

GEOLOGICAL INVESTIGATION  
and  
drilling of the  
HACAS  
property and adjacent claims  
Houston area B.C. (93 L/3)  
Omineca Mining District  
by H. Salat  
March 1, 1978

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**6658**  
NO. \_\_\_\_\_

**PART 1 OF 3**

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## INTRODUCTION

Upon option of the HAGAS claims from Mr. J.M. McAndrew of Surrey, British Columbia by Aquitaine Company of Canada Ltd. of Calgary, the author has examined the geology, reassessed its potential and implemented the drilling of some geophysical anomalies.

During the last part of the winter, a ground electromagnetic survey was carried out by an Aquitaine geophysicist to re-interpret a conductive anomaly previously underlined and drilled (see report by G. Hendrickson, 1977). This near-surface conductor, coincident with soil geochemical anomalies in mercury, silver and arsenic, was drilled from the wrong direction and consequently warranted further examination.

Prior to undertaking drilling of that anomaly, an airborne EM survey was contracted out to Scintrex Ltd. of Toronto to check out any possibility for prominent conductors. From field data, one outstanding geophysical feature was drilled and staked out, these additional claims being added to the original property.

## PROPERTY LOCATION AND ACCESSIBILITY

At this date, the property consists of seven HAGAS claims staked under the old 2-post system, surrounded by three new claims, HAGAS 76, 77 and 78. During the course of our work a new claim, HEM of 12 units, was added to the original block; all these claims are situated within the Omineca Mining Division:



LOCATION MAP

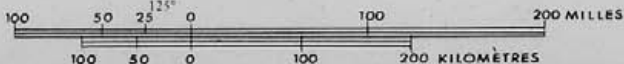
DATE	SCALE
Prep. by	FILE

PLATE 1



PACIFIQUE

130°



ECHELLE 1:6,716,160 ou 106 MILES ou POUCE

HAGAS 1	Record No. 108688
HAGAS 3	Record No. 108690
HAGAS 4	Record No. 108691
HAGAS 5	Record No. 108692
HAGAS 6	Record No. 108693
HAGAS 16	Record No. 108703
HAGAS 76 (4 units)	Record No. 507
HAGAS 77 (4 units)	Record No. 564
HAGAS 78 (18 units)	Record No. 565
HEM (12 units)	Record No. 826

The property is located in the Intermontane physiographic belt next to the Coast Range Complex to the west. The region has a low to moderate relief ranging in elevation from 750 to 1000 meters, and is intersected by broad valleys occupied with powerful rivers or lakes. The claims themselves overlie a wide plateau flanking to the northwest Pimpernel Mountain and gently sloping down toward the Morice River (topographic map NTS 93L/3 - Lamprey Creek).

Access to the property is exceptionally good, from Houston, British Columbia. A well maintained forestry gravel road used by lumber trucks follows the Morice River starting 3 km west of the town of Houston on Highway 16. At Mile 26, i.e. 42 km, a secondary gravel road, in poor condition, winds uphill to the elevated plateau for about 12 km and ends in the middle of a lumbered-off area which occupies most of the HAGAS property.

#### GEOLOGICAL NOTES

The physiography of the property consists of deforested hills of low relief surrounding a swampy zone, at the middle of which flows a small tributary to the Morice River; the swamp and associated

shallow lakes are the results of several small beaver dams built in succession. All around the property the hills are heavily timbered with good stands of spruce, white bark spruce and Douglas fir, interspersed with poplars.

The logged-off area provides removal of the underbrush and an easier way to locate outcrops. Rock exposures seem to be concentrated in the western and southwestern portion of the property.

The basement rocks belong to the Hazelton Group of Jurassic age and underlie most of the property. They can be divided into two successive assemblages of volcanic rocks. At the base, a series of green, mottled andesite, breccia and pyroclastics, encountered over the entire southwestern corner of the area, shows a strong, pervasive epidotization, associated at a lower degree with chlorite, calcite and quartz. The general extent of this alteration leads us to believe that it was a metamorphic phenomenon affecting this sequence of volcanic beds. The top of this unit is indicated by dark green, fragmental volcanic rock interlayered with red-brown argillite containing green, flattened, volcanic, vesicular fragments similar to the underlying bed. Overlying the preceding succession, bedded maroon and brown andesitic flows, lapilli tuffs and dacitic pyroclastics outcrop in near horizontal horizons in the northern part of the property. These beds are also affected by the same epidote replacement. The nature of the volcanic flows and elements composing it suggest an aerial to sub-aerial mode of emplacement: tephra, welded tuff, hematitized flowtop, numerous vesicles etc., while the sequence beneath

it would relate more to an sub-aqueous type of volcanism.

A Tertiary volcanic pile composed of brown-weathering aphanitic, hornblende andesite, the Buck Creek volcanic rocks (see N. Church, 1972), covers the eastern and southern portion of the property, and forms a conspicuous rounded top knoll emerging from the generally flat-lying landscape.

In the northern portion of HAGAS 78 a small gabbro stock pierces through the Hazelton volcanics; it consists of a green, coarse grained gabbro with well developed plagioclase laths and poikilitic augite. Several small dykes of very fine grained diorite cut through the property, generally striking in a northwesterly direction.

Pleistocene cover is difficult to assess and very erratic as seen by the drilling. It blankets most of the area mainly to the east and around the outcropping knolls. No exposure of it can be observed and its nature is known strictly by drilling. Some glacial striae were noted near the western boundary of the claims and indicate ice direction at N45°W with ice itself moving towards the southeast, probably reflecting a local variation of the general easterly ice advance.

#### GEOPHYSICS AND DRILLING RESULTS

As mentioned previously, a geophysical anomaly had been reported in the swampy area right in the middle of the property. This anomaly, interpreted as a moderately good conductor, was previously investigated

by former owners, using a Turam lay-out. This conductor was drilled in two locations (see re-logging of the two diamond drill cores) but drilling failed to intersect any zone of conductance and finally, later interpretation of the geophysics demonstrated that the drill holes had been set up in the wrong direction.

Upon taking option of the property, Aquitaine implemented a horizontal co-planar looped EM survey using a MaxMin II instrument to re-examine the conductor. The survey indicated a moderately conductive anomaly with a probable dip toward the west.

This interpretation was tested by a diamond drill hole, 154.6 m (507 feet) long at  $-60^{\circ}$  with a  $135^{\circ}$  direction (southeast). The location of the drill site was station 1+25.5W on line 2N in relation to the MaxMin II survey's grid. As seen from the log, the hole went through a succession of andesitic tuffs and flows interlayered with minor dacitic and lapilli tuffs. Near the surface, several beds rich in pyrite or made of massive pyrite were intersected, none of which are thicker than 1.20 meters. However, they all occur between 22.5 m (74') and 35.6 m (117') with some pyrite veinings between 12.5 m (41') and 14.6m (48'), and also between 4.6 m (136.5') and 43.6 m (143'). The aggregate thickness of the pyrite-rich zones amounts to 8 m spread over 31 m (102'). As the pyrite zone was concordant with the different rock types, we can assume that the conductor was dipping  $60^{\circ}$  toward the west.

The pyrite was sampled and sent to the laboratory for analysis. None returned any interesting values (see Table 1).



TABLE 1

Assays From Core Samples, Analysed by Loring Laboratories Ltd.

SAMPLE NO.	OZ/TON Au	OZ/TON Ag	% Cu	% Pb	% Zn	% As
HAGAS 41-48	Trace	.24	.01	NIL	.01	.09
HAGAS 74-74.5	Trace	.24	.005	.02	.02	.06
HAGAS 76	Trace	.14	.005	.04	.01	.05
HAGAS 78-78.5	Trace	.28	.005	.02	.02	.18
HAGAS 79.5	Trace	.04	.005	.02	.01	.03
HAGAS 99-101	Trace	.36	.005	.02	.01	.17
HAGAS 107-111	Trace	.34	.005	.02	.02	.74
HAGAS 114-117	Trace	.10	NIL	.04	.04	.09
HAGAS 136.5- 137.8	Trace	.10	.02	.02	.04	.69
HAGAS 142-143	Trace	Trace	.005	.02	.02	.51

Prior to undertaking the drilling of the property, it was decided to have the area flown with an EM system. The contract was handed to Scintrex for their HEM 801 system, which was subsequently flown at the beginning of October. Due to the late date in the field season, only the raw data were taken into account. As a result, one anomaly which stood out very clearly was selected for investigation. As it was located somewhat outside the HAGAS claim boundary, a new claim (HEM) comprising 12 units was staked to cover the anomaly.

At that time, Kenting exploration was contracted to conduct an EM MaxMin II survey in order to determine the location and attitude of the conductor causing the airborne anomaly. Three lines were therefore cut and surveyed for a total of 7 line-kilometers.

The conductor was successfully relocated on line 00 at station 600SE. The drilling machine was positioned at station 700 and sank a hole at  $-45^{\circ}$  with an azimuth of  $315^{\circ}$ . The cores brought back to the surface showed a monotonous series of green andesite overlain by 83.2 m (273') of red-brown, hematitic, pebbly mudstone of glacial origin. It was obvious that the survey had picked up an overburden anomaly corresponding to fault-bordered glacial valley. Many of the other airborne anomalies must have been of the same nature.

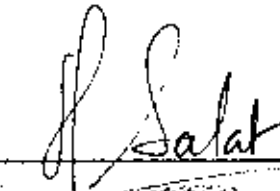

#### CONCLUSION

The different types of approach to examine the HAGAS property have led to negative results. The first geophysical conductor which held good hopes mainly on the basis of the coincident geochemical responses was finally intersected and explained but did not correspond to any valuable mineralization.

Subsequently, other conductors within the property were discovered by airborne geophysics, and testing of one of the best was not any more successful than the previous one. Geology and the prospection did not bring any additional encouragement. Consequently, at the termination of this property evaluation, Aquitaine Company of Canada Ltd. dropped its option and returned the HAGAS and HEM

claims to their previous owner.

HS/jad  
February 1978

  
H. Salat  
  
Expire Date: June 5, 1978

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- 1977: Report on Horizontal Loop Electromagnetic Survey for Aquitaine Company of Canada Ltd. in the Houston, British Columbia, NTS 936, submitted to the B.C. Department of Mines and Petroleum Resources for assessment work on the claims HAGAS 76, 77, 78 & HEM.

Rice, H.M.A.

- 1949: Smithers - Fort St. James Map Sheet, Geological Survey of Canada Map #971A.

Scintrex Ltd.

- 1977: Logistical Report on Airborne Geophysical Survey, Smithers Area, B.C. on Behalf of Aquitaine Company of Canada Ltd., submitted to the B.C. Department of Mines and Petroleum Resources for assessment work on the claims HAGAS 1, 3, 4, 5, 6, 16 and HEM.

APPENDIX I

Description of Rock Outcrops

## DESCRIPTION OF ROCK OUTCROPS

Outcrop #1 - Top of knoll, 100 m west of claim HAGAS 78 north-south boundary.

At the top of the knoll there is a light green, fine grained andesite with a few feldspar and some hornblende crystals.

Below, a fragmental, lapilli-size tuff made of dense dark to red andesitic fragments (.5 to 2 cm in diameter). Matrix is uniformly light green due to epidote and chlorite.

The contact is irregular and strikes  $175^{\circ}$  with a west  $60^{\circ}$  dip.

Outcrop #2 - Near the southern claim boundary, approximately 300 m to southeast of previous outcrop.

Green andesitic tuff to andesite, chloritized and epidotized. Some very small red and dark fragments.

Thin section: H-2 Holocrystalline texture although a tendency to porphyritic (presence of a few phenocrysts) 20 to 25% of all feldspars are orthoclase while the rest is rather basic plagioclase (An 50-60). All feldspars are altered and replaced by tiny grains of epidote.

Strong alteration (metamorphism) under the form of interspersed grains of epidote, large crystals of zoisite, fresh chlorite and a few quartz; also some remarkably fresh feldspar associated with epidote in large clusters.

### Metatrachy-basalt

Outcrop #2' - Along the southern boundary of logged-off area. 200 m from previous outcrop.

Small outcrops of green porphyritic andesite, loaded with large phenocrystal laths.

Outcrop #3 - Along the southern boundary again, 50 m away.

Andesite, slightly porphyritic with a reddish black matrix. There are a lot of amygdules filled with epidote and calcite in center. Locally, the rock is completely epidotized.

Thin Section: H-5 Slightly fluidal texture, no feric minerals. The laths are essentially sanidine with very small grains of quartz. Also a few plagioclase (albite to An<sub>10</sub>). Tiny depressed grains of epidote.

#### Trachyte

Outcrop #4 - 50 m east of preceding outcrop.

Same amygdaloid andesite but cut by small very fine-grained dyke (up to 10 cm wide) broken up in place, relayed and thinning out with typical chilled margin and reaction border in surrounding rock (strike 050°, dip 55° northwest).

Thin section: H-6A Volcanic opaque glass with many vesicles filled with first generation of 75% plagioclase (An 20-30) and the rest being sanidine, then by a second generation of zoisite, calcite and minor quartz. In the glass, dispersed grains of epidote and laths of plagioclase and a few sanidine.

#### Trachy-andesite

Outcrop #5 - 50 m north of claim post 6S-2W.

At the base, halfway up the little knoll: reddish fragmental andesite 3 m higher, reddish to light brown weathering porphyritic andesite; the matrix is still reddish (hematite) but of a lighter red with a lot of amygdules full of epidote, seams of epidote and also large zones completely replaced.

Outcrop #6 - Again, 50 m north of preceding outcrop.

Dark brown weathering andesite, locally fragmental. In fresh broken rock: dark green in color with chlorite, hematitic nodules and green feldspar in aphanitic matrix, yet a lot of epidote amygdules.

Outcrop #7 - 100 m to the north, across a small, swampy trough.

Fine grained, dark green magnetic and pyritic "andesitic" dyke (?) (045°, dip of 60° northwest).

Outcrop #8 - 150 m to the west, towards end of road.

Small outcrop of dark andesite with feldspar phenocrysts and probable pyroxene. Also very magnetic. Maybe basaltic. Epidote vesicles and veinlets.

Outcrop #9 - On north side of the creek, 500 m north of "main" access road, an east-west elongated hill. From east to west:

-Dark brown manganiferous andesite with a few fragments; the matrix is similar to outcrop #8. As the abundance of fragments increases, so does the epidote.

-Completely epidotized fragmental andesite similar to outcrop #1. Here the fragments are elongated into a north-south direction with an apparent dip to the west.

-Westerly, pyroclastics with completely epidotized matrix; some fragments are up to 15 cm long by 5 cm wide. Locally, they seem to be sheared (strike of shearing 050° east, horizontal). Fragments, angular to subangular, are polygenic but are all basic volcanic (from amygdaloid porphyritic basalt to red cherty-looking trachyte).

Outcrop #9 - On the north facing side of the hill.

Green andesitic dyke with very fine grained aphanitic margin (cherty looking) striking N45°W.

On the outcrop, glacial striae indicating ice movement toward the east at N45°W ±5°.

Outcrop #10 - On other side of logged-off area, northern edge of a large swamp.

Hematitic, red-brown-maroon andesite with phenocrysts of chlorite and feldspar.

Outcrop #11 - Knoll at the northwest tip of the large swamp is in logged-off area.

Andesite to dacite with pink matrix, feldspar phenocrysts and very minor quartz (?) and green hornblende laths strongly replaced, especially along the boundary by epidote which often clusters.

Thin section: H-15 Small grain size, volcanic flow texture plagioclase (An 30-40) essentially in microlites and some larger laths. There is 20 to 25% sanidine. Femic minerals are mainly large zoisite, some calcite and quartz. Abundant disseminated epidote throughout the rock and specks of limonite.

#### Trachy-andesite

Outcrop #11' - On western side of knoll.

Green, epidotized in places, heavily amygdaloid andesite.

Thin section: H-16 Fine grained matrix, pretty well epidotized, containing large laths of chlorite and large clusters of plagioclase phenocrysts (An 25-30). The small grains of epidote have pretty well



APPENDIX II

Logging of 1977 Diamond Drill Holes

## DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top  
portion of form only on first page for each hole.FILL IN ON  
EVERY PAGEHOLE NO.  
77-1PAGE NO.  
1

Depth		ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	FLUOR FEATURE ANGLE	% Sul- fide	-RUB SAMPLE NUMBER	SAMPLE		ASSAYS - %			
FROM	TO						Depth FROM	Depth TO	SAMPLE LENGTH	Cu	Pb	Zn
0	11.6 (38')		Coring - 80 diameter Casing									
11.6	18.9 (62')	Andesite tuff	Dark maroon to pinkish with indigo and grey part andesitic tuff, grading to basaltic composition @ 14.3 m (47'). Much discoloration veining in darker hue basaltic tuff. Very fine grained grey tuff between 15.5 m (51') and 15.7 m (51.5') and 16.5 m (54') and 16.8 m (55'). Much pyrite veining and heavy disseminated pyrite between 12.5 m (41') and 14.6 m (48').			HAGAS 41-48	12.5	14.6	2.1	.01	NIL	.01
18.9	39 (128')	Andesitic Lapilli Tuff	Same as above but more fragmented into lapilli size particles. However some fragments are 1 to 2 cm in Ø. Many bleached and epidotized horizons (2 to 3 cm thick). Some intervals heavy in pyrite.			HAGAS 74-74.5 76 78-78.5 79.5 80 89-101 60 75	22.6 23.2 23.8 24.2 30.2 32.6 34.7	22.7 23.9 30.8 33.8 35.6	.1 .05 .1 .07 .6 1.2 .9	.005 .005 .005 .005 .005 .005 NIL	.02 .04 .02 .02 .02 .02 .04	.02 .01 .02 .02 .01 .02 .01
			From 20.4 m (67') down, lighter in color and quartz appears in cement. From 11.6 m (38') to 18.9 m (62'), it is a volcanic flow, then below it is a horizon made of ejecta (tephra looking fragments).									
39	46.9 (154')	Dacitic Tuff	Pinkish to light grey dacitic tuff with many elongated and flattened fragments resembling a welded rhyolitic tuff. Otherwise very fragmental in places (lapilli size). Many pyrite stringers and veining along joints. From 44.5 m (146') down, more quartzitic rhyolitic crystal tuff and locally more brecciation. Heavy pyrite cement between fragments: 41.6 m (136.5') to 42 m (138.8') and 43.3 m (142') to 43.6 m (143').			HAGAS 50 60	136.5-138.5 42-43	41.6 43.6	.4 .3	.02 .005	.02 .02	.04 .02

LOCATION OF HOLE IN RELATION TO A  
FIXED POINT ON THE CLAIM  
Line 2N (MaxMin 11 Survey  
grid-see G. Hendrickson's  
@ Station 1+12.5WMAP REFERENCE NO.  
93L/3  
CLAIM NO.  
Hagas 77  
LOCATION (T.P., Lat., Lon., OR Lat. and Long.)  
see photo map in pocketPROPERTY NAME  
Hagas

## DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top  
portion of form only on first page for each hole.FILL IN ON  
EVERY PAGEHOLE NO.  
77-1PAGE NO.  
2

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		_____		LOCATION (Twp., Lot, Con. OR Lat. and Long.)	
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		_____			
					_____			
					_____	PROPERTY NAME		

Depth FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	FLUIDS FEATURES HOLE	% Sul- fide	YOUR SAMPLE NUMBER	SAMPLE Depth		SAMPLE LENGTH	ASSAYS
							FROM	TO		
46.9	53 (174)	Trachy-Andesite Flow	Green fragmental crystal tuff with flow features. Feldspar fragments (.1 to .3 mm) in very chloritized matrix containing micron size particles. Toward base more massive flow type with shards of zoisite striking at 60° of core axis. From 49.4 m (162') down, light colored more feldspathic trachy-andesite, similar to overlying unit except for color.							
53	56.7 (186')	Dacitic Flow	Series of light grey dacite flows. The rock is very fine grained at bottom and becomes more and more fragmental upward. The top is marked by vesicles flat and filled with quartz. Flows are perpendicular to core axis. 1st flow is from 53 m (174') to 53.9 m (177') next 53.9 m (177') to 54.9 m (180') next 54.9 m (180') to 56.7 m (186'). This one is all hematized, red-brown in color with round vesicles.							
56.7	64.9 (213')	Andesitic Flow	Andesitic flow, green at bottom coloring into maroon-red, vesicular at top. Vesicles are filled with white calcite and a rim of green chlorite.							
66.1	77.7 (245')	Andesitic Flow	Andesitic flow. Top of flow from 67.7 m (222') to 66 m (217') has much bigger vesicles up to 1 cm and filled with kaolin (?), calcite and hematite. From 67.7 m (222') down, massive green andesite. The bottom 7 cm, large clots of epidote.							
77.7	80.8 (265')	Fragmental Andesite	Dark green to light green fragmental andesite. The top 2 cm is marked by hematization. The unit is composed of several horizons 2 to 5 cm thick each, some of which include hematized fragments (up to 1 cm in size).							







## DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON  
EVERY PAGEHOLE NO.  
77-2PAGE NO.  
2

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM		MAP REFERENCE NO	CLAIM NO			
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		ft	LOCATION (Twp., Lot, Con. OR Lot. and Long.)						
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		ft							
					ft							
					ft	PROPERTY NAME						
Depth FROM	TO	ROCK TYPE	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.			PLUMMER FEATURE HOLE	% Sul- fide	YOUR SAMPLE NUMBER	SAMPLE Depth FROM	TO	SAMPLE LENGTH	ASSAYS
			composition. Strongly magnetic.									
98.9	102.1 (335')	Andesite flow	Green basaltic andesite flow. Green with red-brown streaks, with elongated flowing green zones. No fragments.									
102.1	116.7 (382.8')	Andesite	Green to light green massive andesite with many small clots of chlorite and a few vesicles filled by epidote. Between 105.8 m (374') and 106.2 m (348.5'), strongly replaced by epidote-calcite (and quartz). From 107.9 m (354') down, more and more vesicles filled with calcite and chlorite.									
116.7	124.4 (408')	Andesite flow	Green basaltic-andesite flow with long elongated structures, irregularly shaped. Angular elongated spots of deep green color within a deep red brown matrix. A few vesicles and veins filled with chlorite, quartz and epidote in that sequence.									
124.4	125.1 (410.5')	Mylonite	Brecciated mylonized rock replaced entirely by epidote and quartz. A few remnants suggest it was the same rock as above.									
125.1	154.2 (506')	Andesite	Green andesite with epidote. Large veins of epidote and many stringers of quartz, sometimes with epidote. Strong epidotization at 130.8 (429') over 15 cm and at 131.7 m (432') over 15 cm and between 132.4 m (434.5') and 132.7 m (435.5'). In vicinity of these epidote zones the andesite is brecciated. From 135.6 m (445') and 146.3 m (480') many calcite veins, stringers and brecciated zones filled by calcite. The same at 150.6 m (494'). From 134.1 m (440') down, many brown hematized blebs (pyrite?).									
154.2	(506')		END OF HOLE, HEM DDH 77-2									

APPENDIX III

Re-Logging of Previous Diamond Drill Holes



## DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON  
EVERY PAGEHOLE NO.  
H-1PAGE NO.  
1

FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	PLANAR FEATURE SAMPLE #	CORE SPECIMEN FOOTAGE #	YOUR SAMPLE NUMBER	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH	ASSAYS
			BQ Coring	Colour, grain size, texture, minerals, alteration, etc.					
0	85		Overburden.						
85	100	Conglomerate	Polymictic conglomerate with fragment of volcanic rock, slate up to 3 cm in Ø. Fragments are well rounded and the biggest (several cms in Ø) are flattened. 97' to 98.5' is crushed conglomerate; maybe a gouge zone as it grades again into a normal conglomerate.						
100	112	Sandstone	At top: sharp contact against a 5 cm gouge zone. Whitish brecciated siliceous rock finely granular. Between quartz crystals a pinkish material which could be feldspathic. In fractures, brownish ferruginous material. From 106' down, fragmented violet zones.						
112	134	Volcanic tuff	Pinkish fragmental volcanoclastic becoming more and more reddish. In places remains of fragments representing green welded rhyolitic tuff core or less flattened and broken, with hematitic red-brown filling. Top of the unit is bleached and in matrix, much epidote is present.						
134	140	Volcanic Siltstone	Top: reddish siltstone with 1 to 5 mm fragments of volcanic origin. Base: brecciated conglomeratic reddish siltstone.						
140	152	Conglomerate	Top: brownish green argillite grades toward base to volcanoclastic conglomerate with flour-sized tuffaceous matrix. Fragments of conglomerate are polygenic: red argillite, white rhyolite, green dacite.						
152	215	Siltstone to Conglomerate	Same cycle: top is a bleached felsic unit (siltstone) becoming more conglomeratic. Base is a true greenish conglomerate. Pyrite in fracture.						

DRILLING COMPANY D.W. Coates Enterprises		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH N40W	TOTAL FOOTAGE 303'	DIP OF HOLE AT COLLAR -60
DATE HOLE STARTED Feb. 8, 1973	DATE COMPLETED Feb. 10, 1973	DATE LOGGED	LOGGED BY H. Salat		
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		

LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM EM Grid (Turam) -1600' NE, 670' NW	MAP REFERENCE NO. 93L/3	CLAIM NO. Hagas 16
LOCATION (Twp., Twp., Con. OR Lat. and Long.) see photo map in pocket		
PROPERTY NAME Hagas		

MAP REFERENCE NO. 93L/3	CLAIM NO. Hagas 16
LOCATION (Twp., Twp., Con. OR Lat. and Long.) see photo map in pocket	
PROPERTY NAME Hagas	

HOLE NO. H-1	PAGE NO. 1
CLAIM NO. Hagas 16	
LOCATION (Twp., Twp., Con. OR Lat. and Long.) see photo map in pocket	
PROPERTY NAME Hagas	



## DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON  
EVERY PAGEHOLE NO  
H-2PAGE NO  
1

FOOTAGE FROM TO		ROCK TYPE	DESCRIPTION	PLANNED FEATURE	CORE SPECIMEN	TEST SAMPLE	SAMPLE FOOTAGE FROM TO		SAMPLE LENGTH	ASSAYS +	
0			Overburden.								
114	118	Clay and Silt	3 sequences of vaguely layered clay and silt. The top sequence contains a 5-cm thick unit of arkosic, carbonated clayey sandstone.								
118	125	Conglomerate	Polymictic conglomerate with interlayers of beige-buff clayey carbonated material, very hematitic in places (deep-red color).								
125	137	Clay	Earthy looking beige to reddish clay.								
137	139	Breccia	Reddish hematitic breccia, probably a flow top grading into underlying unit.								
139	153	Rhyolitic Tuff	Whitish, fine grained rhyolitic tuff, locally strongly brecciated. Some layers up to 10 cm thick are reddish or greenish. At bottom more reddish color prevails and rock is chloritized.								
153	156	Andesite	Andesitic flow with broken up reddish vesicular flow top. Vesicles are filled with calcite, chlorite and quartz.								
156	199	Andesite	Reddish vesicular andesitic flow, loaded with blebs of chlorite. The flow top is fragmental. In vesicles or voids: quartz and calcite. Some variation in color to whitish-green interval but basically same rock. From 180' down, lighter and lighter in color. At bottom, dark grey amygdaloidal andesite.								
199	228	Volcanic Breccia	Various cycles of fragmental breccia, greenish to pink with large variation in fragment size. Fractures are filled with calcite and pyrite.								
228	242	Crystal Tuff	Whitish rhyodacitic crystal tuff with amygdules of calcite. A long vertical (along core axis) fracture is filled with tuff.								

DRILLING COMPANY D.W. Coates Enterprises		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH N40W	TOTAL FOOTAGE 302'	DIP OF HOLE AT COLLAR -60
DATE HOLE STARTED Feb. 12, 1973	DATE COMPLETED Feb. 13, 1973	DATE LOGGED	LOGGED BY H. Salat		
EXPLORATION CO. OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)		

LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM EM Grid (Turam) 2400'NE, 330'NW	MAP REFERENCE NO. 93L/3	CLAIM NO. Hagas 16
LOCATION (Twp., Lot, Con. OR Let. and Long.) see photo map in pocket		
PROPERTY NAME Hagas		

MAP REFERENCE NO. 93L/3	CLAIM NO. Hagas 16
LOCATION (Twp., Lot, Con. OR Let. and Long.) see photo map in pocket	
PROPERTY NAME Hagas	

## DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top  
portion of form only on first page for each hole.FILL IN ON  
EVERY PAGEHOLE NO.  
H-2  
PAGE NO.  
2

DRILLING COMPANY		COLLAR ELEVATION	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE	DIP OF HOLE AT collar	LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM	MAP REFERENCE NO.	CLAIM NO.				
DATE HOLE STARTED	DATE COMPLETED	DATE LOGGED	LOGGED BY		ft   ft   ft   ft		LOCATION (T <sub>p</sub> , Lat, Lon, DR Lat. and Long)					
EXPLORATION CO., OWNER OR OPTIONEE		DATE SUBMITTED	SUBMITTED BY (Signature)				PROPERTY NAME					
FOOTAGE FROM	TO	ROCK TYPE		DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.				# DIAM FEATURE HOLE #	CORE SPECIMEN FOOTAGE #	FOUR SAMPLE NUMBERS	SAMPLE FOOTAGE FROM TO	SAMPLE LENGTH
			fragments of different sizes, rotated along the fracture and some pyrite, probably representing a volcanic (steam?) channel way.									
242	257	Dacite	Whitish to greenish fragmental dacitic flow.									
257	295	Porphyritic Andesite	Green porphyritic andesite. Epidotization in place. Magnetic.									
295	302	Andesitic Tuff	Deep green andesitic tuff with elongated flattened fragments, some have been hematitized. Matrix is chloritized. Large voids filled with calcite.									
302			END OF HOLE									

APPENDIX IV

Microscopic Study of Thin Sections From 1977 DDR Cores

MICROSCOPIC STUDY OF THIN SECTION  
FROM DRILL CORES

---

DDH-HAGAS 77-1

- 33.8 m (111') Rhyolitic ash-flow.  
Very finely interlocking crystalline (silt size) of quartz grain, well sorted.  
Some very local mesostasis full of tiny micro-lites.  
Development of large orthoclase (probably sanidine). Large secondary quartz and calcite grains and a few grains of epidote along fractures.  
Abundant limonitic spots.
- 34.4 m (113') Rhyodacite.  
Aphanitic matrix with many phenocrysts of orthoclase and a few plagioclase (An 30-40). Matrix itself is composed mainly of very fine grains of quartz. Small but pervasive development of carbonate, quartz grains.
- 46.6 m (153') Dacite.  
Fluidal and microgranular texture.  
Many phenocrystal laths of sanidine. Smaller ones are plagioclase (An 30 apprx.) as well as the microlites.  
Some (questionable) grains of quartz.  
Abundant small calcite grains throughout the section.  
A few opaque minerals (limonite?).
- 67.4 m (221') Rhyolitic crystal tuff.  
Fine grained (silt size) assemblage of quartz and orthoclase in an even finer matrix of quartz. Quite a few large crystals of orthoclase.
- 83.2 m (273') Quartzitic tuff.  
Holocrystalline texture, fine grained and very abundant quartz and small needles of orthoclase. Many grey minerals remain very dark in part: probably orthoclase, also possible plagioclase. Many scattered grains of epidote and pyrite.  
Some secondary quartz.

DDH-Hagas 77-2

43.3 m (142')

Rhyolite.

Fluidal texture.

Siliceous matrix in which floats a number of sanidine microliths of the same size.

No femic mineralis; however clusters of tiny greenish minerals (chlorite probably) around microliths.

46.6 m (153')

Rhyolitic flow.

Dark reddish volcanic glass, with scattered angular, small to phenocryst-size sanidine.

A few rare plagioclase.

Abundant vesicles filled with quartz and chlorite; the chlorite usually being in the center.

64.0 m (210')

Pyroclastic rhyolitic tuff.

Siliceous matrix formed of very fine silt-size quartz grains and many carbonate.

Large orthoclase crystals.

Large fragments of volcanic rocks: usually of the same nature as the volcanic glass of thin section "46.6 m" described above, or pieces of fluidal rhyolite.

Fractures are filled with calcite.

72.5 m (238')

Calc-alkaline rhyolite.

Idiomorphic to phenocrystal volcanic rock with minor glassy matrix.

Abundant well formed orthoclase crystals and many plagioclase phenocrysts (An 20-30).

Silt to sand-size xenomorphic quartz.

Blebs of epidote scattered throughout.

The section is pervasively carbonatized and calcite in fracture.

80.5 m (264')

Trachyte.

Porphyritic texture.

Many phenocrysts of plagioclase (An 25-35).

A few sanidine.

Microliths are essentially sanidine and chlorite.

Many scattered grains of limonite and a few pyrite.

Some calcite.

STATEMENT OF EXPENDITURES

Labor

Field Labor

D.W. Pollock, Staff Geologist-May 16-20 @\$150	\$750.00	
H. Salat, Project Geologist-May 16-20 @\$150	750.00	
Oct. 10-16 @\$150	1050.00	
Report of microscope study H. Salat- 7 days @\$150	<u>1050.00</u>	
		3600.00

Food, Lodging and Transportation

Idylwild Inn	178.36	
Idylwild Inn	188.00	
Gold Cap Motor Inn #20925	22.65	
Field Expenses		
D. W. Pollock - May	456.25	
H. Salat - May	412.00	
H. Salat - October	673.83	
Canuck Truck Rental #23689	<u>286.96</u>	
		2218.05

Map and Reproduction

B.C. Map Division #Y22882	8.00	
B.C. Map Division #Y23105	7.50	
B.C. Map Division #Y23059	35.00	
Carter Mapping #36197	4.50	
Carter Mapping #36693	4.50	
Riley's #CR74133	108.36	
Riley's #CR75104	70.39	
Riley's #CR09621	<u>28.22</u>	
		266.47

Line Cutting - Gerard Auger

<u>731.25</u>	731.25
---------------	--------

Diamond Drilling - J.T. Thomas

<u>14182.00</u>	14182.00
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Laboratory Costs

Loring Laboratories #14276	276.00	
Vancouver Petrographic Ltd. #1158	<u>110.00</u>	
		386.00



Kenting Exploration - MaxMin II Survey

4255.00

4255.00

Scintrex Ltd. - Airborne Geophysics Survey - Portion of (1/3)

Invoice October 21, 1977           \$6400.00  
Invoice November 18, 1977       14333.13

2133.33

4777.71

6911.04

SUB-TOTAL

32549.81

Administration and Supervision @ 10%

3254.98

TOTAL

\$35804.79

APPENDIX V

Drilling Contract

AGREEMENT

---

BETWEEN: AQUITAINE COMPANY OF CANADA  
540 Fifth Avenue, S.W.  
CALGARY, Alberta  
(Hereinafter referred to as the  
'COMPANY' of the First Part)

AND: J. T. THOMAS DIAMOND DRILLING LTD.  
P. O. Box 394,  
Smithers, British Columbia  
(Hereinafter referred to as the  
'CONTRACTOR' of the Second Part)

A. THE CONTRACTOR COVENANTS AND AGREES:

1. THAT all holes shall be drilled with BQ wireline equipment providing a core approximately 1-7/16" in diameter.
2. THAT the Contractor shall use his best endeavor to complete all holes according to the wishes of the Company, but should rock conditions prevent successful completion of the hole, the Contractor is not obliged to complete the same, but shall be paid for such incomplete holes at contract rates for the completed footage.
3. THAT the Contractor will supply his own transportation, accommodation, and mobilization.
4. THAT the Contractor will supply water to the drill at his own expense.
5. 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.
6. THAT the Contractor will supply a machine suitable for moving the drill and preparing drill sites.
7. THAT the Contractor will pay the cost of moving between sites.
8. THAT the Contractor will supply coreboxes at no cost.
9. THAT the Contractor will absorb all cementing cost if necessary.
10. THAT the Contractor will pay the cost of drilling mud and additives required for this job.
11. THAT the Contractor shall maintain General Comprehensive Liability Insurance with minimum inclusive limits of \$500,000 covering bodily injuries and property damage and Motor Vehicle Liability with minimum inclusive limits of \$500,000. This insurance coverage shall not be reduced or cancelled during the period work is being done for the Company unless ten days prior written notice is furnished to the Company.

12. THAT the Contractor shall be responsible for and will pay promptly all dues and assessments payable under the Workers' Compensation Act, in accordance with the laws of the Province of British Columbia, in respect of its employees.
13. THAT the Contractor agrees to indemnify and save harmless the Company and its personnel against any and all loss and expense including attorney's fees and other legal expenses, by reason of liability imposed or claimed to be imposed by law upon the Company for damages because of bodily injuries, including death, or on account of damage to property, sustained by any person or persons arising out of or in consequence of the performance of the work called for by this contract whether or not such bodily injuries, death, or damage to property arise or are claimed to arise in whole or in part out of negligence or any other ground of legal liability, including violation or any duty imposed by a statute or ordinance or regulation on the part of the Contractor, their employees, or agents of them.
14. THAT during the course of the work, the Contractor shall, at all times, keep the Company's premises free from accumulation of waste material or rubbish and upon completion of the work shall remove all tools, scaffoldings, surplus materials and rubbish and leave the premises in a clean condition and as near as possible to its original condition. The Contractor shall observe and comply with all applicable laws of the Province of British Columbia.
15. THAT this agreement may be altered only by written consent of both parties hereto.
16. THAT time is of the essence in this agreement.
17. THAT the Contractor shall construct road sufficient for Contractor's access to drill site.

B. THE COMPANY COVENANT AND AGREES:

1. THAT the payment for the herein described work shall be \$ 14.00 (Fourteen Dollars) per foot for core drilling and \$ 14.00 (Fourteen Dollars) per foot for overburden.
2. THAT the Company requests the Contractor to complete a minimum of One thousand (1,000) feet of drilling and other services as set forth herein.
3. THAT the Company agrees to make payments at the rates hereinbefore 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, invoices shall be rendered promptly to the Company, and such invoices shall be due and payable within 15 days of receipt of an invoice by the Company.

IN WITNESS WHEREOF these presents have been executed by the parties hereto, this 3rd day of October A. D. 1977.

AQUITAINE COMPANY OF  
CANADA

J. T. THOMAS DIAMOND DRILLING LTD.

LAW	<i>ms</i>
EXPL	<i>ms</i>

*W. J. Thomas*  
CORPORATE SECRETARY  
*W. J. Thomas*  
CORPORATE SECRETARY

APPENDIX VI

Statement of Expenditures

APPENDIX VII

Supporting Invoices

**AQUITAINE**  
COMPANY OF CANADA LTD

**MONTHLY TIME SHEET**

FORM NO. 1148 7

EMPLOYEE NAME **POLLOCK, DONALD W.**

MONTH OF **MAY 1977**

EMPLOYEE NO. **70461**  
DEPARTMENT NO. **0746**

DEPARTMENT NAME **MINING**

POSITION TITLE **STAFF GEOLOGIST**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
REGULAR DUTIES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VACATION																															
STATUTORY HOLIDAY																															
SICK LEAVE																															
OTHER EXCUSED ABSENCES																															

TOTAL DAYS PAID	22	01
		02
	1	03
		04
		05

TOTAL DAYS PAID **22**

LEAVE OF ABSENCE																															
SATURDAY & SUNDAY	X						X	X					X	X														X	X		

		11
9		12

TOTAL CALENDAR DAYS **31**

\*\*\*\*\*  
\* AS PER MAR. 31/77 YOU HAD LEFT \*  
\* 14 UNUSED VACATION DAYS. \*  
\*\*\*\*\*

**OVERTIME - IN HOURS**

TOTAL OVERTIME HOURS WORKED	
REGULAR TIME RATE	
TIME AND THREE QUARTER RATE	

	21
	22
	23

**COMPLETE THIS SECTION ONLY IF YOUR TIME IS CHARGEABLE TO A SPECIFIC PROJECT**

DESCRIPTION OF PROJECT	ACCOUNT NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
APPASALS	10 51-7																X	X	X	X	X											
NEREPIS	10 51-7																															X

TOTAL DAYS	5	150
	1	150

AFE 51-7 (HAGAS) 5 days @ \$150 = \$750 POSTED  
51-7 (NEREPIS) 1 day @ \$150 = \$150 POSTED

PREPARED BY Joyce Davis APPROVED BY [Signature]

THIS TIME SHEET SHOULD BE RETURNED TO THE PAYROLL DEPARTMENT BEFORE THE 5TH OF THE FOLLOWING MONTH

DATA BUSINESS FORMS



EMPLOYEE NAME **SALAT, HUGHES**

MONTH OF **MAY 1977**

EMP. OVERNO  
**77026**  
 DEPARTMENT NO.  
**0746**

DEPARTMENT NAME **MINING**

POSITION TITLE **PROJECT GEOLOGIST**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
REGULAR DUTIES	X	X	X	X	X				X	X	X	X			X	X	X	X	X				X	X	X	X			X		
VACATION																															
STATUTORY HOLIDAY																							S								
SICK LEAVE																															
OTHER EXCUSED ABSENCES																															

REGULAR DUTIES	31	0 1
VACATION		0 2
STATUTORY HOLIDAY	1	0 3
SICK LEAVE		0 4
OTHER EXCUSED ABSENCES		0 5

TOTAL DAYS PAID **31**

LEAVE OF ABSENCE																															
SATURDAY & SUNDAY	(X)					(X X)							(X X)															(X X)			

LEAVE OF ABSENCE		1 1
SATURDAY & SUNDAY	9	2 2

TOTAL CALENDAR DAYS **31**

\*\*\*\*\*  
 \* AS PER MAR. 31/77 YOU HAD LEFT \*  
 \* 36 UNUSED VACATION DAYS. \*  
 \*\*\*\*\*

**OVERTIME - IN HOURS**

TOTAL OVERTIME HOURS WORKED																															
REGULAR TIME RATE																															
TIME AND THREE QUARTER RATE																															

TOTAL OVERTIME HOURS WORKED		
REGULAR TIME RATE		2 1
TIME AND THREE QUARTER RATE		2 2
		2 3

**COMPLETE THIS SECTION ONLY IF YOUR TIME IS CHARGED TO A SPECIFIC PROJECT**

DESCRIPTION OF PROJECT	ACC	ACT. NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
<i>Asst. Geol. 52-7</i>	52-7	52-7																X	X	X	X	X											
<i>UR 52-7</i>	52-7	52-7																											X	X	X	X	

Asst. Geol. 52-7	5	150
UR 52-7	5	150

PREPARED BY *James Davis* APPROVED BY *C. J. ...*  
 (Note: *52-7 (11/77) 52-7 @ 4150 = 3750 - SHOULD BE 4150 @ 4150 = 17150*)  
*52-7 = 7500*  
*430-7 = 67500*

EMPLOYEE NAME **SALAT, HUGUES**

MONTH OF **OCT. 1977**

EMPLOYEE NO.  
**77026**  
DEPARTMENT NO.  
**0746**

DEPARTMENT NAME **MINING**

POSITION TITLE **PROJECT GEOLOGIST**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
REGULAR DUTIES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VACATION																															
STATUTORY HOLIDAY										S																					
SICK LEAVE																							X								
OTHER EXCUSED ABSENCES																															

REGULAR DUTIES	19	0.1
VACATION		0.2
STATUTORY HOLIDAY	1	0.3
SICK LEAVE	1	0.4
OTHER EXCUSED ABSENCES		0.5

TOTAL DAYS PAID **21**

LEAVE OF ABSENCE																															
SATURDAY & SUNDAY	X	X						(X)	(X)					(X)	(X)													(X)	(X)		

LEAVE OF ABSENCE		1.1
SATURDAY & SUNDAY	10	1.2

\*\*\*\*\*  
\* AS PER AUG. 31/77 YOU HAD LEFT \*  
\* 24 UNUSED VACATION DAYS. \*  
\*\*\*\*\*

TOTAL CALENDAR DAYS **31**

**OVERTIME - IN HOURS**

TOTAL OVERTIME HOURS WORKED	
REGULAR TIME RATE	
TIME AND THREE QUARTER RATE	

TOTAL OVERTIME HOURS WORKED	
REGULAR TIME RATE	2.1
TIME AND THREE QUARTER RATE	2.2
	2.3

**COMPLETE THIS SECTION ONLY IF YOUR TIME IS CHARGEABLE TO A SPECIFIC PROJECT**

DESCRIPTION OF PROJECT	ACC	A.F.E. NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ROSS R	10	124-7	X	X						X	X																						
HAGERS	10	118-7										X	X	X	X	X	X																
SEAFULL	70	338-7																										X					

ROSS R	4	150
HAGERS	7	150
SEAFULL	1	150

A.F.E. 124-7 4 days @ 150 = \$600 POSTED A.F.E. 338-7 1 day @ 150 = \$150  
A.F.E. 118-7 7 days @ 150 = \$1050

PREPARED BY J. Davis APPROVED BY C. B. [Signature]

THIS TIME SHEET SHOULD BE RETURNED TO THE PAYROLL DEPARTMENT BEFORE THE 5TH OF THE FOLLOWING MONTH

**STATEMENT**

**Idylwild Inn Ltd.**

JUN 13 1977

P.O. Box 93 - Houston, B.C.

AQUITAINE OF CANADA LTD. Phone 845-2296

In Account with:

*D. W. Pollock  
Aquitaine Co of Canada  
540 5<sup>th</sup> Ave.  
Calgary Alberta*

Date	Days	Rates	Total	Phone	TOTAL
Balance Owing ( Previous Month )					
May 16	4	16 <sup>00</sup>	64 <sup>00</sup>	396	6796
	<i>Mr Pollock</i>				17.40
May 16	14	16 <sup>00</sup>	224 <sup>00</sup>	140	6540
	<i>Mr Ruzjan</i>				
May 16	14	16 <sup>00</sup>	224 <sup>00</sup>		64 <sup>00</sup>
	<i>13.3.77</i>	<i>3</i>	<i>48</i>		
Tax					7.60
Other <i>Meal</i>					19.40
<b>TOTAL</b>					<b>126.36</b>

Highway 16 W.

Houston, B.C.

# Idylwild

RESTAURANT

## Guest Check



Ham & Eggs	2	75
P. Toast & Ham	2	90
Toast		45
B. K.		65
L. Average		45
S. Average		30
Tip		35
Tax		35
Sub TOTAL		35
PLEASE PAY CASHIER		
Tax	1	30

No.	Waiter	Guest
		960

Highway 16 W.

Horseshoe, B.C.

# Idylwild

RESTAURANT

## Guest Check



Bowl & Broc.	3	40
Soup		35
Coq		35
		<del>4.50</del>
	3	45
	Sub TOTAL	
	TAX	
PLEASE PAY CASHIER		
No.	Waiter	Guest
	46	1

Highway 16 W.

Redston, B.C.

# Idylwild RESTAURANT

## Guest Check



Deep Fried <del>Waffles</del>	5.50	
Tip	30	
	<del>7.50</del>	
	5.85	
Sub TOTAL		
TAX		
PLEASE PAY CASHIER		
No.	Waiter	Guest
	A	

STATEMENT

**Idylwild Inn Ltd.**

P.O. Box 93 - Houston, B.C.  
Phone 345-2298

In Account with:

*Mountain Co. of Canada Ltd.*  
*540-5TH Ave. S.W.*  
*Calgary Alberta. T2P 0M1*  
*(Re: H. Salat*  
*Room # 19)*

Date	Days	Rates	Total	Phone	TOT
Balance Owing ( Previous Month )					
<i>Oct 10 - Oct 14</i> <i>(inclusive)</i>	<i>7</i>	<i>18.00</i>			<i>126</i>
<i>Phone</i>					<i>50</i>
MOUNTAIN COMPANY OF CANADA LTD. OCT 21 1977 SUPPORTING DATA VERIFIED PREPARED VERIFIED COPIED APPROVED FOR PAYMENT <i>C. B. S. J.</i>					
Tax					<i>6</i>
Other					
<b>TOTAL</b>					<i>182</i>



Call

Oct 10/Prince George/2.50  
Oct 10/Calgary — 7.10  
Oct 11/Smithers — 1.60  
Oct 11/Calgary — 6.45  
Oct 13/Calgary — 3.05  
Oct 13/Calgary — 14.75  
Oct 14/Calgary — 3.05  
Oct 15/Calgary — 6.50  
Oct 15/Smithers — 1.60  
Oct 15/Pr. Geo/ — 2.50  
Oct 16/Pr. Geo/ — 2.95  
Oct 16/Calg. — 3.65  

---

55.70



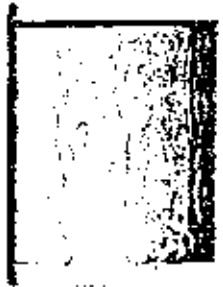
# GOLD CAP MOTOR INN

PHONE 563-0668 — TELEX 047-8015  
1458 7th AVE. PRINCE GEORGE, B.C. V2L 3P2

ROOM NO. 20925  
241  
NAME Billing  
540 5th Ave S.W.  
Calgary Alberta

NAME <u>H. SALAT</u>		MAKE OF CAR <u>Malibu</u>							
ADDRESS <u>4707 - Charles Ave SW</u>		LICENCE NO. <u>VVE 509</u>							
CITY <u>Calgary</u> PROV./STATE <u>Alta</u>		RECEPTIONIST INITIAL <u>JS</u>							
REPRESENTING <u>Argentine Co of Canada Ltd</u>									
DATE IN <u>10/17/77</u> TIME		DATE OUT <u>1 week</u> TIME							
NO. GUESTS <u>1</u>	SUN.	MON. <u>18.05</u> <u>96.</u>	TUES.	WED.	THUR.	FRI.	SAT.	TAX	TOTAL <u>11.00</u> <u>.90</u>
PHONE IN	PHONE OUT								
L.D. PHONE		<u>5.75</u>							<u>3.75</u>
MISC.									
MEALS									
TOTAL		<u>22.65</u>							<u>22.65</u>

SALAT



FUNDS CAV 11

U.S.A.

DATE JUNE 15 1977

CO. CODE	ACCOUNT	SUBSIDIARY LEDGER	SUB-FEATURE	POSTED	DEBIT	CREDIT
1 5	746		521 70461		23 50	
1 5	746		515 70461		2 00	
1 5	10		515 51-7 (APPRAISALS)	POSTED 5/12/77	(456 25)	
1 5	10		515 51-7 (BOWMAN)	POSTED	178 88	
1 5	10		515 51-7 (NEGRIS)	POSTED	178 88	
1 5	10		515 51-7 (TIMMINS)	POSTED	178 89	
1 5	2230	70461				500 00
1 5	2270	70461	59266			256 80
1 5	2270	70461	59334			505 00
1 5	2230	70461			237 40	

EXPLANATION TO RECORD D. POLLOCK EXPENSES FOR MAY 1977

PREPARED BY [Signature]  
CHECKED BY \_\_\_\_\_

CODING APPROVAL \_\_\_\_\_

VOUCHER CODE	
MONTH	NUMBER
<b>COPY</b>	

5-90058

DEPT. MINING LOC. CALGARY JOB TITLE ST. GEOLOGIST

(TYPE OR PRINT)

PERIOD COVERED MAY, 1977

FORWARD CHECK TO \_\_\_\_\_

DATE	TRIP		NON-REIMB		REIMBURSABLE		EXPLANATION	CHARGE TO	
	FROM	TO	-1- TRANSPORT AMOUNT	-2- HOTEL AMOUNT	-3- MEALS NO. AMOUNT	-4- AUTO EXPENSE AMOUNT			-5- MISCELL. EXPENSE AMOUNT
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11					1	7 00	CIM lunch	Overhead	
12							16 50 Prof. Club ①		
13									
14									
15		59266 ②							
16	Calgary	Simlitha-Calgary	256 80		1	2 80	17 70 Taxi, tips, fly, phone, telephone.		
17					3	35 55	22 50 Gas ② tips, knife.	51-7	
18					4	35 70	6 55 Tips etc.	appraisal	
19					4	25 95	27 60 Gas ② tips.		
20					2	8 65	16 95 Taxi, tips.		
21									
22									
23									
24							8 00 Taxi	Overhead	
25									
26									
27									
28									
29		59334							
30	Calgary	Frederickton-Toronto						51-7	
31	Timmins	Toronto-Calgary	505 00		3	14 40	17 25 Taxi, tips.	1/3 Bowman 1/3 McGeip 1/3 Timmins	
TOTALS			761 80			130 05		132 55	

TOTAL EXPENSES 1024 40

LESS: TRANSPORTATION PAID BY COMPANY 761 80

TOTAL REIMBURSABLE EXPENSES 262 60

LESS: TEMPORARY CASH ADVANCE(S) 500 00

NET AMOUNT 237 40  
(ATTACH PAYMENT)

DUE COMPANY  
DUE EMPLOYEE

Retained for further field work

*Ques*

EMPLOYEE'S SIGNATURE  
*Ques*

DEPARTMENT APPROVAL  
*Ques*

IF NECESSARY, PROVIDE ADDITIONAL "CHARGE TO" JUSTIFICATION

# QUICK PAY CHEQUE REQUISITION

AQUITAINE  
COMPANY OF CANADA LTD

RETURN CHEQUE TO JOYCE DAVIS 238 DATE JULY 14 1977

CHEQUE REQUIRED FRIDAY JULY 15

PAYABLE TO H. SALAT AMOUNT 

DOLLARS	CENTS
140	07

FUNDS 

CAN. <input checked="" type="checkbox"/>	USA <input type="checkbox"/>
--	------------------------------

EXPENSES FOR MONTH OF MAY June JULY 1977 CHEQUE NO. 002203

## ACCOUNTING DISTRIBUTION SUMMARY

LINE CODE	CO. CODE	ACCOUNT	SUBSIDIARY LEDGER	SUB. FEATURE	A. P. E.	COST CENTRE	PROV.	CAPITAL BUDGET	PROJECT	VOLUME	DEBIT	CREDIT
5	10			515	51-7	(APPROX)					412.00	
5	10			515	51-7	(W. G. F. LK)					655.17	
5	10			515	52-7	ALASKA					58.29	
7	11			515	430-7						524.62	
5	2777		7								524.62	
7	2777		5									524.62
5	2270	77026			59267							256.80
5	2270	77026			36477							454.01
5	2270	77026			50879							99.20
5	2230	77026										700.00

LINE CODE	CO. CODE	ACCOUNT	SUBSIDIARY LEDGER	IDENTIFICATION	MO.	DAY	YEAR	NAME CODE	INVOICE NO.	DEBIT	CREDIT
5	7220	7700E7				07	117	SAT	6153		140.07
	72										
	72										

PREPARED BY [Signature]  
CHECKED BY \_\_\_\_\_

CODING APPROVAL [Signature]  
TREASURY APPROVAL \_\_\_\_\_

VOUCHER CODE	
MONTH	NUMBER
JUL -- 1977	5 10143

EXPENSE STATEMENT

AQUITAINE

(PLEASE ATTACH RECEIPTS TO THIS SIDE)

NAME H. Sajat (TYPE OR PRINT) DEPT. Admin LOC. \_\_\_\_\_ JOB TITLE Geologist

FORWARD CHECK TO \_\_\_\_\_ PERIOD COVERED May 1977

DATE	TRIP		NON-REIMB.		REIMBURSABLE			EXPLANATION	CHARGE TO
	FROM	TO	1- TRANSPORT AMOUNT	2- HOTEL AMOUNT	3- MEALS AMOUNT	4- AUTO EXPENSE AMOUNT	5- MISCELL EXPENSE AMOUNT		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16	Calgary	Edmonton	128.80		1	4.00		13.80	gas 8.50 Taxi cab - show & typing
17					1	6.30			
18					2	2.60			
19					1	2.50			
20	Edmonton	Calgary			1	4.50			
21									
22									
23									
24									
25									
26									REF 430-7-902
27	Calgary	Anchorage, AK	284.00		1	17.00		10.00	Taxi Cab - Exchange rate 15.278
28	Anchorage, AK	Washakie			2	9.50		13.50	Hardware - Fuel - White Gas
29									(W-Alaska)
30					1	4.50			
31									

TOTALS 710.80 52.60 76.30

TOTAL EXPENSES 846.96  
 LESS: TRANSPORTATION PAID BY COMPANY 710.80  
 TOTAL REIMBURSABLE EXPENSES 136.15  
 LESS: TEMPORARY CASH ADVANCE(S) (2.00)

EMPLOYEE'S SIGNATURE  
H. Sajat

DEPARTMENT APPROVAL  
A. Boerman Sr. (Bozman)

NET AMOUNT DUE COMPANY [ ] [ ]  
 (ATTACH PAYMENT)  
 DUE EMPLOYEE [ ] [ ]

IF NECESSARY, PROVIDE ADDITIONAL "CHARGE TO" JUSTIFICATION \_\_\_\_\_

QUICK PAY CHEQUE REQUISITION

AQUITAINE  
COMPANY OF CANADA LT

CHEQUE TO JOYCE DAVIS 238 DATE OCT 21 1977

DATE CHEQUE REQUIRED ASAP

PAYABLE TO H. SALAT AMOUNT

DOLLARS	CENTS
264	38

FUNDS CAN.  USA

EXPENSES FOR MONTH OF SEPT, OCT 1977

CHEQUE NO.

ACCOUNTING DISTRIBUTION SUMMARY

DATE	DEPT	ORG	ACCTG	SUBS	SUM	REF	COST	PROJ	BUDGET	PROJECT	VOLUME	DEBIT	CREDIT
			5 10		515	12A-7	POSTED					7535	
			5 10		515	118-7	POSTED					67385	
			5 746		521	77026						1250	
			5 2270	77026		40046							4078
			5 2270	77026		41401							2400
			5 2230	77026									5000

DATE	DEPT	ORG	ACCTG	SUBS	SUM	REF	COST	PROJ	BUDGET	PROJECT	VOLUME	DEBIT	CREDIT
			5 72										
			72										
			72										

10-21014

PREPARED BY \_\_\_\_\_ CODING APPROVAL \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ TREASURY APPROVAL \_\_\_\_\_

VOUCHER CODE  
 MONTH \_\_\_\_\_ NUMBER \_\_\_\_\_  
**COPY**

# EXPENSE STATEMENT

**AQUITAINE**  
COMPANY OF CANADA LTD

(PLEASE ATTACH RECEIPTS TO THIS SIDE)

EMPLOYEE: H. SALAT (TYPE OR PRINT) DEPT: Marketing LOC: \_\_\_\_\_ JOB TITLE: Analyst

FORWARD CHECK TO: \_\_\_\_\_ PERIOD COVERED: Oct 1 - 15, 1977

DATE	TRIP		NON-REIMB.		REIMBURSABLE			EXPLANATION	CHARGE TO	
	FROM	TO	1-TRANSPORT	2-HOTEL	3-NO. MEALS	4-AUTO EXPENSE	5-MISCELL. EXPENSE			
1	Edmonton	Edmonton	407.80	21.00	3	19.00		Taxi cab (2)	} AFE 124.7	
2	Edmonton	Calgary			1	4.00		Taxi cab, Municipal Sign Tax		
3										
4		ADD 46						16.50	CGMA National Membership	
5										
6										
7								40.00	Boat repair (see int. report)	
8	Calgary	Prince George	240.00		2	10.00		9.00	Taxi cab	} AFE 124.7
9					3	30.00		5.00	Gas	
10		ADD 701			3	30.00		21.00	Gas, Tire repair	
11					3	31.00		52.00	Gas, Hotel, meals, phone charges	
12					3	27.00				} AFE 118.7
13					3	26.00		56.21	Gas, Hardware, Flipping, etc.	
14					3	26.00				
15					3	23.00		24.00	Gas, telephone (mining)	
16					3	23.00		30.00		
17					3	34.00		32.00	Gas, Hotel, meals	
18					30	12.00		4.00	Taxi cab	
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

TOTALS 1247.80 24.00 311.00 243.83

TOTAL EXPENSES 1274.33  
 LESS: TRANSPORTATION PAID BY COMPANY 647.80  
 TOTAL REIMBURSABLE EXPENSES 626.53  
 LESS: TEMPORARY CASH ADVANCE(S) 500.00

EMPLOYEE'S SIGNATURE  
H. Salat

DEPARTMENT APPROVAL  
[Signature]

NET AMOUNT 264.33  
 (ATTACH PAYMENT)

IF NECESSARY, PROVIDE ADDITIONAL "CHARGE TO" JUSTIFICATION

New Mailing Address

CANUCK TRUCK RENTAL LTD.

P.O. BOX 1299

PRINCE GEORGE, B.C.

V2L 4V3

TRUCK RENTAL LTD.

1000 - 1000 GEORGE ST.

CRANUCK TRUCK RENTALS  
BOX 3189  
PRINCE GEORGE  
Surrey

1. PICKUP LOCATION 540 5th Ave S. West CRIGARUA ALTAQUITA		2. DATES & TIMES 1531 22.5.77 909 16.5.77	
3. TYPE OF PAYMENT CASH CREDIT CARD CHECK BILL		4. RENTAL PERIOD JUN 10 1977 622 20 124.40	
5. UNIT NO. 518.7		6. MAKE & TYPE Ford F250 4x4	
7. MAKE & TYPE Ford F250 4x4		8. MAKE & TYPE 575716 B.C.	
9. MAKE & TYPE Misc		10. MAKE & TYPE 7000	
11. MAKE & TYPE 5 <sup>th</sup> day		12. MAKE & TYPE 20 <sup>th</sup> weeks	
13. MAKE & TYPE Canopy		14. MAKE & TYPE 20 <sup>th</sup> weeks	
15. MAKE & TYPE INTER CITY CHARGE		16. MAKE & TYPE 300	
17. MAKE & TYPE CHECK IN DAMAGES		18. MAKE & TYPE 7 <sup>th</sup> TOTAL	
19. MAKE & TYPE See Cond Report		20. MAKE & TYPE 9.40	
21. MAKE & TYPE 275775		22. MAKE & TYPE ALTA	
23. MAKE & TYPE 286.96		24. MAKE & TYPE 23689	

PHILE ON THE ROAD

THIS IS NOT A RENTAL CONTRACT. IT IS A RECEIPT FOR THE TRUCK RENTAL AND EQUIPMENT. THE RENTAL CONTRACT IS SEPARATE AND AVAILABLE AT THE RENTAL STATION.

GAS NOT INCLUDED IN RATES

INVOICE COPY

THIS IS NOT A RENTAL CONTRACT. IT IS A RECEIPT FOR THE TRUCK RENTAL AND EQUIPMENT. THE RENTAL CONTRACT IS SEPARATE AND AVAILABLE AT THE RENTAL STATION.

8 CANUCK TRUCK RENTAL LTD.



# MAP PRODUCTION DIVISION

SURVEYS AND MAPPING BRANCH  
B.C. LANDS SERVICE  
VICTORIA, BRITISH COLUMBIA V8V 1X5

DATE Aug. 30, 1977	YOUR ORDER NO.	OUR REQUISITION NO.
LETTER INWARDS NO.	MAIL	PHONE
	X	X
		INVOICE NUMBER Y-22882

TO . AQUITAINE CO. OF CANADA  
. 540 - 5th AVE. SOUTH WEST  
. CALGARY, ALTA. T2P 0M4

ATTEN: MINING DEPT.  
118-7-37  
*W. B. ...*

MATERIAL SUPPLIED	AMOUNT
PLEASE SUPPLY FOLLOWING	
AIR PHOTO INDICES;	
1 COPY OF EACH	
93L/E 20 chain 1+2 of 2	
93L/E 1170,000 1 of 1	
93L/W 20 chain 1+2 of 2	
93L/W 1170,000 1 of 1	
93L 40 chain 1+2	
5 air photo indices	
<b>PLEASE REMIT</b>	
LESS CASH RECEIVED WITH ORDER	
SIGNED BY <i>[Signature]</i>	
BALANCE DUE	3 00
BALANCE OVERPAID	

MAP PRODUCTION DIVISION  
AUG 31 1977  
SURVEYS & MAPPING BRANCH

VICTORIA, B.C. AUG 31 1977



# MAP PRODUCTION DIVISION

SURVEYS AND MAPPING BRANCH  
B.C. LANDS SERVICE  
VICTORIA, BRITISH COLUMBIA V8V 1X5

DATE 12 SEPT 77	YOUR ORDER NO.	OUR REQUISITION NO.
LETTER INWARDS NO	MAIL	PHONE
		X
		INVOICE NUMBER <b>Y 23105</b>

To . MR. A BOERIER  
ACQUITAINE OF CANADA LTD  
540 5TH AVENUE S W  
CALGARY  
ALBERTA

MATERIAL SUPPLIED	AMOUNT
<b>I T E K PRINTS</b>	
<b>BC 5612 : 64-71</b>	
<b>93-95</b>	
<i>6-9 1.25</i>	7.50
<i>118-7</i>	
<b>CBSA</b>	
S.S. TAX	
TOTAL	7.50
LESS CASH RECEIVED WITH ORDER	
SIGNED BY <i>G/H</i>	
PLEASE RETURN	BALANCE DUE 7.50
quoting this invoice # and date.	BALANCE OVERPAID

47 119 501

**MAP PRODUCTION DIVISION**  
 SURVEYS AND MAPPING BRANCH  
 B.C. LANDS SERVICE  
 VICTORIA, BRITISH COLUMBIA V8V 1X5

DATE <b>SEPT. 2</b>	YOUR ORDER NO.	OUR REQUISITION NO.
LETTER INWARDS NO.	MAIL	PHONE <b>X</b>
		INVOICE NUMBER <b>Y 23059</b>

To . **AQUITAINE CO. OF CANADA**  
 . **540 5TH AVE. S.W.**  
 . **CALGARY, ALTA. ATTN: MR. POLLOCK**

MATERIAL SUPPLIED	AMOUNT
<i>Ac 7361 164-170, 254-261</i>	<b>AQUITAINE COMPANY OF CANADA LTD.</b>
<i>Ac 7362 58-63, 130-136</i>	<b>SEPT 1977</b>
	SURVEYING DATA
	VERIFIED
	DATE
	CODE: <b>U8-7</b>
	APPROVED
	<i>CTP</i>
<i>20 Air Photos @ 125</i>	<b>35 00</b>
<i>DELIVERY APPROX. 1 WEEK</i>	
	S.S. TAX
	TOTAL <b>35 00</b>
	LESS CASH RECEIVED WITH ORDER
SIGNED BY <i>[Signature]</i>	
	BALANCE DUE <b>35 00</b>
	BALANCE OVERPAID

\_\_\_\_\_



TOPOGRAPHICAL MAPS  
DRAFTING  
TEMPLATES



WELL MAPS  
BASE MAPS

# CARTER MAPPING LIMITED

2nd FLOOR 510 - 5TH ST. S. W. 264-1230  
CALGARY, ALTA. T2P 1V6

ORDER NO. \_\_\_\_\_ DATE Sept 23 1977  
*0169*

ACQUISITION COMPANY CAN LTD  
2000 - 500 - 5 AVE SW  
CALGARY ALTA  
T2P 0H4

ATTENTION *Joyce Davidson* - 625

QUANTITY	DESCRIPTION	PRICE	AMOUNT
	<i>93 L 2, 3</i>	<i>300</i>	<i>300</i>
	<i>for 115-7</i>	<i>150</i>	<i>150</i>
RECEIVED ABOVE IN GOOD ORDER			TOTAL
			<i>450</i>
CASH	CDD	CHARGE	ON ACCT
<i>(91)</i>		<input checked="" type="checkbox"/>	

31 EIGHTH AVENUE S.W.  
CALGARY, ALBERTA  
T2P 0W9

CUSTOMER'S COPY

REPRODUCTION  
INVOICE

TELEPHONE 266-6051  
AREA CODE 403



CALGARY  
EDMONTON

CR 74133

REPRODUCTIONS & PRINTING LTD.

ORDER BY: <b>H-3</b>	DATE RECEIVED: <b>9:25</b>	QUANTITY: <b>15/1/2</b>	DATE: <b>14/1/77</b>	PHONE: <b>2:00</b>	MAIL CALL: <input type="checkbox"/>	NOTE: <input type="checkbox"/>	WHAT DELIVERY: <input type="checkbox"/>	CUSTOMER P.O. NO.: <b>T7-41</b>	HOW/WHEN: <b>AFF</b>
----------------------	----------------------------	-------------------------	----------------------	--------------------	-------------------------------------	--------------------------------	---	---------------------------------	----------------------

CHARGE  C.O.D.  CASH  CUSTOMER NUMBER: **1403200 RJ**

ADDRESSEE: **AQUITAINE CO CANADA LTD**  
**540 - 5 AVE SW**  
**CALGARY ALTA T2P 0N2**

DATE: **13 SEP 77**

PHONE: **750 20-3357**  
**502-1187**

Handwritten: *H. Boenex*, *16th fl*, *Mining*

SHIPPING INSTRUCTIONS:  MAIL,  AIR MAIL,  INS,  COLLECT,  MAIL EXPRESS,  AIR EXPRESS,  PREPAID

PRINTS TO:	NO. OF SHEETS	NO. PRINTS OF EACH	DESCRIPTION	SIZE	NO. PL.	TOTAL SHEETS	UNIT PRICE	AMOUNT
			BLACK BLUE PLASTIC OVERFOLD FRAME FOLD					
			SEPIA SC ALL ENSEMBLE REV FACE UP					
			DISC NYL. DIS NYL. DIS NYL.	SEPIA BLACK	FACE UP REV			
			3M 1024 1000 2000	8040	YELLOW			
			MM	FULL COLOR	SINGLE COLOR			
			MICRO-FILM	10MM 35MM	REV POL			
			ELECTRO-COPY		BOND YELLOW CARD			
			TYPE SETTING	REGULAR	FFPAG			
			ART	FULL B PASTE UP	DESIGN			
			FILM NEG	35MM	8110			
			FILM POS	35MM	8110			
			PROL PAPER	THIN	EDDA 600	8110		
			PROL PAPER	S.C. GLOSSY	CLEARPRINT	8110		
			AUTO POSITIVE	PAPER FILM (COMB)	REV MATTE FACE UP			
			WASH DRY FILM	PROL	COBAC	REV FACE UP		
			OFFSET PLATES	300 300	8010	METAL TYPE C		
			OFFSET	8010				
			DUPLICATE COPY	STEEL	80 x 11 80 x 14 11 x 17			
			BANDERY	3100	8000	YELLOW TRANSP		
			OFFSET					
			FARMOUT SIL SCREEN TITLE BLOCK					

**AQUITAINE**  
COMPANY OF CANADA LTD.

SUPPORTING DATA  
VERIFIED

PRESERVATES  
VERIFIED

COPIED

APPROVED FOR PAYMENT

*CTC*

*enlarge*

*71 Copy 517 3.495*

*71 18/2 49 96.75*

INVOICE NUMBER: **CR 74133**

DATE: **14/1/77**

QUANTITY CHECK: **345**

LABOUR CHARGES

FEDERAL SALES TAX NO.

TERMS: NET 30 DAYS

SUB TOTAL: **96.75**

EST: **11.61**

SUM TOTAL: **108.36**

PAY THIS TOTAL: **108.36**

Invoice must be returned with all claims and claims must be made within 24 hours of delivery date.

SERVICE CHARGE AT THE RATE OF 1% PER MONTH 1% PER YEAR WILL BE CHARGED ON ANY BALANCE FROM THE PREVIOUS MONTH LESS CURRENT PAYMENTS AND CREDITS.

631 - EIGHTH AVENUE S.W.  
CALGARY, ALBERTA  
T2P 0W9

CUSTOMER'S COPY

TELEPHONE 266-6051  
AREA CODE 403



REPRODUCTIONS & PRINTING LTD.

CALGARY  
EDMONTON

REPRODUCTION  
INVOICE

CR 75104

RECEIVED BY <b>A-10</b>	TIME RECEIVED <b>12:14</b>	QUANTITY <b>100</b>	DATE <b>10/21/97</b>	NO. OF SHEETS <b>100</b>	NO. OF COPIES <b>100</b>	NO. OF SETS <b>100</b>	NO. OF DELIVERIES <b>100</b>	CUSTOMER P.O. NO. <b>17-41</b>
----------------------------	-------------------------------	------------------------	-------------------------	-----------------------------	-----------------------------	---------------------------	---------------------------------	-----------------------------------

CHANGE  
 CDR  
 CASH  
**AQUITAINE CO CANADA LTD**  
**540 - 5 AVE SW**  
**CALGARY ALTA T2P 0M2**

*Mining*  
*Keith Kempel*  
**19-9 77**  
**18/4/97**

CUSTOMER NUMBER: **1403200**

PRINTS TO: **2679111**

PLEASE QUOTE CUSTOMER NUMBER ON PAYMENT

SHIPPING RESTRICTIONS:  
 MAIL  AIR MAIL  INS  COLLECT  
 RAIL EXPRESS  AIR EXPRESS

ORIGINALS TO:	NO. OF COPIES	NO. OF SHEETS PER COPY	DESCRIPTION	SIZE	NO. PL.	TOTAL NO. PL.	UNIT PRICE	AMOUNT	SPECIALLY INSTRUCTED						
									BLACK & BLUE	PLASTIC PHOTO	FRAME GOLD	READ ATTENDED	REDUCE TO	ENLARGE TO	SAME SIZE
			ART	11/0			7.95								
			PROJ PAPER	18/0			3.05								
			QUICK COPY												

**AQUITAINE**  
 COMPANY OF CANADA LTD  
 APPROVED FOR PAYMENT  
**CR 75104**

**1/0 7.95**  
**18/0 30.5**  
**62.85**

DATE: **Oct 20** TIME: **3:30** DELIVERED BY: \_\_\_\_\_  
 INVOICE NUMBER: **CR 75104**  
 QUALITY CHECK BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
 Invoice must be returned with all claims and claims must be made within 24 hours of delivery date.  
 TERMS: NET 30 DATE \_\_\_\_\_  
 SERVICE CHARGE AT THE RATE OF 1% PER MONTH ON ANY BALANCE FROM THE PREVIOUS MONTH ENDING AT THE END OF THE MONTH AND CREDIT.  
 SUB TOTAL: **62.85**  
 F.S.T.: **7.54**  
 SUB TOTAL: **70.39**  
 DELIVERY CHARGES: \_\_\_\_\_  
 PAY THIS TOTAL: **70.39**

CUSTOMER'S COPY

CALGARY PHONE  
(403) 266-6051

**RILEY'S** REPRODUCTIONS & PRINTING LTD.  
631 - 8TH AVENUE SOUTH WEST, CALGARY, ALBERTA T2P 0W9  
10100 - 108 STREET, EDMONTON, ALBERTA T5J 1L3

CALGARY  
EDMONTON

INVOICE NUMBER **09621**

ORDERED BY <b>H-3</b>	TIME RECEIVED <b>3:45</b>	QUANTITY <b>21/200</b>	QUANTITY <b>3:00</b>	DATE <b>11-17-77</b>	PHONE CALL <input type="checkbox"/>	MAIL <input type="checkbox"/>	MAIL DELIVERY <input type="checkbox"/>	CUSTOMER PO NO <b>77-41</b>	JOB NO.	REQ. NO.
--------------------------	------------------------------	---------------------------	-------------------------	-------------------------	--	----------------------------------	---	--------------------------------	---------	----------

**AQUITAINE CO CANADA LTD**  
540 - 5 AVE SW  
CALGARY ALTA T2P 0X2  
1403200 R3

*REITH MEMBER*  
*18TH FLOOR*

FEDERAL TAX NO  
PROV TAX NO

SHIPPING INSTRUCTIONS

MAIL  AIR MAIL  GUN  COLLECT  
 MAIL EXPRESS  AIR EXPRESS  PREPAID

PRINTS TO:	NO. OF SHEETS	NO. PRINTS OF EACH	SIZE	SB. FT.	TOTAL SQ. FT.	DESCRIPTION	UNIT PRICE	AMOUNT
						01 BLACK BLUE PLASTIC FIFOLD FRAME FOLD		
						02 DEPA 30 CLR READABLE REV FACE UP		
						01 3018 WTL 3018 WTL 3018 WTL 3018 WTL		
						20 1824 1800 2700 2700		
						26 4500 FULL COLOR SHIELD COLOR		
						21 1800 3018 3018		
						04 TYPE SETTING REGULAR (TYPE)		
						03 ART RULE & PASTE UP DESIGN		
						02 FILM NEG EXACT SCREENED		
						01 FILM NEG CLEAR MATR	4.50	25.20
						02 PROJ PAPER 1000 KODAK 800		
						02 PROJ PAPER H.C. BLOODY CLEARANCE		
						02 AUTO POSITIVE PAPER FILM (3000)		
						02 AUTO POSITIVE HI SPEED REV FACE UP		
						02 WASH OFF FILM PROJ CONTACT REV FACE UP		
						05 OFFSET PLATES 250 300 400		
						05 OFFSET DET. NO		
						08 QUICK COPY 1000		
						17 2000 2000 600 YELLOW TRANS		

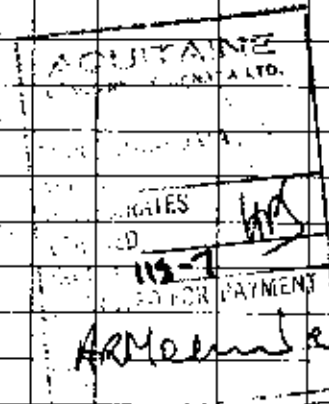
SHIPPING INSTRUCTIONS

READ ATTACHED  RETURN TO  CHANGE TO  SAME SIZE

PORTION ONLY  PHOTO TO

DUPLIC  PERFORATE  PUNCH HOLES  TRIM DATE  STAPLE  PMS IN AT

NO.	DEPT.	SUB DATE	IN	OUT	RUN	TRIM	S.C.
	ART						
	TYPE SETTING						
	1824 1800 2700 2700 ELECTRO						
	PROJ PAPER						
	QUICK COPY 1000						
	QUICK COPY 1000						
	QUICK COPY 1000						
	QUICK COPY 1000						
	QUICK COPY 1000						
	QUICK COPY 1000						



*ATE 118-7*  
*Mimmy*  
*St. Jalat*

INVOICE NUMBER **09621**

DATE **NOV 21 2:40**

DELIVERED BY **175**

QUOTED PRICE

LABOUR

SUB TOTAL **25 20**

F.S.T. **3 02**

P.S.T.

DELIVERY

TOTAL AMOUNT **28 22**

This invoice must be returned with all claims and claims must be made within 24 hours of delivery date.  
TERMS: NET 30 DAYS ... SERVICE CHARGE OF 1% PER MONTH (18% PER ANNUM) ON OVERDUE ACCOUNTS



STATEMENT

in account with

**GERARD AUGER**

Line Cutting & Staking — Geo. Chem, Mag. & E.M.

P.O. Box 1055, Phone 847-2834

SMITHERS, B.C. November 4th 1977.

Att: M. Salat

M. Aquitaine Co. of Canada

540, 5th Avenue

Calgary Alta.

SEE-MOORE PRINTING LTD

Line cutting in Morice river road area.

1000 S.	2,050 m
0	1,950 m
1000 N	1,700 m
	<hr/> 5,700 m

5,700 m @ \$180 per mile 641.25

450 miles @ 20¢ per mile 90.00

---

751.25

AQUITAINE	
COMPANY OF CANADA LTD.	
NOV 8 1977	
SUPERVISOR DATA	
VERIFIED	
PERMITS	
VERIFIED	ND
GOOD	110-2
APPROVED FOR PAYMENT	
ACM	



J.T. THOMAS DIAMOND DRILLING LTD.

P.O. Box 394, Smithers, B.C.

Invoice No. 77 - 10

Property Houston

To: Aquitaine Company of Canada Ltd.  
 200 Aquitaine Tower  
 540 Fifth Avenue S.W.  
 Calgary, Alberta T2P 0M4

This invoice is for diamond drilling and other services on the above property per contract.

Hole No.	Date		Overburden		Coring		Total Footage	Rate	Amount
	From	To	From	To	From	To			
	October								
77-1	12	15	0	47	47	507	507	14.00	\$ 7,098.00
77-2	15	17	0	256	256	506	506	14.00	7,084.00

Mobilization:

Demobilization:

Moving Costs:

Mud Costs:

Cementing Costs:

Tractor Rentals:

Core Box:

Testing Hole:

Casing and Shoes Left in Hole:

Camp Provision:

Downtime:

Flytime:

Other:

Invoice Total 1,013 feet @ \$14.00 \$14,182.00

The above calculations are agreed to by:

\_\_\_\_\_  
 Company Representative

*Jean Thomas*  
 J.T. Thomas Diamond Drilling Ltd.



# LORING LABORATORIES LTD.

629 BEAVERDAM RD. N.E. CALGARY, ALTA. T2K 4W2

TO AQUITAINE COMPANY OF CANADA LTD.,

INVOICE N<sup>o</sup> 14276

2000, 540 - 5th Ave. S.W.,

Calgary, Alberta T2P 0M4

DATE October 20, 1977

ATTN: H. Salat

10 Core SAMPLES

8	Gold & Silver	AQUITAINE COMPANY OF CANADA LTD.	@	8.00	64.00
8	Copper	OCT 26 1977	@	4.50	36.00
8	Lead	SUPPORTING DATA VERIFIED	@	6.00	48.00
8	Zinc	PRICES/RATES VERIFIED	@	6.00	48.00
8	Arsenic	CODED 118-7 APPROVED FOR PAYMENT	@	10.00	80.00
			@		
				TOTAL	\$ 276.00

THIS IS YOUR INVOICE

PLEASE PAY THE AMOUNT SHOWN

TERMS — 30 DAYS





# Vancouver Petrographics Ltd.

8887 NASH STREET - P.O. BOX 39 - FORT LANGLEY, B.C. V0X 1J0  
Telephone (604) 533-1155

INVOICE No 1158

Customer Order No. \_\_\_\_\_

Customer Charge Code \_\_\_\_\_

Ordered By: H. Salai

FOR

Aquitaine Co. of Canada Ltd

2000 Aquitaine Tower

540- 5th Ave S.W.

Calgary 1, Alberta

QUANTITY	DESCRIPTION	COST
16	THIN SECTIONS <del>\$4.00 ea</del> 5.00 ea	80.00
	POLISHED THIN SECTIONS	
	POLISHED ORE MOUNTS	
16	GROUND & LABELLED THIN SECTION REJECT SLICES 75¢ ea	12.00
	POLISHED MINERAL GRAIN MOUNTS	
	MINERAL GRAIN THIN SECTIONS	
	MINERAL GRAIN POLISHED THIN SECTIONS	
	THIN SECTION K-SPAR STAINS	
	ROCK K-SPAR STAINS	
	CERAMIC PULVERIZER PLATES LAPPED	
4	Sample Impregnations 1.00 ea	4.00
1	Rock Slab polished	10.00
	PETROGRAPHIC REPORT	
	FED. TAX	
	PROV. TAX	
	SHIPPING	4.00
	TOTAL (Canadian Funds)	\$110.00

Receiving Date Sept 12, 1977

Shipping Date Sept 22, 1977

Via Air Mail



INVOICE

KENTING EXPLORATION SERVICES LIMITED

December 19 77

Aquitaine Co. of Canada Ltd.  
540 - 5 Avenue S. W.  
Calgary, Alberta

MAKE CHEQUES PAYABLE TO:  
KENTING EXPLORATION SERVICES LIMITED  
324 - 11TH AVENUE S.W.  
CALGARY, ALBERTA, CANADA  
T2R 0C8

4766

INVOICE NO. \_\_\_\_\_  
MONTH OF CHARGE November 19 77

WE HAVE TODAY DEBITED YOUR ACCOUNT AS FOLLOWS

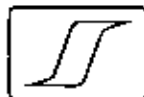
Re: Houston Project - Kenting #2097

Personnel & Equipment

<u>October 12 - 17</u>	6 days @	\$315 00/day	\$1,890 00
<u>Drafting</u>	4 days @	90 00/day	360 00
<u>Interpretation</u>	3 days @	200 00/day	600 00
			<u>2,850 00</u>

<u>Expenses</u>	Cost	1,250 00	
<u>Drafting Supplies</u>	+ 10% handling	125 00	1,375 00
			<u>30 00</u>
			<u>\$4,255 00</u>

*HAS*  
*118-7*  
*W. H. Hume*



## SCINTREX SURVEYS LIMITED

GEOPHYSICAL CONSULTANTS & CONTRACTORS

A DIVISION OF SCINTREX LIMITED

Aquitaine Company of Canada,  
Attn: Mr. Hughes Salat,  
Mining Department,  
540-57th Avenue S.W.,  
CALGARY, Alberta.

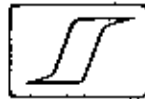
Date October 21, 1977

Invoice 1848

### FIRST PROGRESS INVOICE

RE: HELICOPTER E.N. SURVEY - NEAR  
SMITHERS B.C. OUR JOB NO. T-1155

Mobilization and demobilization	\$2,500.00
Production and Travelling 6 days @ \$650.00/day (Oct. 1/ ½ Oct. 2/ ½ Oct. 4/ Oct. 5, 6, 7, & 8th)	<u>3,900.00</u>
	<u>\$6,400.00</u>
Balance to follow	



# SCINTREX SURVEYS LIMITED

GEOPHYSICAL CONSULTANTS & CONTRACTORS

A DIVISION OF SCINTREX LIMITED

Aquitaine Company of Canada,  
Mining Department,  
540-57th Avenue S.W.,  
Calgary, Alberta.

Date November 18, 1977

Invoice 1859

## SECOND PROGRESS INVOICE

RE: HELICOPTER E.M. SURVEY - NEAR  
SMITHERS, B.C. - OUR JOB NO. T-1155

### Item No.

3	Survey flying time 6.4 hours @ \$250.00/hr.		\$ 1,600.00
4	Crew subsistence & local transport etc.		\$ 1,845.31
5	114.25 Line Miles @ \$10.00/line mile		\$ 1,142.50
6	Helicopter Charges		
	16.4 hrs. @ \$455.56/hr (Inc. fuel)	\$7,471.18	
	3.0 hrs. @ \$410.00/hr. (No fuel)	<u>1,230.00</u>	
		\$8,701.18	
	Plus 12%	<u>1,044.14</u>	
			<u>\$ 9,745.32</u>
		TOTAL:-	<u>\$14,333.13</u>

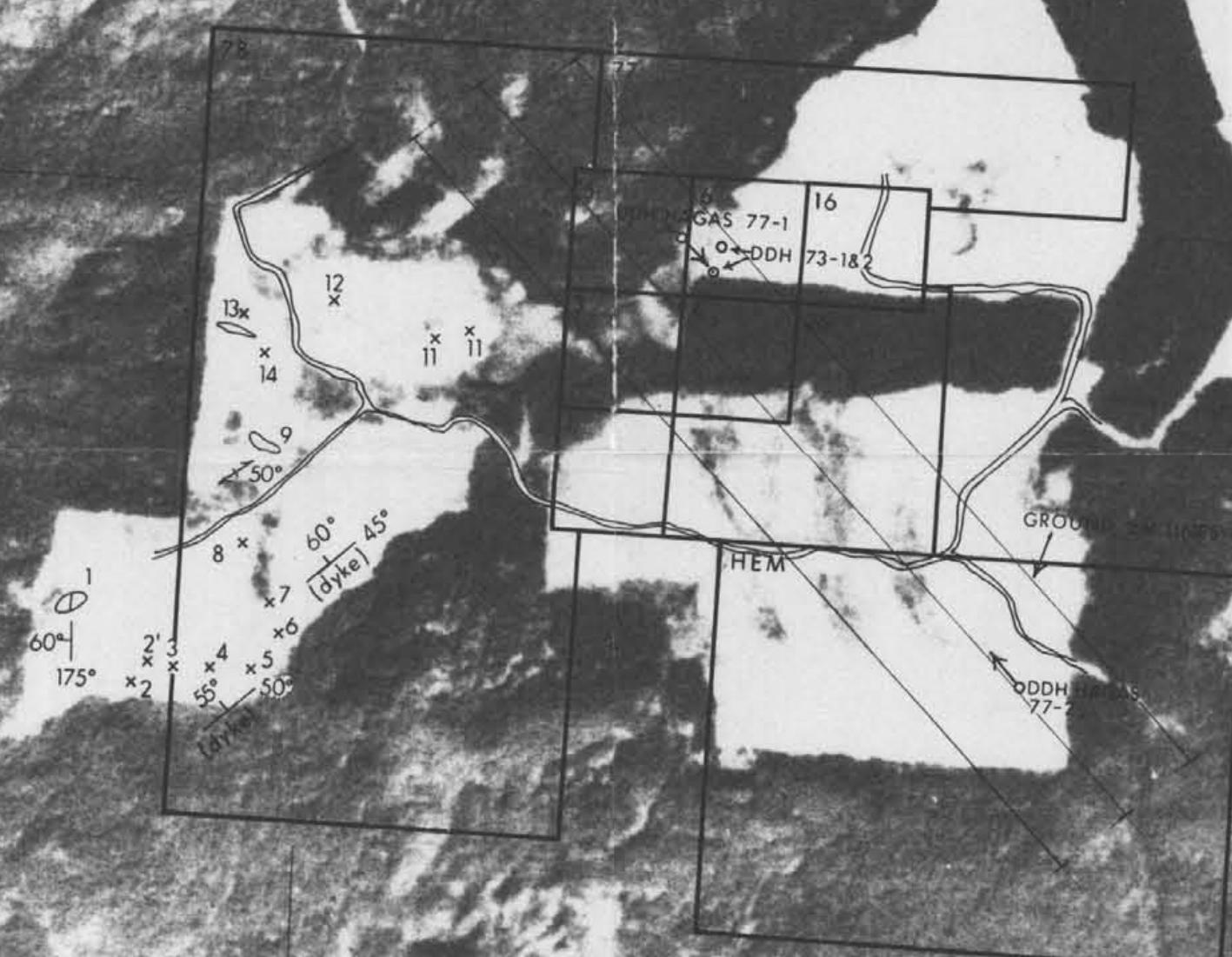
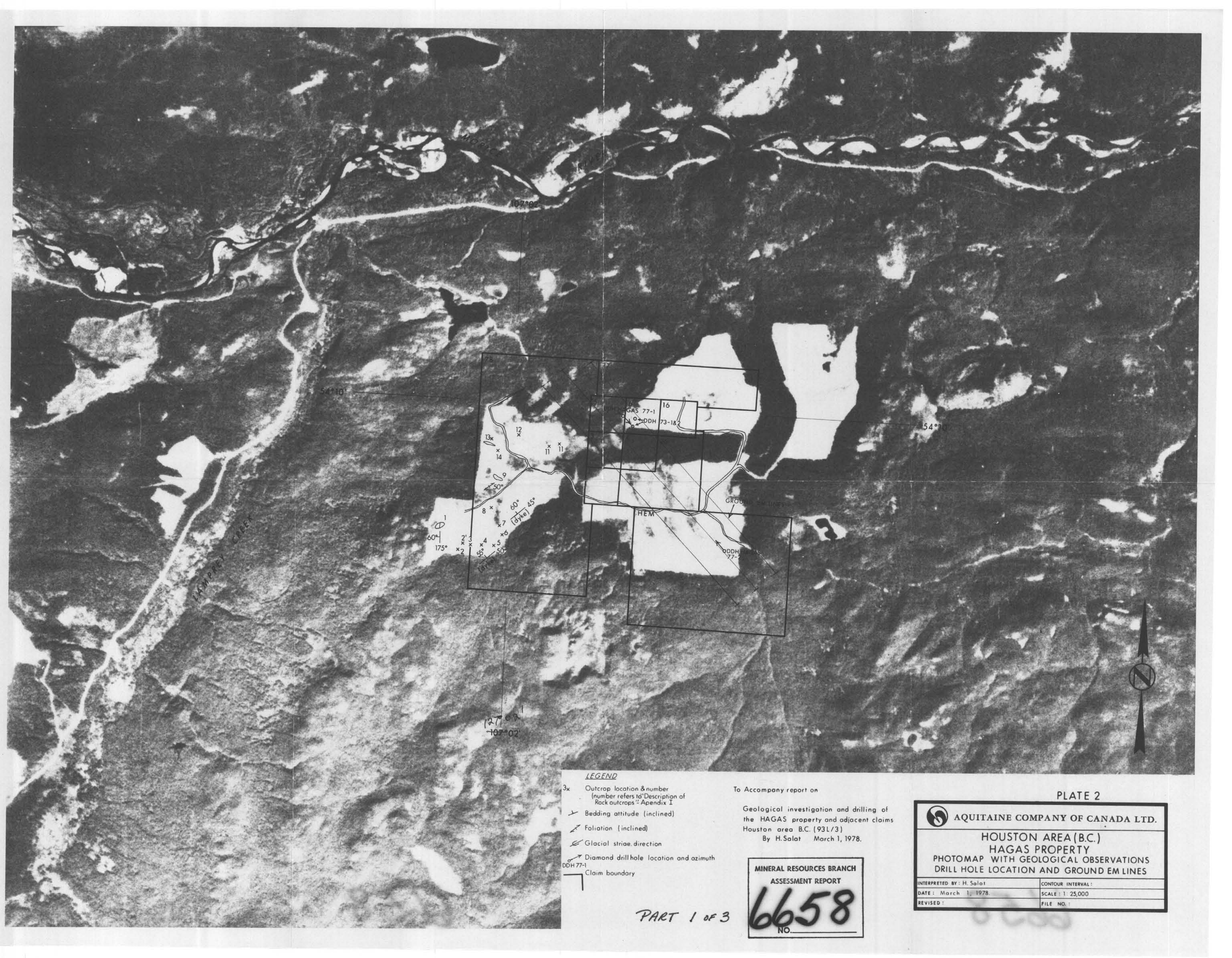
November 18, 1977.

Aquitaine Company of Canada  
Job No. T-1155

CREW SUBSISTENCE - 4 Employees

Car Rental	\$ 468.64
Motel	618.96
Meals 7 days x 4 employees x \$20.00/day	<u>560.00</u>
	\$1,647.60
Plus 12%	<u>197.71</u>
	<u>\$1,845.31</u>






- LEGEND**
- 3x Outcrop location & number  
(number refers to Description of Rock outcrops - Appendix I)
  - ↘ Bedding attitude (inclined)
  - ↗ Foliation (inclined)
  - ↖ Glacial striae direction
  - ↗ Diamond drill hole location and azimuth  
DDH 77-1
  - ▭ Claim boundary

To Accompany report on  
 Geological investigation and drilling of  
 the HAGAS property and adjacent claims  
 Houston area B.C. (93L/3)  
 By H.Salat March 1, 1978.

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
**6658**  
 NO.

PART 1 OF 3

PLATE 2

 <b>AQUITAINE COMPANY OF CANADA LTD.</b>	
<b>HOUSTON AREA (B.C.)          HAGAS PROPERTY          PHOTOMAP WITH GEOLOGICAL OBSERVATIONS          DRILL HOLE LOCATION AND GROUND EM LINES</b>	
INTERPRETED BY: H. Salat	CONTOUR INTERVAL:
DATE: March 1, 1978.	SCALE: 1:25,000
REVISED:	FILE NO.: