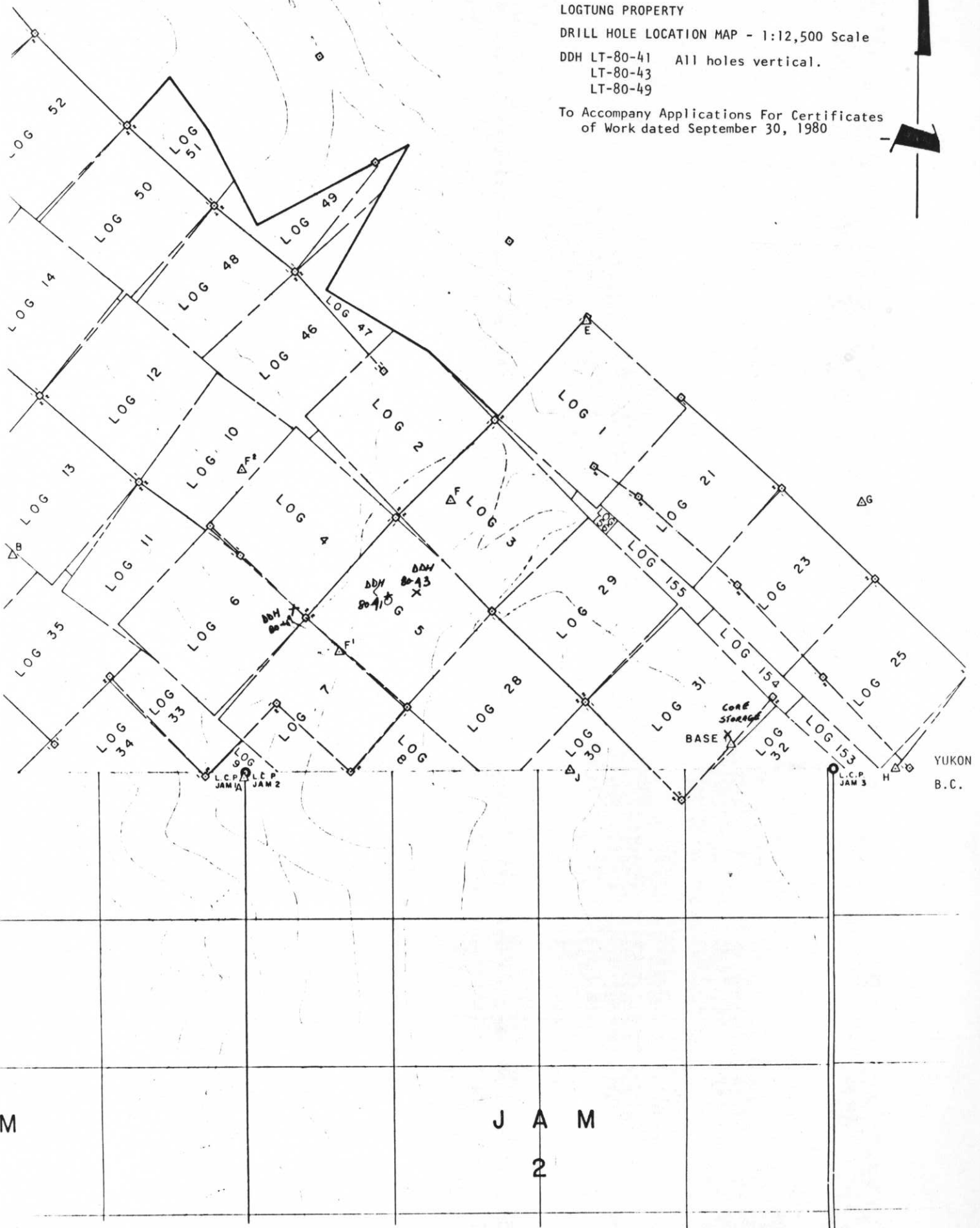
090661

LOGTUNG PROPERTY

DRILL HOLE LOCATION MAP - 1:12,500 Scale

DDH LT-80-41 All holes vertical.
LT-80-43
LT-80-49

To Accompany Applications For Certificates
of Work dated September 30, 1980



YUKON
B.C.

M

J A M

2

DIAMOND DRILL RECORD - LOGTUNG

Hole Number	<u>LT-80-43</u>	Co-ordinates	<u>355144.59 .</u>	Bearing at Collar	<u>Vertical</u>
			<u>6654894.58 -</u>	Dip at Collar	<u>Vertical</u>
		Collar Elevation	<u>1597.1</u>	Commenced Drilling	<u></u>
		Total Depth	<u>276.2 m</u>	Completed Drilling	<u></u>
		Depth Casing	<u>7.9</u>	Section	<u>975 (closest)</u>
		Depth Overburden	<u>-</u>	Logged By	<u>F. Harris</u>
		Core Size	<u>NO</u>	Drilling Contractor	<u>Longyear</u>

<u>SURVEY SUMMARY</u>				<u>PERTINENT ASSAY DATA</u>		<u>PERTINENT GEOLOGY</u>	
<u>Depth</u>	<u>Dip</u>	<u>Bearing</u>	<u>Method</u>	<u>Interval</u>	<u>WO₃ %</u>	<u>Interval</u>	<u>Rock Type or Structure</u>
274.3 m (900')	-87°	065° Azimuth	Sperry Sun				

AMAX MINERALS EXPLORATION LOGTUNG PROJECT

D.D.H. LT-80- 43
SHEET 2 OF 9

DEPTH METRES	1:200 GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MODE W		% MINERALS							NOTES			
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. WO ₃ MoS ₂	% WO ₃	% MoS ₂	% TOTAL Mo AS MoS ₂	TOTAL	SCH.	POWER	MoS ₂	LARGE QTZ-PY	CAL.	PY-SER.	DISS.	VEIN	Py	Cp	Sph	Fluor.	Po		Ep		
34	80'			9	32-36 4m 66139					4	2	2	6	-	-	-													
36					12		.04	.050	.055	3	2	3	4	-	-	2													
38					18	36-40 4m							8	2	4	5	-	-	2										
40					13	66140		.03	.022	.026	11	3	1	2	-	1	1												
42					30	40-44 4m							3	2	2	2	-	1	-										
44					25	66141		.04	.032	.040	5	2	3	3	-	-	-												
46					16	44-48 4m							3	2	2	3	-	2	1										
48					6	66142		.02	.045	.047	9	4	3	4	-	-	3												
50					13	48-52 4m							6	3	5	2	-	-	2										
52					18	66143		.01	.033	.038	4	2	5	5	-	-	3												
54					13	52-56 4m							5	2	2	3	1	-	3										
56					15	66144		.02	.039	.043	3	1	2	3	-	-	3												
58	8	56-60 4m							5	2	2	3	-	-	2														
60	17	66145		.01	.036	.040	3	1	-	2	-	2	1																
62	11	60-64 4m							4	6	4	3	-	2	3														
64	2e	66146		.03	.49	.054	5	5	6	4	1	-	3																

62.4-63.8 Predominant garnet skarn with 30% light green cherty skarn

AMAX MINERALS EXPLORATION LOGTUNG PROJECT

D.D.H. LT-80- 43
SHEET 6 OF 9

DEPTH METRES	1:200 GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS					% MODE W		% MINERALS						NOTES		
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO AND INTERVAL	EST. WO ₃ MoS ₂	% WO ₃	% MoS ₂	% TOTAL Mo AS MoS ₂	TOTAL	SCH.	POWER	MoS ₂	LARGE QTZ-PY	CAL.	PY-SER	DISS.	VEIN	Py	Cp	Sph		Fluor.	Po
162				9		160-164 4m 66171				5	2	15	8	-	-	3										
164				7			.09	.050	.055	7	-	12	4	-	-	3										
166				11		164-168 4m 66172				5	2	8	4	-	-	2										
168				11			.05	.041	.045	6	3	11	4	-	-	2										
170				12		168-172 4m 66173				5	3	7	5	-	-	3										
172				12			.07	.050	.058	4	1	7	7	-	-	3										
174				7		172-176 4m 66174				4	1	9	6	-	-	2										
176				17			.06	.027	.032	5	3	16	5	1	-	2										
178				8		176-180 4m 66175				7	1	13	3	-	2	2										
180				15			.07	.030	.034	3	1	11	4	-	3	3										
182				14		180-184 4m 66176				7	1	6	9	-	-	2										
184				6			.11	.051	.054	2	2	10	5	-	2	3										
186				11		184-188 4m 66177				11	1	15	12	-	1	4										
188				9			.07	.080	.084	7	2	6	8	1	1	2										
190				5		188-192 4m 66178				6	-	7	7	-	-	4										
192	1c			12			.08	.084	.092	5	4	3	5	1	4	2										191.6-192.8 Grey hornfels

AMAX MINERALS EXPLORATION LOGTUNG PROJECT

D.D.H. LT-80- 43
SHEET 9 OF 9

DEPTH METRES	1:200 GRAPHIC LOG				% REC	ASSAY INTERCEPTS	ASSAY DATA				VEINS					% MODE W		% MINERALS						NOTES		
	LITH	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO AND INTERVAL	EST. WO ₃ MoS ₂	% WO ₃	% MoS ₂	TOTAL Mo AS MoS ₂	TOTAL	SCH.	POWEL.	MoS ₂	LARGE QTZ-PY	CAL.	PY-SER	DISS.	VEIN	Py	Cp	Sph		Fluor.	Po
258				7		256-260 4 m				2	3	11	7	-	1	2										258.9 5 cm felsite dyke
				5		66195	.11	.076	.080	4	1	6	5	-	-	3										
260				5		260-264 4 m				5	3	9	9	2	1	4										
262	2b			9		66196	.10	.098	.104	4	4	5	9	-	-	4										
264	2c			5		264-268 4 m				6	1	7	5	-	-	3										
266				4		66197	.05	.024	.023	5	2	7	4	-	1	2										
268				7		268-272 4 m				2	3	3	1	-	-	2										269.2-271.8 Grey hornfels
270	1c			3		66198	.08	.057	.060	1	5	3	4	-	-	4										271.8-276.2 Light green cherty skarn 275.5-275.8 Aplite dyke, upper and lower contact 15° to core axis
272				5		272-276 4.2 m	2			3	2	9	4	-	2	3										
274	2b			4		66199	.08	.090	.094	5	2	11	6	1	1	1										
276										-	1	-	-	-	-	-										276.2 END OF HOLE

090661

DIAMOND DRILL RECORD - LOGTUNG

Hole Number	<u>LT 80-41</u>	Co-ordinates	<u>6654880.00</u>	Bearing at Collar	<u>Vert</u>
			<u>355049.42</u>	Dip at Collar	<u>Vert</u>
		Collar Elevation	<u>1618.4</u>	Commenced Drilling	<u>June 18, 1980 night</u>
		Total Depth	<u>306.6 m (1006')</u>	Completed Drilling	<u>June 23, 1980 day</u>
		Depth Casing	<u>11. m (36')</u>	Section	<u>860</u>
		Depth Overburden	<u>0</u>	Logged By	<u>F. Harris</u>
		Core Size	<u>NQ</u>	Drilling Contractor	<u>Longyear</u>

<u>SURVEY SUMMARY</u>				<u>PERTINENT ASSAY DATA</u>		<u>PERTINENT GEOLOGY</u>	
<u>Depth</u>	<u>Dip</u>	<u>Bearing</u>	<u>Method</u>	<u>Interval</u>	<u>WO₂ %</u>	<u>Interval</u>	<u>Rock Type or Structure</u>
collar	vert		Brunton				
304.8	88.5°	087°					

AMAX MINERALS EXPLORATION LOGTUNG PROJECT

D.D.H. LT-80- 41
SHEET 7 OF 10

DEPTH METRES	1:200 GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS					% MODE W		% MINERALS						NOTES	
	LITH	BEDDIN'	FAULTS	NUMBER OF PIECES			SAMPLE NO AND INTERVAL	EST. WO ₃ MoS ₂	% WO ₃	% MoS ₂	% TOTAL Mo AS MoS ₂	TOTAL	SCH.	POWER	MoS ₂	LARGE QTZ-PY	CAL.	PY-SER	DISS.	VEIN	Py	Cp	Sph		Fluor.
194				8		190-194m 4 m 66046	.06	.003	.107	8	3	4	7	1											210.3-212.7 Fine grained diorite bleached along veins and fracture filling
196				8		194-198m 4 m				5	-	8	7	1	-	2									212.7-214.0 Light green cherty skarn
198				9		66047	.03	.003	.044	6	2	3	6	2	1	-									214.0-216.1 Medium grained diorite
200				11																					216.1-217.0 Light green cherty skarn
202				6		66048	.05	.003	.045	9	2	1	3	1	-	2									217.0-225.3 Grey-brown hornfels with 10% light green cherty skarn
204				4		202-206m 4 m				17	2	4	8	3	-	-									
206				17		66049	.05	.004	.064	8	2	9	4	1	-	4									
208				16		206-210m 4 m				7	3	6	3	2	-	-								tr	
210				12		66050	.09	.004	.064	5	3	8	7	1	-	1									
212				9		210-214m 4 m				8	2	5	8	1	-	2									
214				17		66051	.05	.003	.076	10	6	4	8	1	-	-									
216				3		214-218m 4 m				20	3	4	5	-	-	-									
218				8		66052	.03	.002	.035	7	3	5	5	-	1	-									
220				14		218-222m 4 m				11	4	3	3	1	-	-									
222				17		66053	.06	.003	.034	10	4	3	4	-	-	2									
224				5		222-226m 4 m 66054				7	4	2	4	2	-	2									

26, 1c
4
26
4
1c, 26

DIAMOND DRILL RECORD - LOGTUNG

Hole Number	<u>LT-80-49</u>	Co-ordinates	<u>354735.09</u>	Bearing at Collar	<u></u>
			<u>6654839.28</u>	Dip at Collar	<u>Vertical</u>
		Collar Elevation	<u>1491.07</u>	Commenced Drilling	<u>July, 1980</u>
		Total Depth	<u>230.4 m</u>	Completed Drilling	<u>August 2, 1980</u>
		Depth Casing	<u>7.3 m</u>	Section	<u>585</u>
		Depth Overburden	<u>7.3 m</u>	Logged By	<u>S. Noble, S. Parry</u>
		Core Size	<u>NO</u>	Drilling Contractor	<u>Longyear</u>

<u>SURVEY SUMMARY</u>				<u>PERTINENT ASSAY DATA</u>		<u>PERTINENT GEOLOGY</u>	
<u>Depth</u>	<u>Dip</u>	<u>Bearing</u>	<u>Method</u>	<u>Interval</u>	<u>WO₃ %</u>	<u>Interval</u>	<u>Rock Type or Structure</u>
220.1 m (722')	85½°	158°	Sperry Sun			7.3-108.2	Brecciated light green cherty skarn, hornfels
						108.2-230.4	Bleached hornfels, massive light green cherty skarn

AMAX MINERALS EXPLORATION LOGTUNG PROJECT

D.D.H. LT-80- 49

SHEET 3 OF 8

DEPTH METRES	1:200 GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS					% MODE W		% MINERALS						NOTES			
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO AND INTERVAL	EST. WO ₃ MoS ₂	% WO ₃	% MoS ₂	TOTAL Mo AS MoS ₂	TOTAL	SCH.	POWER	MoS ₂	LARGE QTZ-PY	CAL.	PY-SER	DISS.	VEIN	Py	Cp	Sph		Fluor.	Po	Ep
66				9	64-68 4 m					4	8	19	6	-	-	4										68.9	Quartz-pyrite-pyrrhotite-chalcopyrite vein, 10 mm wide
				13	66525					6	9	18	5	-	1	7											
68				17	68-72 4 m					4	7	6	5	-	1	5										71.0	Quartz-pyrite vein with minor molybdenite along margins. Fault gouge between 71.2-71.6 m, then the same quartz vein continues for 10 mm. Gouge runs at 5° to core axis
70		Eg		54	66526					2	7	4	3	1	8	1											
72				35	72-76 4 m					1	5	12	3	-	5	1											
74		fg		57	66527					1	2	9	3	-	11	2											
76				30	76-80 4 m					3	2	10	1	1	4	3											
78	bx			18	66528					6	4	30	5	-	3	3										79.0	2 cm quartz-pyrite-molybdenite vein with biotite alteration halo extending 2 cm on either side into host skarn
80	bx			8	80-84 4 m					4	5	18	8	-	1	1											
82	bx			11	66529					4	6	14	6	-	1	2											
84				12	84-88 4 m					3	3	15	6	1	-	2											
86				7	66530					3	8	13	5	1	-	3											
88				11	88-92 4 m					5	7	24	3	1	1	2										89.5-104.5	Light green cherty skarn with 10% hornfels, 5% garnet skarn, 5% dark skarn
90				12	66531					3	7	22	5	-	1	3											
92	2b 1c			9	92-96 4 m					4	3	16	5	-	1	3											
94				10	66532					3	4	17	6	-	4	4											

AMAX MINERALS EXPLORATION LOGTUNG PROJECT

D.D.H. LT-80- 49

SHEET 6 OF 8

DEPTH METRES	1:200 GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA					VEINS					% MODE W		% MINERALS						NOTES	
	LITH.	BEDDING	FAULTS	NUMBER PIECES			SAMPLE NO AND INTERVAL	EST. WO ₃ MoS ₂	% WO ₃	% MoS ₂	% TOTAL Mo AS MoS ₂	TOTAL	SCH	POWER	MoS ₂	LARGE QTZ-PY	CAL.	PY-SER	DISS	VEIN	Py	Cp	Sph	Fluor.		Po
162				5		160-164 4 m				5	10	14	7	-	-	5										154.0-184.4 Hornfels bleached with 15% light green cherty skarn, <5% garnet skarn
164				6		66549				4	7	20	4	-	-	3										
166				7		174-168 4 m				4	9	18	10	1	-	3										
168				9		66550				6	8	22	4	1	2	4										166.6-168.5 35% hornfels, 10% garnet 168.5-175.0 calcite breccia, light green cherty skarn alteration of fragments
170	1c			5		168-172 4 m				3	10	15	3	-	-	7										
172	1d			2		66551				2	9	10	4	-	1	4										
174				5		172-176 4 m				5	7	9	6	-	-	5										
176				13		66552				4	5	6	4	-	3	2										
178				7		176-180 4 m				3	7	12	2	-	6	2										
180				14		66553				5	5	5	2	-	2	3										
182				16		180-184 4 m				2	5	7	6	-	5	4										180.0-180.5 Calcite breccia 181.0-182.0, 183.8-184.2 Light green cherty skarn sharp contacts; possible altered dykes
184	5a			13		66554				6	7	8	5	-	1	4										183.8-184.2 Light green cherty skarn
186				19		184-188 4 m				2	4	5	3	-	1	3										184.4-184.9 Quartz feldspar porphyry. Light grey with aplitic core, no alteration, upper contact 75°, lower contact 45°
188	1c			15		66555				4	8	8	5	1	2	4										184.9-192.0 Hornfels, mixed bleached and dark brown sections, 10% light green cherty skarn
190	1d			2		188-192 4 m				4	6	6	5	-	-	4										
192				2		66556				4	6	9	4	-	-	3										192.0-193.3 Light green cherty skarn, 25% garnet skarn, 10% hornfels

AMAX MINERALS EXPLORATION LOGTUNG PROJECT

D.D.H. LT-80- 49
SHEET 7 OF 8

DEPTH METRES	1:200 GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS					% MODE W		% MINERALS						NOTES			
	LITH	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO AND INTERVAL	EST. WO ₃ MoS ₂	% WO ₃	% MoS ₂	% TOTAL Mo AS MoS ₂	TOTAL	SCH.	POWEL	MoS ₂	LARGE QTZ-PY	CAL.	PY-SER	DISS.	VEIN	Py	Cp	Sph		Fluor.	Po	Ep
194	2b			11		192-196 4 m				4	10	13	7	-	-	3										193.8-198.8	Hornfels mainly bleached 30% light green cherty skarn
196				23		66557				6	4	11	7	-	2	3											
198	1d			14		196-200 4 m				5	8	7	3	-	-	2										198.8-200.0	Diorite, dark green, possibly hornblende porphyritic, hornblende now altered to brown biotite
200	4a			16		66558				3	2	3	2	-	-	4									199.2-199.8	Light green cherty skarn	
202				37		200-204 4 m				4	8	3	2	-	3	3									200.0-204.7	Hornfels, mainly bleached	
204				9		66559				3	9	4	2	-	2	3									204.7-206.5	Light green cherty skarn, 30% bleached hornfels, 10% garnet skarn	
206	2b			6		204-208 4 m				5	18	14	6	-	-	3									206.0-206.2	Diorite (?), 5% feldspar phenocrysts look like shards, rock looks like a tuff, but has sharp intrusive contacts, upper contact 80°, lower 30° to core axis	
208				3		66560				3	3	5	7	-	-	3									206.5-208.7	Hornfels, bleached, 10% light green cherty skarn along fractures	
210	1d			7		208-212 4 m				7	6	7	5	-	-	2									206.7-206.9	Diorite, similar to above	
212	6e			9		66561				4	14	15	4	-	1	1									207.9-208.0	Quartz feldspar porphyry, contacts parallel, at 70° to core axis	
214	2b			11		212-216 4 m				2	12	17	2	-	-	2									208.7-212.1	Felsite dyke(?) light pink, contacts marked by light skarn and zone of splotted rock with 25% .75 cm felsic spots	
216				7		66562				3	17	4	3	-	-	3									212.1-212.7	Light green cherty skarn	
218				6		216-220 4 m				1	2	2	3	-	-	6									212.7-222.1	Bleached hornfels	
220	1c			6		66563				3	3	1	3	-	-	4									214.9-215.4	Light green cherty skarn, possibly altered dyke 80° contacts	
222				4		220-224 4 m				4	5	7	3	-	-	4									217.3-217.5	Diorite, similar to 198.8-200.0	
224	2b			7		66564				3	7	12	4	-	-	5									221.3-221.6	Garnet skarn, 30% light green cherty skarn	
	4a																								222.1-223.3	Light green cherty skarn, 10% bleached hornfels, dark green sections may be dykelets	

DEPTH METRES	1:200 GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS					% MODE W		% MINERALS						NOTES		
	LITH	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO AND INTERVAL	EST. WO ₃ MoS ₂	% WO ₃	% MoS ₂	TOTAL Mo AS MoS ₂	TOTAL	SCH.	POWEL.	MoS ₂	LARGE QTZ-PY	CAL.	PY-SER	DISS.	VEIN	Py	Cp	Sph		Fluor.	Po
226	1c 4a			4		224-228 4 m				3	8	9	4	-	-	2										223.3-223.9 Diorite dark grey, medium grained 223.9-225.0 Hornfels, mainly dark purple-brown 225.0-225.9 Diorite, altered to light skarn at contact with 'spotted zone' adjacent to skarned section - 25% .75 cm felsic spots, could be partly resorbed quartz eyes
228	2b			10		66565				3	4	8	4	-	2	3										225.9-227.2 Light green cherty skarn, very pale green 227.2-230.4 Diorite bleached with 5 mm flecks of garnet skarn(?) and light green skarn(?) (possibly alteration of mafic minerals ?)
230	4a			9		228-230 4 m	4			5	4	4	4	-	-	1										229.6-230.0 Hornfels inclusion, irregular shape 230.2-230.4 Dark green pyroxene skarn, probably part of dyke
						66566				2	2	2	2	-	-	1									230.4 END OF HOLE	

090601

Longyear

RECEIVED
JUL 22 1980
VANCOUVER OFFICE

Longyear Canada Inc. AMAX

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster B.C.

Telephone: 604-524-2511

Telex: 43-51280

RECEIVED
JUL 14 1980
VANCOUVER OFFICE

Invoice No. 8370
Cust. No. 6112
Job No. 6278
Dest. 073

ORIGINAL

Amax of Canada Limited,
Minerals Exploration Division,
601-535 Thurlow St.,
Vancouver, British Columbia
V6E 3L6

Amax Watson
Invoice date: July 10, 1980
for June 1980

To: Invoice for diamond drilling performed on "Project 836 - Logtung",
Yukon, during period June 08-22, 1980 per agreement dated April 28, 1980.

Hole No.	Size	From	To	Total	Rate	Amount
41	Overburden	0	36	36	23.75	855.00
41	NQ Wireline	36	500	464	22.60	10,486.40
41	NQ Wireline	500	966	466	23.75	11,067.50
				966		22,408.90

Drilling Mud and Additives - attached
Yukon Expediting Ltd.

* 2,978.38
Plus 18% 536.11
3,514.49

Mobilization
Lump Sum 12,200.00 x 75%

9,150.00

Moves
Move In To Hole 41
27 hours @ 64.80
143 hours @ 23.00

1,749.60
3,289.00
5,038.60

Travel Time (Client Portion only Shown on Daily Reports)

Hole 41 14 hours @ 23.00

322.00

\$ 40,433.99

* Total mud and additives on site which are partial surface for whole job.

Office of the Supervising Mining Recorder
OCT 9 1980
WHITEHORSE
Yukon Territory

Authorized for payment
July 20/80
Fred R. Harris project 836

ADDRESSEE	7/20/80		
APPROVED	[Signature]		
Project Number	836	Job No.	86810
		Amount	40,433.99

20053 JUL 21 1980

TERMS—NET 30 DAYS—INTEREST CHARGED AT 21% PER ANNUM ON OVERDUE ACCOUNTS

20053 7/21/80

Phone (403) 536-2261

INVOICE DATE <i>June 16/80</i>	SALESMAN <i>Shelly Rajul</i>
SHIP TO	

TO *Longyear Canada Inc.*
721 - Alford Annacis Island
Newestminster, B.C. V3M 5P5

YOUR ORDER NO.	DATE SHIPPED	SHIPPED VIA	F.O.B POINT	TERMS	UNIT PRICE	TOTAL
<i>AMAX 506</i>						
<i>QUANTITY</i>						
<i>DATE</i>						
	<i>June 9</i>	<i>20 bags Quik-bel</i>	<i>@ 11.50</i>	<i>E. W. Kagan</i>		<i>230 00</i>
		<i>20 bags Quik-bel</i>	<i>@ 11.50</i>	<i>E. W. Kagan</i>		<i>230 00</i>
	<i>June 16</i>	<i>6 bags Quik Seal - fine</i>	<i>@ 51.73</i>			<i>310 38</i>
	<i>16</i>	<i>192 bags Quik bel</i>	<i>@ 11.50</i>			<i>2208 00</i>
				<i>Picked up by</i>		
				<i>Swightlight</i>		
				<i>June 16th</i>		
PAY FROM NORTH BAY						
Approved by:						
Charge to <i>30/300 Amax Watson Lt.</i>						
<i>Client Charge</i>						
						<i>2978 38</i>

RECEIVED

ORIGINAL

Thank You

Longyear

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

Amax of Canada Limited
 Invoice NO. 8371
 2...

<u>Hole 42 to 43</u>			
✓ 10 1/2 hours @	64.80	680.40	
✓ 14 hours @	23.00	<u>322.00</u>	
			<u>1,002.40</u> ✓
			3,598.80

Left in Holes

<u>Hole 41</u>			
1 NW 5 foot casing		62.35	
3 NW 10 foot casing @	112.15	336.45	
1 NW Shoe E2287		<u>119.00</u>	
		517.80	
Plus 18%		<u>93.20</u>	
			611.00 ✓

Hole 42

1 NW 2 foot casing		32.50	
2 HQ 10 foot rods @	120.35	240.70	
2 NW-HQ adapters @	67.55	135.10	
1 NW Shoe E2275		<u>119.00</u>	
		527.30	
Plus 18%		<u>94.91</u>	
			<u>622.21</u> ✓
			1,233.21 ✓

\$ 36,039.91 ✓ *all.*
 \$ 36,016.31

Authorized for payment
 July 20 / 80
 Fred R. Harris
 Project 836 Logtuy.

APPROVED		DATE
<i>[Signature]</i>		7/21/80
Project Number	Group Code	Amount
836	86810	36,016.31

CK 20054 JUL 21 1980

Date	Hourly Rate	Standby Rate	Extra Crew Rate	NE	NS	NO	CONSUMABLES
TRAVEL Time							
Hole 42							
June 25							
26							
27							
28							
TOTAL			7				
Hole 43							
June 29							
30							
TOTAL			4				
LEFT IN HOLE							
Hole 41							
June 23				1	3		nw shoe E2287
Hole 42							
June 28				1			2 NW-HQ ADIPROES NW shoe C2275 2-HQ 101 RODS
CLIENT TESTING							
Hole 41							
June 23	1/2						
Hole 42							
June 28	1						

Date	Hourly Rate	Standby Rate	Extra Crew Rate	CONSUMABLES
MOVES				
Hole 41	to		42	
June 23	8		8	
24	13		26	
25	6			
27	1			
TOTAL	28		34	
Hole 42	to		43	
June 28	7 1/2		14	
29	3			
TOTAL	10 1/2		14	
REMAINING				
Hole 42				
June 26	1/2			
Hole 43				
June 29	1 1/2			
30	2 1/2			
TOTAL	4			

Longyear

AMAX

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

RECEIVED
JUL 14 1980
VANCOUVER OFFICE

RECEIVED
JUL 22 1980
VANCOUVER OFFICE

ORIGINAL

Invoice No. 8371

Cust. No. 6112

Job No. 6278

Dest. 073

Amax of Canada Limited,
Minerals Exploration Division,
601-535 Thurlow Street,
Vancouver, British Columbia
V6E 3L6

Amax Watson

Invoice date: July 11, 1980
for June 1980

To: Invoice for diamond drilling performed on "Project 836-Logtung", Yukon during period June 23-30, 1980 per agreement dated April 28, 1980.

Hole No.	Size	From	To	Total	Rate	Amount
41	NQ Wireline	966	1000	✓34	23.75	807.50
41	NQ Wireline	1000	1006	✓6	23.75	142.50
42	Overburden	0	24	✓24	23.75	570.00
42	NQ Wireline	24	500	✓476	22.60	10,757.60
42	NQ Wireline	500	786	✓286	23.75	6,792.50
43	Overburden	0	26	✓26	23.75	617.50
43	NQ Wireline	26	500	✓474	22.60	10,712.40
43	NQ Wireline	500	506	✓6	23.75	142.50
				<u>1332</u>		<u>30,542.50</u>

Client Testing

Hole 41	1/2 hour @ 64.80 ✓	32.40	
Hole 42	1 hour ✓	64.80	
			97.20 ✓

Reaming

Hole 42	1/2 hour @ 64.80 ✓	32.40 ✓	
Hole 43	4 hours @ 64.80 ✓	259.20 ✓	
			291.60 ✓

Travel Time (Client Portion Only Shown On Daily Reports)

Hole 42	8 hours @ 23.00	184.00	
Hole 43	4 hours @ 23.00 ✓	92.00 ✓	
		<u>276.00</u>	
			253.00

Missed 1 hr. on
June 23

Moves

Hole 41 to 42			
✓28 hours @ 64.80	1,814.40		
✓34 hours @ 23.00	782.00		
		<u>2,596.40</u> ✓	

This adj. to be made on next invoice. advised
6/1-7/25

OK 20054 7/21/80

Longyear

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

Amax of Canada Limited
 Invoice No. 8536
 3...

Hole 44

2 HQ 10 foot rods @ 120.35	240.70 ✓
1 HQ-NW adapter	67.55
1 NW Shoe E1904	<u>126.00</u>
	434.25 ✓
Plus 18%	<u>78.17 ✓</u>

512.42 ✓

Hole 45

1 HW 10 foot casing	180.00
1 HW Shoe E4152	<u>203.00</u>
	383.00 ✓
Plus 18%	<u>68.94 ✓</u>

451.94 ✓

1,630.06 ✓

\$ 65,339.64 ✓

B.

ACCOUNT CORRECT					
APPROVED					
Project Number	Order Date	Project Date	Invoice Date	Invoice Number	Amount
836				86800	659.68
836				86810	64,679.96
					<u>65,339.64</u>

7/25/80

2009 JUL 25 1980

Longyear

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

Amax of Canada Limited

Invoice No. 8536

2...

Reaming

Hole 43	1 1/2 hours @ 64.80		97.20 ✓	
Hole 44	NQ Bit GR32868	415.00		
	Plus 18%	<u>74.70</u> ✓		
			489.70 ✓	
Hole 45	7 hours @ 64.80		453.60 ✓	
Hole 46	3 1/2 hours @ 64.80		<u>226.80</u> ✓	
				1,267.30 ✓

Travel Time - Client Portion Only Shown on Daily Reports

Hole 43	4 hours @ 23.00		92.00 ✓	
Hole 44	8 hours @ 23.00		184.00 ✓	
Hole 45	9 hours @ 23.00		207.00 ✓	
Hole 46	4 hours @ 23.00		<u>92.00</u> ✓	
				575.00 ✓

Moves

<u>Hole 42 to 43</u>				
1 hour			64.80	

Hole 43 to 44

10 1/2 hours @ 64.80	680.40 ✓		
18 1/2 hours @ 23.00	<u>425.50</u> ✓		
		1,105.90 ✓	

Hole 44 to 45

18 hours @ 64.80	1,166.40 ✓		
30 hours @ 23.00	<u>690.00</u> ✓		
		1,856.40 ✓	

Hole 45 to 46

31 hours @ 64.80	2,008.80 ✓		
38 hours @ 23.00	<u>874.00</u> ✓		
		2,882.80 ✓	

5,909.90 ✓

Left in Holes

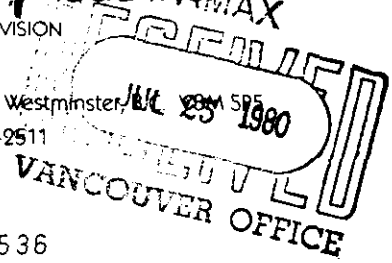
<u>Hole 43</u>			
1 NW 5 foot casing	62.35		
2 HQ 10 foot rods @ 120.35	240.70 ✓		
2 NW-HQ-NW adapters @ 67.55	135.10 ✓		
1 NW Econo Shoe	126.00		
	<u>564.15</u>		
Plus 18%	<u>101.55</u> ✓		

665.70 ✓

X. 20099 JUL 25 1980

Longyear

Longyear Canada Inc. AMAX
 CONTRACT DRILLING DIVISION
 721 Aldford Avenue
 Annacis Island, New Westminster, B.C. V6V 2S5
 Telephone: 604-524-2511
 Telex: 43-51280



3 copies
 Amax of Canada Limited,
 Mail Bag Service 2740,
 Whitehorse, Yukon

Invoice No. 8536
 Cust. No. 6112
 Job No. 6278
 Dest. 073

ORIGINAL

Attention: Mr. Fred Harris

2 copies
 Amax of Canada Limited,
 Minerals Exploration Division,
 601-535 Thurlow St.,
 Vancouver, British Columbia
 V6E 3L6

Amax Watson
 Invoice date: July 23, 1980
 for July 1980

To: Invoice for diamond drilling performed on "Project 836-Logtung", Yukon during period July 01-14, 1980 per agreement dated April 28, 1980.

Hole No.	Size	From	To	Total	Rate	Amount
43	NQ Wireline	506	906	400 ✓	23.75	9,500.00 ✓
44	Overburden	Ø	20	20 ✓	23.75	475.00 ✓
44	NQ Wireline	20	500	480 ✓	22.60	10,848.00 ✓
44	NQ Wireline	500	1000	500 ✓	23.75	11,875.00 ✓
44	NQ Wireline	1000	1006	6 ✓	23.75	142.50 ✓
45	Overburden	Ø	16	16 ✓	23.75	380.00 ✓
45	NQ Wireline	16	500	484 ✓	22.60	10,938.40 ✓
45	NQ Wireline	500	856	356 ✓	23.75	8,455.00 ✓
46	Overburden	Ø	20	20 ✓	23.75	475.00 ✓
46	NQ Wireline	20	106	86 ✓	22.60	1,943.60 ✓
				<u>2368</u> ✓		<u>55,032.50</u> ✓

Core Boxes - Drilling Mud - attached

86810 Core Care Industries	60.00 ✓	
86800 Twilite Service Ltd.	559.05 ✓	
	<u>619.05</u>	
	Plus 18%	111.43 ✓
		<u>730.48</u> ✓

Client Testing

Hole 43	1 hour	64.80	
Hole 44	1 hour	64.80	
Hole 45	1 hour	64.80	
			<u>194.40</u> ✓

.. 20099 JUL 25 1980

FINAN				WATSON				DRILL				DATE July 1961				
Date	Hourly Rate	Standby Rate	Extra Crew Rate	CONSUMABLES				Date	Hourly Rate	Standby Rate	Extra Crew Rate	CONSUMABLES				
Standby	Time							Raising								
Hole	43							Hole	43							
July 01								July 02	1/2							
02																
TOTAL			4					Hole	45							
Hole	44							July 08	4							
July 03								09	1							
04								10	1							
05								11	1							
06								TOTAL	7							
TOTAL			8					Hole	46							
Hole	45							July 14	3 1/2							
July 07			1					Hole	44							
08								July 03								NO BIT 32 71
09																
10								Client Master								
11								Hole	43							
TOTAL		20096	9					July 02	1							
Hole	46							Hole	44							
July 14			2					July 07	1							
TOTAL			4					Hole	45							
								July 11	1							

0861927NC 46 002
20096 JUL 25 1960

Date	Hourly Rate	Standby Rate	Extra Crew Rate		CONSUMABLES	Date	Hourly Rate	Standby Rate	Extra Crew Rate	NW	NE	HQ	CONSUMABLES
Move						Sept	In	Hole					
Hole	42	to	43			Hole	43						
July 02	1					July 02				1		2	NW shoe NW-HQ adapter
Hole	43	to	44			Hole	44						HQ-NW NW shoe E1904
July 02	2 1/2		4			July 07						2	NW-HQ adapter
03	7		10			Hole	45						Hw 10' casing Hw shoe E4152
05	1					July 12							
05			4 1/2										
TOTAL	10 1/2		18 1/2										
Hole	44	to	45										
July 07	9 1/2		16										
08	7 1/2		5										
08			3										
09	1/2		6										
11	1/2												
TOTAL	18		30										
Hole	45	to	46										
July 12	13		1										
13	11		26										
14	6		11										
14	1												
TOTAL	31		38										

20099 JUL 25 1980

CORE CAFE INDUSTRIES

BOX 296

WATSON LAKE, Y.T.

PH. 536-7518 or 536-7402

ORDER NO. _____

DATE JUN 20 1980

SOLD TO LONG YEAR

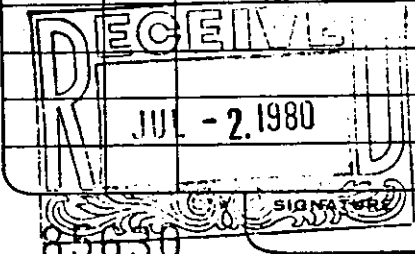
ADDRESS 721 ALDFORD AVE ANNACIS IS.

SHIP TO NEW WEST MINSTER B.C.

ADDRESS _____

0 T1
6000 *2
11700 *2
44205 *2
61905 T2
0 T1

WHEN SHIP	HOW SHIP	TERMS	BUYER	SALESMAN
20	30	CORE TRAYS @ \$3.00 each		\$60.00
PAY FROM NORTH BAY				
App: _____				
Charg: 32/320 Amex <u>Winkler</u>				
<i>Thankyou</i>				
Total				\$60.00



021

CK. 20099 JUL 25 1980

Box 250
WATSON LAKE, N. Y. T.

ORDER NUMBER	074640
DATE	JUNE 19/80
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F.O.B.	

SOLD TO CANADIAN LONGYEAR

SHIPPED TO _____

ADDRESS 709 TUNG VIA _____

Haul Core Box 6 From							
Watson Lake To Log Jack							
Crack Project - Split Trip							
With Dupont At Stewart North				DAY	117	00	
RECEIVED	Approved						
	Charge to			32/320 Amex Watson			
JUL - 2 1980					117	00	

REDIFORM 7M32

20099 JUL 25 1980

WATSON LAKE, N.Y.

DU. NUMBER	074637
DATE	JUNE 16/80
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F.O.B.	

SOLD TO CANADIAN LONGYEAR

SHIPPED TO _____

ADDRESS _____ VIA _____

INVOICE

	THE PICK UP SLEIGH, MUD, CONN BOLDS				
	IN WATSON LAKE				
	3 HRS @ 30.00 PER HR. LOADING TIME			90	00
	TRUCK TO LONG TUNG MI 754.				
D N	719 MI @ 1.95 PER MILE			232	05
	1/2 HR FROM ALPES HIGHL. TO CAMP + RETURN				
	1 HR WATERING			120	00
	39/320 AMIA WILSON				
	TOTAL			442	05

REDIFORM 7M32

20099 JUL 25 1980

Longyear

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

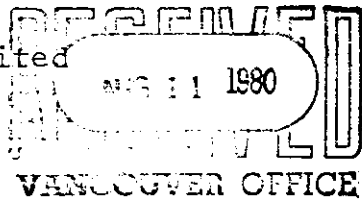
721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

Amax of Canada Limited
 Invoice No. 8536
 3...



Hole 44

2 HQ 10 foot rods @ 120.35	240.70	
1 HQ-NW adapter	67.55	
1 NW Shoe E1904	126.00	
	<u>434.25</u>	
Plus 18%	78.17	

512.42

Hole 45

1 HW 10 foot casing	180.00	
1 HW Shoe E4152	203.00	
	<u>383.00</u>	
Plus 18%	68.94	

451.94

1,630.06

PAID CK 20099 \$

65,339.64

ADJ. CK. 20266

- 318.80

65,020.84

65,020.84. Authorized for payment.
 Aug. 5/80 Earl F. Harris.
 Logging project 836.

Longyear

Amax of Canada Limited
 Invoice No. 8536
 2...

AMAX
 AUG 11 1980
 VANCOUVER OFFICE

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

Reaming Hole 43	1 1/2 hours @ 64.80		97.20	
Hole 44	NQ Bit GR32868 Plus 18%	415.00 <u>74.70</u>	489.70	
Hole 45	7 hours @ 64.80		453.60	
Hole 46	(3 1/2 hours @ 64.80) <i>No reaming in Hole 46 to July 14</i>		(226.80)	1,267.30
<u>Travel Time - Client Portion Only Shown on Daily Reports</u>				
Hole 43	4 hours @ 23.00		92.00	
Hole 44	8 hours @ 23.00		184.00	
Hole 45	9 hours @ 23.00		207.00	
Hole 46	4 hours @ 23.00		<u>92.00</u>	575.00
<u>Moves + Waterline.</u>				
Hole 42 to 43	1 hour		64.80	
Hole 43 to 44	10 1/2 hours @ 64.80	680.40		
	18 1/2 hours @ 23.00	<u>425.50</u>		
	14 1/2 - No 4 hrs. extra since July 2.		(1,105.90)	-92.00 ✓ H.
Hole 44 to 45	18 hours @ 64.80 ✓	1,166.40		
	30 hours @ 23.00 ✓	<u>690.00</u>	1,856.40	
Hole 45 to 46	31 hours @ 64.80 ✓	2,008.80		
	38 hours @ 23.00 ✓	<u>874.00</u>	2,882.80	5,909.90
<u>Left in Holes</u>				
Hole 43	1 NW 5 foot casing	62.35		
	2 HQ 10 foot rods @ 120.35	240.70		
	2 NW-HQ-NW adapters @ 67.55	135.10		
	1 NW Econo Shoe	<u>126.00</u>		
		564.15		
	Plus 18%	<u>101.55</u>	665.70	

Longyear

AMA
RECEIVED
JUL 11 1980
VANCOUVER OFFICE

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

3 copies

Amax of Canada Limited,
Mail Bag Service 2740,
Whitehorse, Yukon

Invoice No. 8536

Cust. No. 6112

Job No. 6278

Dest. 073

Attention: Mr. Fred Harris

2 copies

Amax of Canada Limited,
Minerals Exploration Division,
601-535 Thurlow St.,
Vancouver, British Columbia
V6E 3L6

Amax Watson

Invoice date: July 23, 1980
for July 1980

To: Invoice for diamond drilling performed on "Project 836-Logtung", Yukon during period July 01-14, 1980 per agreement dated April 28, 1980.

Hole No.	Size	From ✓	To ✓	Total ✓	Rate	Amount
43	NQ Wireline	506	906	400	23.75	9,500.00
44	Overburden	0	20	20	23.75	475.00
44	NQ Wireline	20	500	480	22.60	10,848.00
44	NQ Wireline	500	1000	500	23.75	11,875.00
44	NQ Wireline	1000	1006 ✓	6	23.75	142.50
45	Overburden	0	16	16	23.75	380.00
45	NQ Wireline	16	500	484	22.60	10,938.40
45	NQ Wireline	500	856	356	23.75	8,455.00
46	Overburden	0	20	20	23.75	475.00
46	NQ Wireline	20	106	86 ✓	22.60	1,943.60
				<u>2368</u>		<u>55,032.50</u>

Core Boxes - Drilling Mud - attached

Core Care Industries

Twilite Service Ltd.

60.00

559.05

619.05

Plus 18%

111.43

✓ 730.48

Client Testing

Hole 43 1 hour

64.80

Hole 44 1 hour

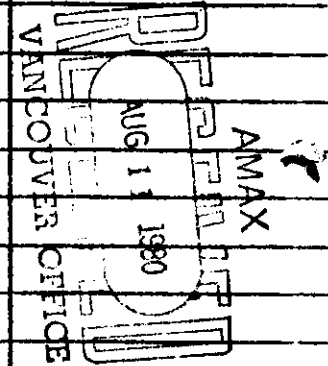
64.80

Hole 45 1 hour

64.80

194.40

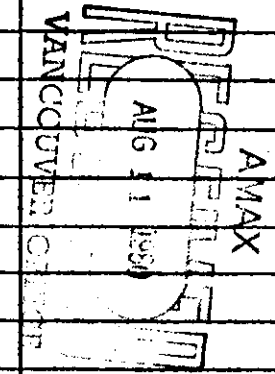
Date	Hourly Rate	Standby Rate	Extra Crew Rate		CONSUMABLES	Date	Hourly Rate	Standby Rate	Extra Crew Rate		CONSUMABLES
Shovel	Time					Roaming					
Hole	43					Hole	43				
July 01						July 02	1/2				
02											
TOTAL			4			Hole	45				
						July 08	4				
Hole	44					09	1				
July 03						10	1				
04						11	1				
05						TOTAL	7				
06											
TOTAL			8			Hole	46				
						July 14	3 1/2				
Hole	45					Hole	44				
July 07						July 03					
08											
09											
10						Client testing					
11						Hole	43				
TOTAL			9			July 02	1				
Hole	46					Hole	44				
July 14			2			July 07	1				
TOTAL			4								
						Hole	45				
						July 11	1				



NO At 32868

Date	Hourly Rate	Standby Rate	Extra Crew Rate		CONSUMABLES
Moved					
Hole 42	to	43			
July 02	1				
Hole 43	to	44			
July 02	2 1/2		(4) No		
03	7		10 ✓		
05	1				
05			4 1/2 ✓		
TOTAL	10 1/2		18 1/2		
Hole 44	to	45			
July 07	9 1/2 ✓		16 ✓		
08	7 1/2 ✓		5 ✓		
08			3 ✓		
09	1/2 ✓		6 ✓		
11	1/2 ✓				
TOTAL	18 ✓		30 ✓		
Hole 45	to	46			
July 12	13 ✓		1 ✓		
13	11 ✓		26 ✓		
14	6 ✓		11 ✓		
14	1 ✓				
TOTAL	31 ✓		38 ✓		

Date	Hourly Rate	Standby Rate	Extra Crew Rate	NW	NW	HQ	CONSUMABLES
Self	In	Hold					
Hole 43							
July 02					1	2	NW shoe NW-HQ adapter HQ-NW
Hole 44							
July 07						2	NW shoe E1904 NW-HQ adapter
Hole 45							
July 12							Hw 10 CASING Hw shoe E4152



CORE CARE INDUSTRIES

BOX 296
WATSON LAKE, Y.T.
PH. 538-7518 or 536-7402

ORDER NO.

DATE June 20 1980

SOLD TO LONGYEAR

ADDRESS 721 ALDFORD AVE ANNACLIS TS

SHIP TO NEW WEST MINSTER BC

ADDRESS

WHEN SHIP	HOW SHIP	TERMS	BUYER	SALESMAN
20	BQ	CORE TRAYS @ \$3.00 each		\$60.00
PAY FROM NORTH BAY				
Apr				
Charg : 32/320 Amer <u>Wicks</u>				
<i>Thankyou</i>				
Total				\$60.00

RECEIVED
JUL - 2, 1980

SIGNATURE
85630

021

VANCOUVER OFFICE
RECEIVED
AUG 11 1980
AMAX

BOX 250
WATSON LAKE, - Y.T.

OUR NUMBER	074637
DATE	JUNE 16/80
CUSTOMER'S ORDER	
SALESMAN	
TERMS	
F.O.B.	

SOLD TO CANADIAN LONG HAIR

SHIPPED TO _____

ADDRESS _____ VIA _____

INVOICE

	THE Pick Up Sleigh, Mud, Cord Boxes				
	IN WATSON LAKE				
	3 HRS @ 30.00 Per Hr. Loading TIME			90	00
	Load To Long TONG MI 754.				
D E B I T	719 MI @ 1.95 Per Mile			232	05
	1/2 Hr From Alaska Hwy. To Camp + Return				
	1 Hrs Motorizing			120	00
	39/330 Annie Walker	TOTAL		442	05

REDIFORM 7M32

AMAX
 RECEIVED
 AUG 11 1980
 VANCOUVER OFFICE

Longyear

Amax of Canada Limited
 Invoice No. 8537
 2...

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

Hole 49
 5 hours @ 64.80
 1 NW Shoe E2239 126.00
 1 NW Shoe E2241 126.00
252.00
 Plus 18% 45.36

324.00 ✓

297.36 ✓

APPROVED		8/20/80	
836	86810	65760.28	

CK. 20266 AUG 20 1980

621.36 ✓

815.76 ✓

Travel Time (Client Portion only Shown on Daily Reports)

Hole 46 12 hours @ 23.00 276.00 ✓
 Hole 47 18 hours @ 23.00 414.00 ✓
 Hole 48 20 hours @ 23.00 460.00 ✓
 Hole 49 12 hours @ 23.00 276.00 ✓

1,426.00 ✓

Moves

Hole 46 to 47
 12 hours @ 64.80 777.60 ✓

Hole 47 to 48
 8 hours @ 64.80 518.40 ✓
 28 hours @ 23.00 644.00 ✓
 1,162.40 ✓

Hole 48 to 49
 13 hours @ 64.80 842.40 ✓
 8 hours @ 23.00 184.00 ✓
 1,026.40 ✓

2,966.40 ✓

Left in Hole

Hole 47
 3 NW 2 foot casing @ 32.50 97.50 ✓
 2 HQ 10 foot rods @ 120.35 240.70 ✓
 1 NW Casing Adapter 67.55 ✓
 1 NW Shoe E2297 126.00 ✓
531.75
 Plus 18% 95.72

627.47 ✓

Client Work

July 16 and 23 - 5 hours @ 23.00 115.00 ✓

\$ 66,079.08 ✓

LESS ADJ FROM INV. 8536

TERMS—NET 30 DAYS—INTEREST CHARGED AT 21% PER ANNUM ON OVERDUE ACCOUNTS

318.80

PAGE 2 OF 2

65,760.28

Longyear

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

RECEIVED
AUG 14 1980
VANCOUVER OFFICE

Invoice No. 8537

Cust. No. 6112

Job No. 6278

Dest. 073

ORIGINAL

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Amax of Canada Limited,
Mail Bag Service 2740,
Whitehorse, Yukon

Attention: Mr. Fred Harris

2 copies

Amax of Canada Limited,
Minerals Exploration Division,
601-535 Thurlow Street,
Vancouver, British Columbia
V6E 3L6

Amax Watson

Invoice date: August 12, 1980
for July 1980

To: Invoice for diamond drilling performed on "Project 836-Logtung", Yukon during period July 15-31, 1980 per agreement dated April 28, 1980.

Hole No.	Size	From	To	Total	Rate	Amount
46	NQ Wireline	106	500	394	22.60	8,904.40
	NQ Wireline	500	826	326	23.75	7,742.50
47	Overburden	0	28	28	23.75	665.00
	NQ Wireline	28	500	472	22.60	10,667.20
	NQ Wireline	500	746	246	23.75	5,842.50
48	Overburden	0	47	47	23.75	1,116.25
	NQ Wireline	47	500	453	22.60	10,237.80
	NQ Wireline	500	734	234	23.75	5,557.50
49	Overburden	0	22	22	23.75	522.50
	NQ Wireline	22	406	384	22.60	8,678.40
				<u>2606</u>		<u>59,934.05</u>

Client Testing

Hole 46	1 hour	64.80
Hole 47	1 hour	64.80
Hole 48	1 hour	64.80
		<u>194.40</u>

Reaming

Hole 46
2 hours @ 64.80 129.60

Hole 47
1 hour 64.80

20266 AUG 20 1980

TERMS—NET 30 DAYS—INTEREST CHARGED AT 21% PER ANNUM ON OVERDUE ACCOUNTS

PAGE 1 OF 2

Date	Hourly Rate	Standby Rate	Extra Crew Rate							
MOVES										
Hole	46	to	47							
July 18	11									
18	1									
TotM	12									
Hole	47	to	48							
July 22	6		16							
23	2		-							
27	-		12							
TotM	8		28							
Hole	48	to	49							
July 28	4		8							
29	9									
TotM	13		8							

Date	Hourly Rate	Standby Rate	Extra Crew Rate	NE		HQ	CONSUMABLES
CLIENT		TESTING					
Hole	46	47					
July 18	1						(Hole 46)
22	1						
Hole	48						
July 28	1						
LEFT IN HOLE							
Hole	47						
July 22				3		2	NW SHOE 2297 NW CASING ADAPTOR
Client work							
July 23			4				
16			1				

20256 AUG 10 1980

Date	Hourly Rate	Standby Rate	Extra Crew Rate	CONSUMABLES
TRAVEL TIME				
Hole 46				
July 15			2	
16			2	
17			2	
TOTAL			12	
Hole 47				
July 18			2	
19			2	
20			2	
21			2	
22			2	
TOTAL			18	
Hole 48				
July 23			2	
24			2	
25			2	
26			2	
28			4	
TOTAL			20	
Hole 49				
July 29			2	
30			2	
31			2	
TOTAL			12	

Date	Hourly Rate	Standby Rate	Extra Crew Rate	CONSUMABLES
REAMING				
Hole 46				
July 16	1			
16	1			
TOTAL	2			
Hole 47				
July 20	1			
Hole 47				
July 29	3			New Shoe 2239
30	2			2241
TOTAL	5			

JUL 20 2 02 6 6 AVE 20 1980

Longyear

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

Invoice No. 8537

Cust. No. 6112

Job No. 6278

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Vancouver, British Columbia
V6E 3L6

Amax Watson

Invoice date: August 12, 1980
for July 1980

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<u>Hole No.</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Total</u>	<u>Rate</u>	<u>Amount</u>
46	NQ Wireline	108	500	394	22.60	8,904.40
	NQ Wireline	500	826	326	23.75	7,742.50
47	Overburden	Ø	28	28	23.75	665.00
	NQ Wireline	28	500	472	22.60	10,667.20
	NQ Wireline	500	746	246	23.75	5,842.50
48	Overburden	Ø	47	47	23.75	1,116.25
	NQ Wireline	47	500	453	22.60	10,237.80
	NQ Wireline	500	734	234	23.75	5,557.50
49	Overburden	Ø	22	22	23.75	522.50
	NQ Wireline	22	406	384	22.60	8,678.40
				<u>2606</u>		<u>59,934.05</u>

Client Testing

Hole 46	1 hour	64.80	
Hole 47	1 hour	64.80	
Hole 48	1 hour	64.80	
			194.40

Reaming

Hole 46
2 hours @ 64.80 129.60

Hole 47
1 hour 64.80

Longyear

Amax of Canada Limited
 Invoice No. 8537
 2...

Longyear (Canada) Inc.

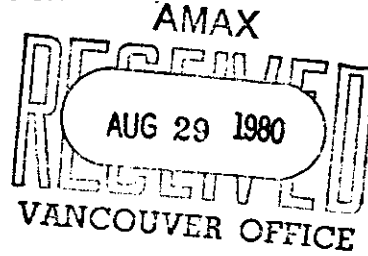
CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280



3 hrs only (July 29 night shift).

Hole 49			
5 hours @ 64.80		324.00	
1 NW Shoe E2239	126.00		
1 NW Shoe E2241	126.00		
	<u>252.00</u>		
Plus 18%	<u>45.36</u>		
		<u>297.36</u>	
			<u>621.36</u>

(815.76)
 -129.60

Travel Time (Client Portion only Shown on Daily Reports)

Hole 46	12 hours @ 23.00	276.00	
Hole 47	18 hours @ 23.00	414.00	
Hole 48	20 hours @ 23.00	460.00	
Hole 49	12 hours @ 23.00	<u>276.00</u>	
			1,426.00

Moves

Hole 46 to 47			
12 hours @ 64.80		777.60	

Hole 47 to 48			
8 hours @ 64.80	518.40		
28 hours @ 23.00	<u>644.00</u>		
		1,162.40	

Hole 48 to 49			
13 hours @ 64.80	842.40		
8 hours @ 23.00	<u>184.00</u>		
		<u>1,026.40</u>	

2,966.40

Left in Hole

Hole 47			
3 NW 2 foot casing @ 32.50		97.50	
2 HQ 10 foot rods @ 120.35		240.70	
1 NW Casing Adapter		67.55	
1 NW Shoe E2297		126.00	
		<u>531.75</u>	
Plus 18%		<u>95.72</u>	
			627.47

Client Work

July 16 and 23 - 5 hours @ 23.00			115.00
----------------------------------	--	--	--------

Approved for payment Aug 22/80 except for 3 hrs. hourly rate (129.60). PAID CK \$ 20266

Fred R. Harris proj. 836.

66,079.08

Longyear

Amax of Canada Limited
 Invoice No. 8690
 2...

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43.51280

AMAX
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 SEP 2 1980
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 VANCOUVER OFFICE

Left in Hole
Hole 51

2 NW 2 foot casing @ 32.50	65.00	
1 NW 10 foot casing	112.11	
1 NW Shoe E1716	126.00	
	<u>303.15</u>	✓
	54.57	✓
		357.72 ✓

Plus 18%

Travel Time (Client Portion Only Shown on Daily Reports)

Hole 49	8 hours @ 23.00	184.00	✓	
Hole 50	20 hours @ 23.00	460.00	✓	
Hole 51	20 hours @ 23.00	460.00	✓	
				1,104.00 ✓

Moves

<u>Hole 49 to 50</u>				
15 hours @ 64.80		972.00	✓	

Hole 50 to 51

14 hours @ 64.80	907.20	✓	
24 hours @ 23.00	552.00	✓	
			1,459.20 ✓

Move Out From Hole 51

26 hours @ 64.80	1,684.80	✓	
22 hours @ 23.00	506.00	✓	
			2,190.80 ✓
			4,622.00 ✓

Sold To Client

400 gallons diesel	550.81	
170 gallons gasoline	231.77	
		782.58 ✓

LESS: BILLS ON HOLE 49
 INVOICE 8527 129.00
 ADJUSTMENT RE

\$ 60,244.73 ✓

ADJUSTMENT RE
 DEMONSTRATION FEES 322.00

<45160>

ADD & EXT CONTACT		DATE
APPROVED		9/10/80
AMOUNT	DATE	AMOUNT
830.80	8/25/80	830.80
322.00	8/25/80	322.00
		1152.80

O.K. to pay with
 90% down
 to T.R. Harris 9/8/80

\$ 59,793.13 ✓

TERMS - NET 30 DAYS - INTEREST CHARGED AT 21% PER ANNUM ON OVERDUE ACCOUNTS

SEP 10 1980

Longyear

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VANCOUVER OFFICE

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280

Invoice No. 8690

Cust. No. 6112

Job No. 6278

Dest. 073

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Whitehorse, Yukon

Attention: Mr. Fred Harris

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Amax of Canada Limited,
Minerals Exploration Division,
601-535 Thurlow Street,
Vancouver, British Columbia
V6E 3L6

Amax Watson

Invoice date: August 27, 1980
for August 1980

To: Invoice for diamond drilling performed on "Project 836-Logtung",
Yukon during period August 01-17, 1980 per agreement dated April
28, 1980.

Hole No.	Size	From	To	Total	Rate	Amount
48	NQ Wireline	734	756	22 ✓	23.75 ✓	522.50 ✓
49	NQ Wireline	406	500	94 ✓	22.60 ✓	2,124.40 ✓
		500	756	256 ✓	23.75 ✓	6,080.00 ✓
50	Overburden	0	16	16 ✓	23.75 ✓	380.00 ✓
	NQ Wireline	16	500	484 ✓	22.60 ✓	10,938.40 ✓
		500	906	406 ✓	23.75 ✓	9,642.50 ✓
51	Overburden	0	21	21 ✓	23.75 ✓	498.75 ✓
	NQ Wireline	21	500	479 ✓	22.60 ✓	10,825.40 ✓
		500	856	356 ✓	23.75 ✓	8,455.00 ✓
				2134		49,466.95 ✓

Demobilization

Lump Sum \$12,200.00 x 25%

3,050.00 ✓

Client Testing

Hole 49 1 hour

64.80 ✓

Hole 50 1 hour

64.80 ✓

Hole 51 1 hour

64.80 ✓

194.40 ✓

Reaming Casing

Hole 50

8 hours @ 64.80

518.40 ✓

1 NW Shoe E2273

126.00 ✓

Plus 18%

22.68 ✓

148.68 ✓

TERMS — NET 30 DAYS — INTEREST CHARGED AT 21% PER ANNUM ON OVERDUE ACCOUNTS

667.08 ✓

20388 SEP 10 1980

Date	Hourly Rate	Standby Rate	Extra Crew Rate	NE	NW	CONSUMABLES	Date	Hourly Rate	Standby Rate	Extra Crew Rate	CONSUMABLES
TRAIL	VEL	TIME					CLIENT	TESTING			
HOLE	49						HOLE	49			
Aug 01			22				Aug 02	1			
02			22								
TOTAL			8				HOLE	50			
							Aug 08	1			
Aug 03	50		22				HOLE	51			
04			22				Aug 13	1			
05			22								
06			22								
07			22								
TOTAL			20				MOVES				
HOLE	51						HOLE	49	to	50	
Aug 09			2				Aug 02	4			
10			2				03	11			
11			2				TOTAL	15			
12			2								
13			2				HOLE	50	to	51	
TOTAL			20				Aug 08	9		16	
							09	5		8	
							TOTAL	14		24	
REMAINING							MOVE	Out	from	Hole	51
HOLE	50						Aug 13	2		-	400 gallons diesel
14	8					nw shoe C 2273	14	11		22	170 gallons gas
							15	9		-	
IN	HOLE	51					16	4		-	
							TOTAL	26		22	

Longyear's east bellings.
 The duct \$322.00
 from blum's to tank
 left a site with work done
 to B. and

Friday, September 12

20388 SEPT 10 1980

Longyear

Amax of Canada Limited
 Invoice No. 8690
 2...

Longyear Canada Inc.

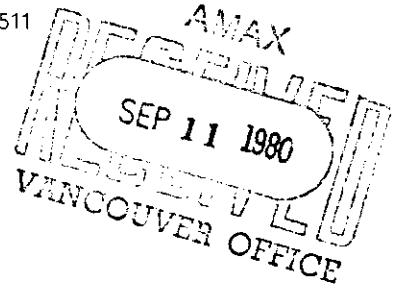
CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

Telex: 43-51280



Left in Hole

Hole 51

2 NW 2 foot casing @ 32.50	65.00	
1 NW 10 foot casing	112.15	
1 NW Shoe E1716	126.00	
	<u>303.15</u>	
Plus 18%	54.57	

357.72

Travel Time (Client Portion Only Shown on Daily Reports)

Hole 49	8 hours @ 23.00 ✓	184.00 ✓	
Hole 50	20 hours @ 23.00 ✓	460.00 ✓	
Hole 51	20 hours @ 23.00 ✓	460.00 ✓	

1,104.00 ✓

Moves

Hole 49 to 50

15 hours @ 64.80 ✓	✓ 972.00	
--------------------	----------	--

Hole 50 to 51

14 hours @ 64.80 ✓	✓ 907.20	
24 hours @ 23.00 ✓	✓ 552.00	
	✓ 1,459.20	

Move Out From Hole 51

26 hours @ 64.80 ✓	✓ 1,684.80	
22 hours @ 23.00 ✓	✓ 506.00	
	✓ 2,190.80	

4,622.00 ✓

Sold To Client

400 gallons diesel	✓ 550.81	
170 gallons gasoline	✓ 231.77	

✓ 782.58

\$ 60,244.73

*Approved for payment Sept. 1/80
 Fred Harris proj. 836.*

PAID CK 20388

Date	Hourly Rate	Standby Rate	Extra Crew Rate	NE	NW	CONSUMABLES	Date	Hourly Rate	Standby Rate	Extra Crew Rate	CONSUMABLES
TRAIL	49	Time					Client	Testing			
Hole	49						Hole	49			
Aug 01			2				Aug 02	1			
02			2								
TOTAL			8				Hole	50			
							Aug 08	1			
Hole	50										
Aug 03			2				Hole	51			
04			2				Aug 13	1			
05			2								
06			2								
07			2								
TOTAL			20				MOVES				
							Hole	49	to	50	
Hole	51						Aug 02	4			
Aug 09			2				03	11			
10			2				TOTAL	15			
11			2								
12			2				Hole	50	to	51	
13			2				Aug 08	9		16	
TOTAL			20				09	5		8	
							TOTAL	14		24	
REAMING							move out from	Hole	51		
Hole	50						Aug 13	2			400 gallons diesel
Aug 04	8					NW Shoe G 2273	14	11		22	170 gallons gas
							15	9			
LEFT	IN	HOLE	51				16	4			

AMAX
DRILLING
 SEP 11 1980

Longyear

Longyear Canada Inc.

CONTRACT DRILLING DIVISION

721 Aldford Avenue

Annacis Island, New Westminster, B.C. V3M 5P5

Telephone: 604-524-2511

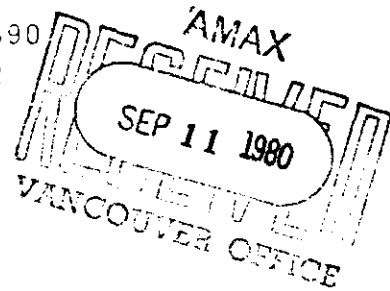
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49	NQ Wireline	406	500	✓94	22.60	2,124.40
		500	756	✓256	23.75	6,080.00
50	Overburden	0	16	✓16	23.75	380.00
	NQ Wireline	16	500	✓484	22.60	10,938.40
		500	906	✓406	23.75	9,642.50
51	Overburden	0	21	✓21	23.75	498.75
	NQ Wireline	21	500	✓479	22.60	10,825.40
		500	856	✓356	23.75	8,455.00
				2134		49,466.95

Demobilization

Lump Sum \$12,200.00 x 25%

3,050.00

Client Testing

Hole 49 1 hour
Hole 50 1 hour
Hole 51 1 hour

64.80

64.80

64.80

194.40

Reaming Casing

Hole 50
8 hours @ 64.80

518.40

1 NW Shoe E2273

126.00

Plus 18%

22.68

148.68

TERMS—NET 30 DAYS—INTEREST CHARGED AT 21% PER ANNUM ON OVERDUE ACCOUNTS

667.08