

6184

DRILLING REPORT

ON THE

EXPO GROUPS 1 TO 3
NANAIMO MINING DIVISION

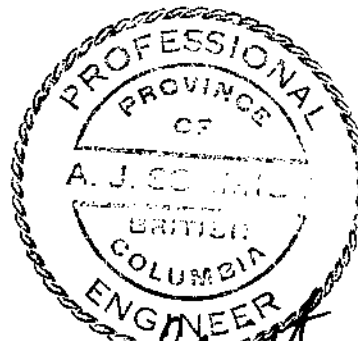
SEPTEMBER TO OCTOBER, 1976

LOCATED

TWENTY-FOUR TO THIRTY-FOUR KILOMETERS
WEST AND SOUTHWEST
OF PORT HARDY, B.C.
50° 127° NW

BY

B. Bowen, Geologist
Utah Mines Ltd.



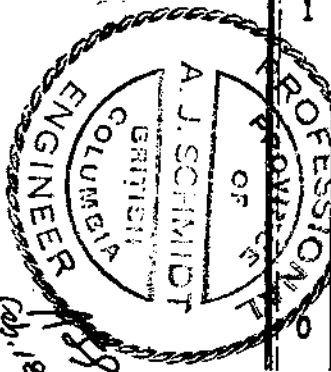
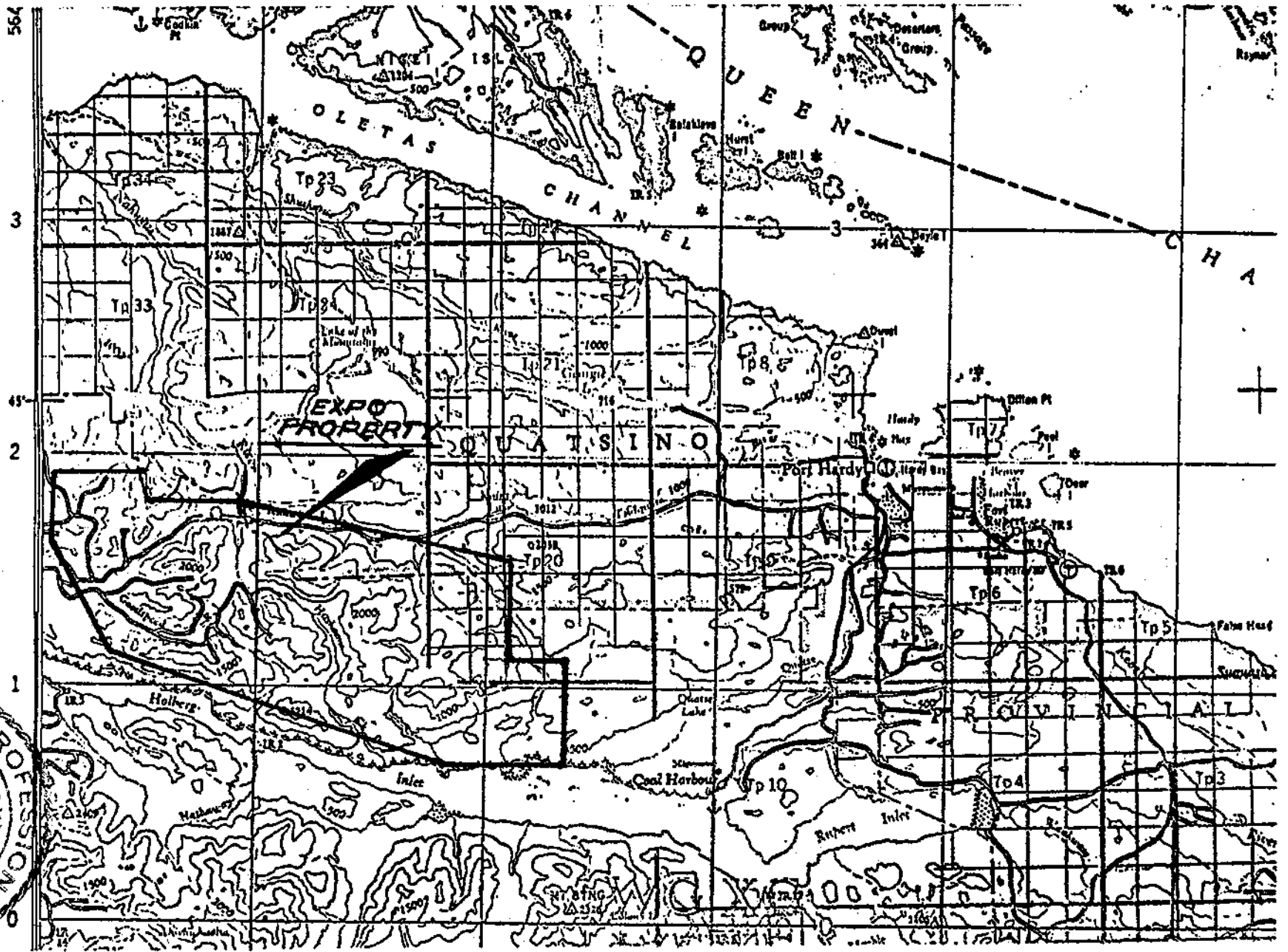
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. _____

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. _____

INDEX MAP
EXPO CLAIMS

1:250,000
5M



Feb. 19/77

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
DIAMOND DRILLING PROGRAM	2
APPENDIX A STATEMENT OF QUALIFICATIONS	4
APPENDIX B STATEMENT OF COSTS	6
APPENDIX C CONTRACTORS INVOICES	10
APPENDIX D DIAMOND DRILLING CONTRACT	22
APPENDIX E DIAMOND DRILL LOGS (IN MAP POCKET)	

ILLUSTRATIONS (MAP POCKET)

	<u>PLATE</u>
DIAMOND DRILL HOLE COLLAR LOCATION PLAN	
<i>Map #1</i> SCALE 1 INCH = 200 FEET	1

DRILLING REPORT ON THE
EXPO GROUPS 1 TO 3

From 27th September to 31st October, 1976, diamond drilling was done on Expo Groups 1 to 3. The claims upon which diamond drilling was specifically done include Expo No.'s 258 and 259 and Don 14 Fraction.

Geology and supervision by Utah Mines Ltd. included the following personnel: B. Bowen and G. Clouthier, geologists, and B. Clarke, field assistant.

Drilling was performed by Connor's Drilling Ltd. The drilling crew consisted of two (2) two-man drilling crews, with one man acting as a runner-foreman. Camp facilities and a cook were supplied by Connor's Drilling Ltd.

The Expo Groups affected by this report cover an area roughly fourteen (14) kilometers long by five (5) kilometers wide trending west to northwest. Drilling was confined to the Hushamu Lake valley where local relief is considerable and topography rugged. Hills bordering the valley rise from approximately 300 meters at lake level to 600 meters, over a distance of 300 horizontal meters. Slopes are heavily forested with mature stands of hemlock, spruce, cedar and balsam and undergrowth is heavy. Drainage from Little and Hushamu Lakes is to the southeast via Hushamu Creek which drains into Holberg Inlet.

Access to the Hushamu drill area is via 11 kilometers of Rayonier Branch Road NE Main, which leaves the Port Hardy-Holberg road approximately 8 kilometers northeast of Holberg. The drill camp was located on Expo 219 and was serviced exclusively by road.

DIAMOND DRILLING PROGRAM

One Boyles "25A" drill was used and was equipped to drill NQ core size. Each crew worked a 10 hour shift, 7 days per week. A Bell 206B helicopter was used for drill moves.

Two drill holes were drilled on the north shore of Hushamu Lake. Both holes were helicopter supported and required the services of a professional faller to clear sites. The sites were kept as small as possible, but large enough to allow the helicopter to manoeuvre with safety. Generally, sites measured approximately 30 meters by 45 meters. Sites were further prepared by construction of a platform on which the drill machine was placed and anchored.

Drilling, generally, encountered poor ground conditions, with the average core recovery in the 68 to 84 per cent range. EC-124 was abandoned before the proposed depth was reached due to squeezing and no mud return.

Core was logged by a Utah geologist, then split in half, with half of the core sent for analyses via Pacific Western Airlines air freight to Chemex Labs Ltd., Vancouver. The remaining half of the split core was placed in storage in the core storage and logging facility located on Expo No. 258. Every box of core was labelled with the diamond drill hole number and the footage contained in the box.

A summary of diamond drill holes drilled during the period 27 September to 31st October, 1976, is given below:

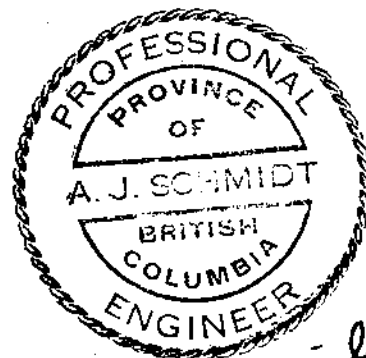
HOLE NO.	CO-ORD. N	(METERS) E	APPROX. ELEV. (METERS)	ANGLE	AZIMUTH	TOTAL DEPTH (METERS)
EC-123	246,125	235,040	304	-70°	180°	161.9
EC-124	245,680	235,900	304	-70°	180°	73.8
TOTAL METERAGE						<u>235.7</u>

Data accompanying the drilling report consists of complete diamond drill logs for diamond drill holes EC-123 and EC-124 in Appendix E; and also a diamond drill hole collar location plan (Plate 1). Statement of cost, diamond drilling contractor's invoices, and a copy of the drilling contract are given in Appendices B, C and D, respectively.

Diamond drill core logs submitted in Appendix E were done by G. Clouthier and B. Bowen. Their respective signatures below are to cover all logs sheets comprising Appendix E.

G. Clouthier
G. Clouthier, Geologist

B. Bowen
B. Bowen, Geologist



A. Schmidt
Feb. 18/77

APPENDIX A

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

The field work for the report was done by the following persons whose qualifications are outlined below:

1. B. Bowen, Geologist for Utah Mines Ltd., Vancouver, British Columbia.

Completed B.A.Sc. at the University of British Columbia in 1970; worked as a student during the summer field seasons with Cominco Ltd. in 1967 and 1968, and with Wayland S. Read, Consulting Geologist, Vancouver, British Columbia in 1969; employed as a field geologist Gibraltar, May 1970 to October 1970 by Placer Development Ltd.; employed as a field geologist, Alice Springs, N.T., Australia, from March 1971 to December 1971 by Central Pacific Minerals, N.L.; employed as mine geologist, Tungsten, Northwest Territories, Canada from May 1972 to March, 1974 by Canada Tungsten Mining Corporation; employed by Utah Mines Ltd. from March 1974 to date as a geologist under the supervision of A. J. Schmidt, P. Eng., and M. J. Young, P. Eng.

2. G. A. Clouthier, Geologist for Utah Mines Ltd., Vancouver British Columbia.

Completed B.Sc. (Honors Geology) at University of British Columbia in 1970; employed by Utah Construction and Mining Company during 1968 and 1969 summer field seasons as geo-chemical and geological assistant respectively; employed by Utah Mines Ltd. from April, 1970 to date as a geologist under the supervision of A. J. Schmidt, P. Eng., and M. J. Young, P. Eng.

APPENDIX B

STATEMENT OF COSTS

STATEMENT OF COSTS

SALARIES

B. Bowen	13 days @ \$58.50 per day	\$ 760.50	
G. Clouthier	7 days @ 56.50 per day	395.50	
B. Clarke	35 days @ 38.50 per day	<u>1,347.50</u>	
	TOTAL	\$2,503.50	\$ 2,503.50

VEHICLE RENTAL

One 1976 Blazer, Chevrolet 4 x 4			
35 days @ \$10.00 per day		<u>\$ 350.00</u>	
	TOTAL	\$ 350.00	\$ 350.00

GAS

Total Cost		<u>\$ 280.86</u>	
	TOTAL	\$ 280.86	\$ 280.86

MAINTENANCE AND TIRES

Total Cost		<u>\$ 123.56</u>	
	TOTAL	\$ 123.56	\$ 123.56

UTAH MOBILIZATION - DEMOBILIZATION

Airfares		\$ 164.20	
Food and Accommodation		<u>275.00</u>	
	TOTAL	\$ 439.20	\$ 439.20

DIAMOND DRILLING

Total Cost		<u>\$38,854.25</u>	
	TOTAL	\$38,854.25	\$38,854.25

CLEARING OF DIAMOND DRILL SITES

Total Cost		<u>\$ 650.00</u>	
	TOTAL	\$ 650.00	\$ 650.00

HELICOPTER SUPPORT

Total Cost		<u>\$ 4,167.40</u>	
	TOTAL	\$ 4,167.40	\$ 4,167.40

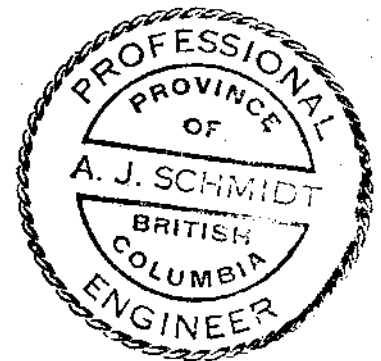
CLEARING OF ACCESS ROAD

Total Cost		<u>\$ 828.80</u>	
	TOTAL	\$ 828.80	\$ 828.80

REPORT AND MAP PREPARATION

Total Cost		<u>\$ 225.00</u>	
	TOTAL	\$ 225.00	\$ 225.00

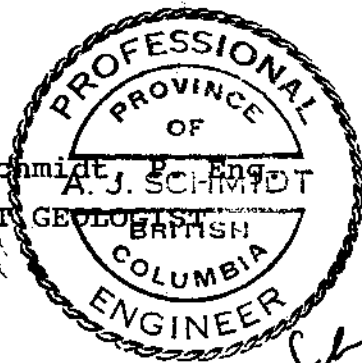
GRAND TOTAL			<u>\$48,422.57</u>
-------------	--	--	--------------------



Average cost per foot for diamond drilling (used for cost distribution purposes):

equals	<u>GRAND TOTAL</u>
	TOTAL FOOTAGE
equals	\$48,422.57
	<u>773 feet</u>
equals	\$62.64 per foot

A. J. Schmidt, P. Eng.
A. J. SCHMIDT
DISTRICT GEOLOGIST



*A. Schmidt
Feb 18/77*

VANCOUVER, B.C.
JANUARY 7, 1977

APPENDIX C

CONTRACTORS' INVOICES

017-39-6

Job 21-711

Utah Mines Ltd.
1600-1050 West Pender Street
Vancouver, B.C.

INVOICE NO: 7189
DATE: October 8, 1976

SURFACE DIAMOND DRILLING
HOLBERG B.C.
SEPTEMBER 30, 1976

MOBILIZATION-DEMobilIZATION (Lump Sum) 4,800.00

MUD SUPPLIES SHIPPED & FREIGHT CHARGES

Thiessen Equipment Inv. #740 (Copy attached)	837.68
" #766 "	505.04
Route of the Haidas Inv. # 272344 (Copy attached)	364.71
" # 272103 "	38.50
	<u>1,745.93</u>
	<u>6,545.93</u>

Exp. UTAH Mines LTD. - EXPLORATION DEPT.

oklass DISTRIBUTION

Location	Major	Minor	Act.	Exp.	Amount
00		A 97 0.	0	40	6545.93
00			0	0	
00			0	0	
00			0	0	
00			0	0	
Date Received			Invoice Amount		6545.93
Ext. & Prices			Discount		
Approved by			Amount Payable		
			Check No.		

OCT 11 1976

7189

To • Utah Mines Ltd.
 • 1600-1050 West Pender Street
 • Vancouver, B.C.

DATE October 22, 1976

INVOICE NO. 7234

- 2 -

Total man hours	341 @ 17.00	5,797.00	
Total drill hours	97½ @ 12.00	1,170.00	× 6,967.00
CORE BOXES			
100 NQ Core boxes	@ 4.50	450.00	
50 NQ Core Box Lids	@ 1.00	50.00	
		<u>500.00</u>	
	7% tax	<u>35.00</u>	✓ 535.00
MUD SUPPLIES			
Thiessen Equipment	Inv. #845 *(copy attached)		✓ 2,208.17
BOARD YOUR PERSONNELS			
October 1 - 15, 1976	(copy attached) 48 x 6.00		✓ 288.00
			<u>16,728.89</u>

OK/ASB

Exp

be getting a small
 against this invoice later.

UTAH MINES LTD. -- EXPLORATION DEPT.					
DISTRIBUTION					
Location	Major	Minor	Act.	Exp.	Amount
00		0	0	0	credit
00		A970	0	0	16,728.89
00		0	0	0	
00		0	0	0	
00		0	0	0	
Date Received			Invoice Amount		16,728.89
Est. # Prices			Discount		
Approved by			Amount Payable		
			Check No.		

RECEIVED
 OCT 25 1976

017-39-6

Job 21-711

Utah Mines Ltd.
 1600-1050 West Pender Street
 Vancouver, B.C.

INVOICE NO: 7249
 DATE: October 29, 1976

SURFACE DIAMOND DRILLING
HOLBERG, B.C.
OCTOBER 16 - 31, 1976

FOOTAGE FEE

D.D. Hole EC-124	0 - 100'	100' @ 16.50	1,650.00	
	100 - 108'	8' @ 20.00	160.00	
	108 - 242'	134' @ 16.47	<u>2,206.98</u>	✓ 4,016.98
		<u>242'</u>		

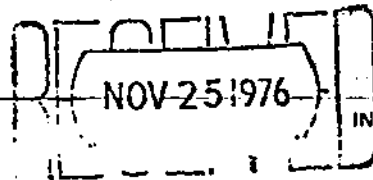
FIELD COST WORK

<u>DATE</u>	<u>SHIFT</u>	<u>MAN HRS.</u>	<u>DRILL HRS.</u>	<u>REMARKS</u>		
Oct. 16/76	Day	2 ✓	✓ 1	Mix mud		
17/76	"	40 ✓	✓ 10	Tear down to move		
18/76	"	14	✓ 11	Tear down, Work on setup		
19/76	"	38 ✓	✓ 2	Move & start setup		
20/76	"	39 ✓	✓ 9	Finish setup		
28/76	"	10 ✓	✓ 40 ✓	Tear down to move out		
29/76	"	10 ✓	✓ 40 ✓	Moving-truck loading point		
30/76	"	10 ✓	✓ 40 ✓	" " " "		
		<u>163</u>	<u>153</u>			
		253	63			
Total man hours		163 @ 17.00			4,301.00	2,771.00
Total drill hours		153 @ 12.00			780.00	<u>1,836.00</u> X 4,607.00
		63				

MUD SUPPLIES

Thiessen Equipment Inv. #845	2,173.17	
Less Special Delivery charge	35.00	
	<u>2,208.17</u>	
Freight charge Van. - Port Hardy		
8000 lbs. 5.17/c	<u>413.60</u>	2,621.77

7249



Job 21-711

INVOICE NO: 7304

DATE: November 24, 1976

Utah Mines Limited
1600-1050 West Pender Street
Vancouver, B.C.

017-39-6
ExpD

**SURFACE DIAMOND DRILLING
HOLBERG, B.C.
OCTOBER 16 - 31, 1976
REVISED INVOICE**

FOOTAGE FEE

D.D. Hole	#	Start	End	Rate	Amount
	EC-123	477'	500'	23' @ 16.47	378.81
		500'	531'	31' @ 18.00	558.00
	124	0'	100'	100' @ 16.50	1,650.00
		100'	102'	2' @ 20.00	40.00
		102'	242'	140' @ 16.47	2,305.80
					<u>4,932.61</u>
					296'

FIELD COST WORK

DATE	SHIFT	MAN HRS.	DRILL HRS.	REMARKS
Oct. 11/76	Day	12	6	Ream casing 0' - 201'
16/76	"	2 ✓	1	Mix mud
17/76	"	40 ✓	10	Tear down for move
18/76	"	44 ✓	11	Tear down machine for flying
19/76	"	38 ✓	8	Moved and set up
20/76	"	39 ✓	9	Complete setting up
21/76	"	6 ✓	3	Set up mud tanks
	"	2 ✓	1	Mix mud
	Night	4 ✓	2	"
22/76	Day	4 ✓	2	"
	Night	2 ✓	1	"
	"	12 ✓	6	Ream Tricone 45' - 87'
23/76	Day	8 ✓	4	Ream NW casing 0' - 100'
	"	2 ✓	1	Mix mud
	"	12 ✓	6	Wait for chopper
	Night	2 ✓	1	Mix mud

7304

hons Drilling Ltd.

Subsidiary of
Bow Valley Industries Ltd

205 - 1201 WEST PENDER STREET, VANCOUVER, B.C., CANADA V6E 2V2
AREA CODE 604/683-2222

To • Utah Mines Limited
• 1600-1050 West Pender Street
• Vancouver, B.C.

• DATE November 24, 1976

• INVOICE NO 7304

- 2 -

FIELD COST WORK CONT.

DATE	SHIFT	MAN HRS.	DRILL HRS.	REMARKS
Oct. 24/76	Night	4✓	2	Ream rods 106' - 122'
	"	2✓	1	Ream casing 101' - 105'
	"	4✓	2	Mix mud
25/76	Day	8✓	4	Ream casing 104' - 120'
	"	1✓	1	Faller (Timber delay)
	"	4✓	2	Mix mud
	Night	6✓	3	Ream rods 122' - 165'
26/76	Day	4✓	2	Mix mud
27/76	"	24✓	6	Tear down for move
28/76	"	40✓	10	Tear down for flying
29/76	"	40✓	10	Flying equipment out
		<u>366</u>	<u>115</u>	

Total man hours	366 @ 17.00	6,222.00	
Total drill hours	115 @ 12.00	<u>1,380.00</u>	✓ 7,602.00

WORK ON STATUTORY HOLIDAY NOV. 11/76 ✓

30 man hours @ 9.00	at.		270.00
---------------------	-----	--	--------

WALKING TIME ON JOB

17 man hours @ 14.00			238.00
----------------------	--	--	--------

OVERTIME HOURS OVER 10 HOUR PER DAY

36 man hours @ 9.00			324.00
---------------------	--	--	--------

MUD SUPPLIES

Thiessen Equipment	Inv. # 845' (copy attached)	2,208.17	
	Less Special Delivery Charges	<u>(35.00)</u>	2,173.17

FREIGHT ON CORE BOXES AND MUD (copies attached)

Route of the Haidas	Inv. #275927	359.00	
" " "	" #272999	<u>35.65</u>	394.65

BOARD YOUR PERSONNEL

Oct. 16 - 31/76 (copy attached)	58 meals @ 6.00		348.00
---------------------------------	-----------------	--	--------

CREDIT (From our invoice #7234)

Oct. 1/76	24 man hours @ 17.00	408.00	
5/76	10 drill hours @ 12.00	<u>120.00</u>	(528.00)

CREDIT 1 power saw lost

			(175.00)
--	--	--	----------

Invoiced Oct. 29/76 Inv: #7249 as....
Revised Amount

15,579.43
<u>12,211.75</u>
<u>3,367.68</u>



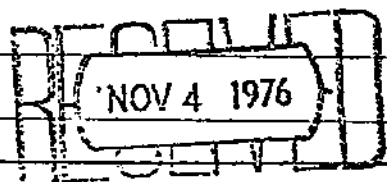
VANCOUVER ISLAND HELICOPTERS LTD.

P.O. BOX 2095 SIDNEY, BRITISH COLUMBIA V8L 3S6 TELEPHONE 656-3987

072 230

DATE _____

In Account With _____



REFERENCE _____

FLYING SERVICE FOR MONTH OF _____ 19____
AS PER ATTACHED FLIGHT INVOICES.

HELICOPTER TYPE _____ REG. No. C.F. _____

BASE OF OPERATION _____

		BALANCE FORWARD		
_____	HOURS	@ \$ _____	PER HR.	\$ _____
_____	HOURS V.I.H. FUEL	@ \$ _____	PER HR.	\$ _____
_____	HOURS	@ \$ _____	PER HR.	\$ _____
_____	HOURS V.I.H. FUEL	@ \$ _____	PER HR.	\$ _____
MINIMUM CHARGES (IF APPLICABLE) 012				\$ _____
CREW EXPENSES				\$ _____
ADDITIONAL CHARGES _____				\$ _____
TOTAL CHARGES				\$ _____

ISLAND BUSINESS FORMS

TERMS: 30 DAYS NET

Interest at 1 1/2% per month (18 per cent per annum) charged on overdue accounts.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

19789

UTAH MINES LTD.

PAGE NO. 1

510 WEST HASTINGS STREET VANCOUVER, B.C., CANADA

JOB NO.	VENDOR NO.	INVOICE NO.	DUPLICATE DATE	INVOICE AMOUNT	DISCOUNT	NET AMOUNT
MO.	DAY	YEAR				
845	07223031	1364243	10 31 76	2,674.60	.00	2,674.60
			TOTALS	2,674.60	.00	2,674.60

INQUIRIES: UTAH MINES LTD.
1050 WEST PENDER ST

EXPLORATION DEPT
VANCOUVER, B C V6E 3(604) 683-6921

- 17 -

UTAH MINES LTD.
510 WEST HASTINGS STREET VANCOUVER, B. C.

01978919789

HASTINGS & GRANVILLE BRANCH
CANADIAN IMPERIAL BANK OF COMMERCE
VANCOUVER, B.C. CANADA

VENDOR NO. 072230
DATE OF CHECK 11-22-76

DOLLARS CENTS
***=2,674.60

PAY

TO THE ORDER OF

VANCOUVER IS. HELICOPTERS
PO BOX 2095
SIDNEY, B.C. V8L 3S6

UTAH MINES LTD.
GENERAL ACCOUNT

NOT NEGOTIABLE

⑆019789⑆ 1500010⑆010⑆ 92⑆03117⑆



VANCOUVER ISLAND HELICOPTERS LTD.

P.O. BOX 2095 SIDNEY, BRITISH COLUMBIA V8L 3S6 TELEPHONE 656-3987

610

072-23-0

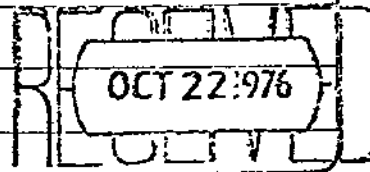
DATE OCTOBER 20, 1976

In Account With

UTAH MINES LTD.,

1600 - 1050 W. PENDER ST.,

VANCOUVER, B.C.



REFERENCE INV. 8216, 8219

FLYING SERVICE FOR MONTH OF OCTOBER 4 & 6 19 76
AS PER ATTACHED FLIGHT INVOICES.

HELICOPTER TYPE BELL 206B REG. No. C.F. LIL

BASE OF OPERATION PORT HARDY, B.C.

BALANCE FORWARD		
<u>4.8</u> HOURS	@ \$ <u>290.00</u> PER HR.	\$
<u>4.8</u> HOURS V.I.H. FUEL	@ \$ <u>21.00</u> PER HR.	
_____ HOURS	@ \$ _____ PER HR.	
_____ HOURS V.I.H. FUEL	@ \$ _____ PER HR.	
MINIMUM CHARGES (IF APPLICABLE)		
CREW EXPENSES		
ADDITIONAL CHARGES		
TOTAL CHARGES		\$ 1,492.80

OK/23
6700

TERMS: 10 DAYS NET
Interest at 1 1/2% per month (18 per annum) charged on overdue accounts.

This company complies with the CODE OF ETHICS of the Helicopter Association of America.

19587

UTAH MINES LTD.

PAGE NO. 1

510 WEST HASTINGS STR. VANCOUVER, B.C. CANADA

JOB NO.	TYPOR NO.	INVOICE NO.	MO.	DAY	YEAR	INVOICE AMOUNT	DISCOUNT	NET AMOUNT
845	0722300	2168219	10	20	76	1,492.80	.00	1,492.80
TOTALS:						1,492.80	.00	1,492.80

INQUIRIES: UTAH MINES LTD.
1050 WEST PENDER ST

EXPLORATION DEPT
VANCOUVER, B.C.

VGR 5(604) 685-0771

UTAH MINES LTD.

510 WEST HASTINGS STREET • VANCOUVER, B.C.

PAYOR NO.
072230

DATE OF CHECK
11-01-76

019587 19587

CANADIAN FINANCIAL INSTITUTIONS
MEMBER OF THE
FEDERAL RESERVE BANK

1,492.80

PAY

TO THE
ORDER OF

VANCOUVER IS. HELICOPTERS
PO BOX 2095
SIDNEY, B.C. V8L 3S6

UTAH MINES LTD.
VANCOUVER, B.C.

NOT NEGOTIABLE

⑈019587⑈ ⑆00010⑆010⑆ 92⑈03117⑈

61



053809

PORT HARDY BULLDOZING LTD. 053856

Box 166 Port Hardy, B.C. V0N 2P0

Telephone 949-6548
949-6648
Telex 044-66520

September 30, 1976

TO: Utah Exploration
1050 West Pender Street
Vancouver, B.C.

Attention: Mr. Schmidt

Re: Road to Hushame Lake, Holberg

<u>Lowbed @ \$45.00 per hour</u>	5 hrs @ 45.00	225.00	
Sept 25 - 8 1/2 hours	4 1/2 @ 22.50	101.25	-326.75
		427.50	
<u>Operators Overtime @ \$6.58 per hour</u>			
Sept 25 - 9 1/2 hours		62.51	
<u>955 @ \$40.00 per hour</u>			
Sept 25 - 9 1/2 hours		380.00	
<u>Operators Overtime @ 6.32 per hour</u>			
Sept 25 - 9 1/2 hours		60.04	

TOTAL

\$930.05
828.80

OK/ASS
EYD

Invoice No. 60684

RECEIVED
OCT 4 1976

APPENDIX D

DIAMOND DRILLING CONTRACT

10:150

DRILLING AGREEMENT

THIS AGREEMENT, entered into this 22nd day of

September, 1976 by and between

UTAH MINES LTD. , a

corporation, hereinafter referred to as "Owner", and

CONNORS DRILLING LTD.

#205-1201 West Pender Street

Vancouver, B.C.

V6E 2V2

hereinafter referred to as "Contractor",

WITNESSETH:

WHEREAS, Owner desires to have Contractor carry out a drilling program on certain lands controlled by Owner and located in the area of Holberg, British Columbia

; and

WHEREAS, Contractor is desirous of performing such drilling program for Owner and is fully equipped and capable to perform such work;

NOW THEREFORE, in consideration of the covenants and conditions hereinafter set forth, Owner and Contractor mutually agree as follows:

1. WORK TO BE PERFORMED: Contractor agrees to perform fully and completely all drilling and/or coring work requested by Owner to be done by Contractor on the abovementioned lands, such performance by Contractor to be in strict conformance with the terms and provisions of this agreement and specifically in conformance with those provisions set forth on Schedule I attached hereto and by this reference incorporated herein.

All work to be performed by Contractor hereunder shall be done at such times, such locations and in such manner as requested by Owner, subject, however, to the specific provisions set forth in Schedule I hereto.

It is understood that Owner may employ other contractors to perform work, including drilling, upon the subject property and Contractor shall conduct its operations so as to best cooperate with such other contractors, if so requested by Owner.

2. WORKMEN AND EQUIPMENT: Contractor agrees to furnish and maintain in first class operating condition the equipment, machinery, tools, and supplies specified in Schedule I hereto, or necessary to perform the work as set forth in said Schedule I hereto, and all labor, including superintendence, and all other things whatsoever required or convenient to properly perform the work specified in this agreement and within the time herein required. Owner may require Contractor to discharge from the performance of this contract any employee deemed to be in any way objectionable by Owner. No equipment furnished by Contractor hereunder for use in the performance of this agreement shall, without the prior consent of Owner, be removed from the site of the work until such time as the performance of this contract shall be completed by Contractor.

3. COMMENCEMENT AND PROGRESS OF WORK: Unless otherwise specified in Schedule I herein, Contractor shall, within seven days after being notified by Owner to start work, commence work in the field at such locations as Owner may designate and shall thereafter continue diligently in the performance of the work at such rate of progress and at such locations as may be required by Owner and shall fully complete said work to the satisfaction of Owner.

4. NO REPRESENTATIONS TO CONTRACTOR: It is understood that Contractor has satisfied itself as to the nature and location of the work, the character of the soil, rock, or other materials to be encountered, the character, kind and quantity of equipment needed for the prosecution of the work, and the conditions under which the work is to be performed and Owner has made no

representations to Contractor concerning the conditions to be encountered in the performance of the work. No verbal agreement or statement shall affect or modify any of the terms or provisions of this contract and no change, amendment, or modification of the terms or conditions of this contract shall be valid unless reduced to writing and signed by Owner and Contractor.

5. LIENS AND CLAIMS: Contractor shall discharge at once all liens, claims, stop notices, or attachments which may be filed or levied in connection with the work done by Contractor under this agreement and shall pay all taxes levied upon Contractor, its employees, equipment, property, or operations and Contractor shall hold Owner, Owner's property, and the lands upon which the work called for in this contract is being performed harmless therefrom. Contractor shall pay promptly and in full the claims of all persons, firms, or corporations performing labor upon or furnishing equipment, materials, supplies, or power used in the performance of or contributing to the work described in this agreement.

Upon completion of work under this agreement, Contractor, if required by Owner, shall deliver to the Owner a complete release of all claims for taxes, liens, claims, stop notices, or attachments arising out of this agreement or receipts in full in lieu thereof and if required in either case, an affidavit that, to Contractor's knowledge, such releases or receipts include all labor and material for which a lien, claim, stop notice, or attachment could be filed.

6. LIABILITY FOR INJURIES AND PROPERTY DAMAGE: Contractor shall save harmless Owner, Owner's property, and the lands upon which the work called for in this agreement is being performed from all liability for injury to or death of persons and for damage to property in any way arising out of Contractor's performance under this agreement.

of this agreement.

No work shall be commenced under this contract until the required bond is produced and submitted to Owner. Should any surety upon the said bond become unacceptable to Owner for any reason at any time, Contractor will promptly furnish such additional surety, sureties, or security as Owner may request.

10. TERM OF CONTRACT: Unless the provisions of Schedule I shall specify a different length of time during which Contractor shall be bound to perform under the terms of this agreement, Contractor shall be obligated to perform for Owner under the provisions of this contract upon the lands hereinabove described, all drilling work requested by Owner to be performed by Contractor during a period of one (1) year from and after the date of this agreement, provided, however, that Owner may, at any time after the completion of the minimum amount of drilling work guaranteed to Contractor under the provisions set forth in Schedule I, terminate this agreement by giving notice of such termination to Contractor.

11. INSURANCE: Contractor shall obtain and carry during the period of this agreement at Contractor's sole cost the following insurance coverage:

Insurance Coverage	Minimum Limits	
Bodily Injury Liability including Contractual Liability and Completed Operations	Each person	\$100,000.00
	Each occurrence	\$300,000.00
Property Damage Liability including Contractual and Completed Operations	Each occurrence	\$100,000.00
	Aggregate	\$100,000.00
Automobile: (Including owned and non-owned automobiles)		
Bodily Injury	Each person	\$100,000.00
	Each occurrence	\$300,000.00
Property Damage	Each accident	\$100,000.00

Workmen's Compensation
and Employer's
Liability

Full Statutory Compliance
Each person \$100,000.00
Each accident \$300,000.00

No work under this contract shall be started until certificates of insurance conforming with the above minimum requirements are obtained and submitted to the Owner. Insurance companies must be satisfactory to Owner, and policies must provide that ten (10) days' written notice be given to Owner prior to cancellation or annulment.

12. COMPLIANCE WITH THE LAW: Contractor and its employees shall at all times observe and comply with all statutes, ordinances, and regulations of any nation, state, province, municipality or other governmental authority or agency having jurisdiction over the place where the work hereunder is being carried on.

13. PERMITS: Contractor shall obtain all permits and licenses necessary for the performance of this contract and shall give all necessary notices and pay all fees required by governmental agencies or by other authorities in connection with the performance of this contract.

14. SUPERINTENDENT: The Contractor shall have a competent superintendent, satisfactory to Owner, on the work at all times with authority to act for Contractor. The superintendent shall not be changed except with the consent of Owner unless the superintendent ceases to be in the employ of the Contractor.

15. CONTRACTOR NOT AGENT OF OWNER: In the execution of the work to be performed hereunder, Contractor shall operate as an independent contractor and not as an agent or employee of Owner. Contractor shall hold Owner harmless from any liability which may arise by reason of any action or representation of Contractor, its agents, or employees.

16. NOTICE AND PLACE OF PAYMENT: All notices to be given to Owner by Contractor hereunder shall be delivered to

Owner's office at Vancouver, B.C.

Any notice to be given by Owner to Contractor hereunder may be given by delivering such notice personally to Contractor's superintendent at the job site or, at Owner's option, such notice may be given by depositing said notice in any United States post office in an envelope, postage prepaid, and addressed to Contractor at Vancouver, B.C.

Such notice to Contractor shall be deemed to have been given either upon its delivery to Contractor's superintendent or by deposit in said post office as the case may be.

All moneys payable to Contractor hereunder shall be payable at Owner's office in Canadian Funds or at Owner's option may be mailed to Contractor in the manner hereinabove prescribed for the giving of notice to Contractor.

17. ASSIGNMENT: Contractor will not, without the previous written consent of Owner, assign this agreement nor subcontract any part or portion of the work to be performed hereunder to any other party.

18. PROTECTION OF INFORMATION: No information whatsoever regarding the conduct, records, or results of any work performed by Contractor under this agreement shall be given or discussed by Contractor or any of Contractor's agents or employees in any manner to or with any party other than the Owner without the prior written consent of Owner.

19. SUCCESSORS: This agreement and each and every provision hereof shall inure to the benefit of and be binding upon the parties hereto and their successors and assigns.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the date hereinabove set forth.

OWNER Utah Mines Ltd.

By C. K. McEathen

CONTRACTOR Connors Drilling Ltd.

By D. Miller

SCHEDULE I
WORK PROVISIONS

1. The Contractor will provide equipment, supplies, and crews to operate one drill rig, two (2) shifts per day, including, but not limited to all necessary drilling machinery, bits, associated tools, motor fuels and oils, repair parts, casing rods, core barrels, drilling muds, cement, and all necessary labor and supervision. Contractor shall, at the commencement of work hereunder, at its own expense, transport all such equipment, supplies and personnel to the job site.
2. Holes will be drilled stand BQ, NQ, or HQ wireline. In all instances, reasonable care shall be exercised to obtain the recovery of as high a percentage of core as the formation being drilled will reasonably permit. All such core shall be properly identified in correct order and placed in core boxes provided by Owner. Contractor shall furnish a log of each hole drilled, showing location and depth drilled and/or a daily record sheet with holes drilled and footage noted. Said record is to be signed by the driller and will be used in computing payment for work done.
3. The location, depth, and angle of each hole to be drilled by Contractor shall be specified by the Owner. Holes shall have a minimum depth of 150 feet and a maximum depth of 1,000 feet. Notwithstanding any other provision of this agreement, Owner guarantees that a minimum of 2,500 lineal feet of drilling will be required of Contractor under this agreement.
4. The Owner shall check the angle and direction of each hole in order to assure that the hole is being started at the required angle and in the required direction. The Contractor assumes no responsibility for any deviation that may occur in a hole beyond the collar. The measurement of all holes shall be taken from the top of casing, or standpipe, as the case may be, which shall be kept as close to the original contour of the ground as circumstances will permit.
5. Should cavities or loose and caving materials, or other adverse conditions be encountered, so that in the opinion of the Owner and Contractor, further drilling in a hole is not practical, the hole may be abandoned, and the Contractor shall be paid at the rates specified in Schedule II attached hereto for the footage actually drilled, provided, however, that the Contractor shall not be paid when said adverse conditions are a direct result of negligence on the part of the Contractor. The Contractor, at the request of the Owner, will replace any driller not achieving satisfactory core recovery.
6. The Contractor shall provide board and lodging for all Contractor's personnel and board for the owner's personnel. The Owner shall pay the Contractor at the rate of \$6.00 per meal for its personnel.

7. The Contractor will, at its own expense, provide truck transportation for Contractor's crews, to and from the drill sites and any camp established by Contractor.

8. The Owner shall provide, at its own expense, all rights of way that may be required to enable Contractor to move to and from, and to operate on, the drill sites specified by Owner. Contractor shall be permitted to fell and cut such timber as may be required in the course of the work hereunder upon the property controlled by Owner, provided, however that Contractor shall comply with all the terms of Owner's permits allowing such timber cutting. Owner shall save the Contractor harmless from any assessments for stumpage.

9. This agreement and any disputes arising hereunder shall be interpreted and determined in accordance with the laws of the province of British Columbia.

10. During the course of the work, the Contractor agrees at all times, to keep operations free from accumulation of waste material, rubbish and garbage, and upon completion of the work, shall remove all tools, scaffoldings, surplus materials and rubbish, and leave premises in a clean condition. The Contractor shall observe and comply with all applicable Federal and Provincial laws, regulations and orders relating to prevention of forest fires and sanitation.

SCHEDULE II
PAYMENT SCHEDULE

The owner shall pay the Contractor in Canadian Funds for work completed according to the following schedule:

1. Surface Drilling

The price per foot for core drilling in bedrock, from the surface shall be as follows:

	HQ	NQ	BQ
0 - 500 feet	\$20.00	\$16.47	\$14.98 per foot
500 - 1,000 feet		\$18.00	\$16.52 per foot

2. Overburden Drilling

0 - 100 feet	\$16.50 a foot.
100 - 250 feet	\$20.00 a foot.

Beyond 250 feet, at Field Cost, if the cost of penetration is greater than \$20.00 a foot.

3. Field Cost Defined

"Field Cost" is defined for the purpose of this Agreement as all direct labor, including supervision, at \$17.00 a man hour, drill and equipment (support) rental at \$12.00 per drill rig hour, and the cost of pipe or casing lost, and materials and supplies consumed in the work.

4. Casing, Reaming, Cementing and Mud Circulation operations, in overburden or bedrock, if and when required, shall be at Field Cost.

5. Pipe or Casing Left in Holes

Any Casing, Casing Shoe bits, or pipe left in holes at Owner's request, shall be paid for by owner at the Contractor's Cost, F.O.B. the drill site.

6. Surveying Holes

Any Clinometer survey required by Owner, shall be paid by Owner at a rate equal to the cost of three feet of drilling at the depth where tested.

7. Sludge Samples

The Contractor shall at the Owner's request, collect sludge samples when possible at no cost to Owner. Containers for such samples shall be provided by Owner at no cost to Contractor.

8. Standby Time

Standby time at request of Owner, shall be paid at Field Cost.

9. Travel Time or Walking Time

The Company agrees to reimburse the Contractor for all the travel and walking time at the rate of \$14.00 a man hour.

10. Water

Installation and removal of water lines shall be at Field Cost. Contractor will supply 2,000 feet of line and pump.

11. Moving

Moving, setting up, moving and tearing down between drill sites, from transport discharge point to drill site, moving from site to site and return to transport loading point, at Field Cost.

12. Mobilization and Demobilization

Contractor, shall at the commencement of operations under this Contract transport all of its equipment, supplies, and personnel to the truck discharge point, and upon completion of the work under this Contract shall transport all of its equipment, supplies, and personnel from the truck loading point to such other destination as Contractor may choose, for one drill outfit, associated equipment, operating personnel, and camp, a total sum of ~~\$5,800.00~~

13. Core Boxes

If requested, the Contractor will supply core boxes for \$4.50 a box for either HQ,NQ or BQ size. Lids at \$1.00 each plus the cost of freight.

14. Air Service

The Owner will provide all Air Service required, to transport equipment to and from the drill sites, at no cost to the Contractor.

15. Access

The owner will provide road access and clear camp site area for Contractor's camp, and also, provide road access to as near as possible to drill sites.

HOLE NO. EC - 123

PROJECT: EXPD

PAGE NO: 1 OF 6

COLLAR ELEV:

GROUND ELEV.:

DATE STARTED: OCTOBER 8, 1976

REF. TO CLAIM CORNER:

COORDINATES: 246,125

N. 235,040 E. UNSURVEYED.

DATE FINISHED: OCTOBER 16, 1976

SCALE: 1" = 10'

INCLINATION: - 70°

BEARING: 180°

TOTAL DEPTH: 531'

LOGGED BY: B.K.B.

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS: 18 ft. = fracture filling.	AVE CORE REC'Y / HOLE 84.8%	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT
	SILICIFICATION	SERPENTINE	CLAYS	ADOLPHITE											
180								STICK-UP 0 - 7.75							
								OVERBURDEN 7.75 - 195.0							
195											195				
200								TRICONE 195 - 201				0			
								No core recovered.							
210								QUARTZ FELDSPAR PORPHYRY 201 -							
								1" pebble gauge.							
								1/2" size of Py.							
								10" gauge for 4"							
								1/2" Py. w/ 1/2" gravel. Contains 2 min. (?)							
215															
220															
225															
230															
235															
240															

1/2" med. iron.

Py - Mn - (Cpy) - Tr. Mn.

6" med. size gravel.
of clays. + Tr. Cpy - Mn
1/2" Carb.

2 gr. med. dk. grayish gm, w/ 10-20% grayish white opaque gls cpx, up to Bmm, 20-50% anhedral fspcr in light grayish gray matrix. In some textures characteristic feature is anhedral, dk gm chld grains (clings?), comprising 4-50% of rock, w/ gls cpx present as before. Chlorite may be after fspcr phenos or poss. after lapilli frags. (Could be looking at hybrid texture of QzP x lapilli frags). Other sections contain coarse blk, dk. gm in contact w/ Mn - Traces Cpy & Mn disc. Chlorite dom. Mn. Minor sil as w/ and in gm. Clays associated w/ stringer gls lining and w/ minor faults. Py disc., as ff., and in gls ms.

* V. f. gls disc. & sulphides. Tarnished Py or Cpy?

2nd. set. gls gravel on Py ff.

118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240

NORML

51226
51227
51228
51229

51
70
79
83

HOLE NO. *EC-123*

PROJECT:

PAGE NO: *2* OF *6*

COLLAR ELEV:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *BVB*

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT
	SiO ₂	SERPENTINE	CLAYS											
240							w/ 1' broken core. w/ lg.			242	100		240	
									3	245	61		51230	80
										248	58		250	
250							248.5-248 Broken core.							
							250-255 Fault zone. Consists of several gouge zones, 1/2" - 1", w/ interlocking & strongly fractured and bed. Includes 6" qtz var. @ 251 @ 50 w/ lg as it cut dis.		1 1/2	255	75		51231	82
260							w/ lg.						260	
							270-300 Fine & chert alternate w/ zones of lignite - 2' var and chert. Increase in quartz vining. Also increase 2" qtz (sarcosite) in gm. (p) assist w/ chert chertite.		1 1/2	265.5	88		51232	86
270							1" pebble gouge. 1/2" 2" gouge w/ bed. qtz. 5' 2" qtz.				84		270	
							274-275 Broken core w/ minor gouge @ 50' ca.		2 1/2	276			51233	88
280										279	100		280	
							Minor fault.							
							281-285 Same soft and bed. fault. Includes bed qtz var.		3	284.5	71		51234	75
										288.5	53		290	
290							1/2" w/ TO. Na2S Andesite dike @ 50'							
							2" pebble gouge. 1/2" w/ lg.			294	82		51235	80
							@ 290 6" dike, light, dk. gm in colour Heavy gm Sericite + fine 2" qtz throughout. Strong Mt dis. 10% Minor Gp disse.		1 1/2	297	75		300	
300							MT + (Gp) assist w/ qtz vining.							

HOLE NO. *EC-123*

PROJECT:

PAGE NO: *6* OF *6*

COLLAR ELEV:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY: *BLB.*

SECTION	ALTERATION				FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.		
	SK #	SER #	CHAS	PROP #													
480								<p><u>QUARTZ FELDSPAR PORPHYRY - CONT'D.</u></p> <p>480-531 locally, 3rd. streaking of fspars.</p>						480			
490									1 1/2	487	98			490	51254	97	
500									1 1/2	497	97			500	51255	97	
510									1	507	98			510	51256	99	
520									1 1/2	517	100			520	51257	97	
530									1 1/2	527	91			530	51258	77	
									531	54			531				
								END OF HOLE @ 531'									

HOLE NO. EC-124

PROJECT: Expo

PAGE NO: 2 OF 4

COLLAR ELEV:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	
	Propylitic	Argillic	Siliceous												
120							→ Probably fault No core for 2'				67		122		
							Minor Ep of fractures		1	124	100		124		
							DK Gray inclusions fine grained			128	42		128	51261	61
							103-180' Oxidation evident on fractures (limonite) min Mn oxides			133	53		133	130	
							Poor Recovery		1	134	100		134	51262	59
							1" shear clay with limonitic			137	75		137	51263	
							149-165' Badly fractured rock, poor core recovery			142	37		142	51264	45
									1	145	100		145	51265	68
										146	100		146	51266	
										149	63		149	51267	
										154	60		154	51268	
									1	157	33		157	51269	
										158.5	33		158.5	51270	
										161.5	34		161.5	51271	
										162.5			162.5	51272	
										164.5	27		164.5	51273	
										165	27		165	51274	
										168	75		168	51275	
										170	42		170	51276	
										172	57		172	51277	
										175	34		175	51278	
									1/2	170	70		170	51279	
										172.5	57		172.5	51280	

HOLE NO. EC-124

PROJECT: Expo

PAGE NO: 3 OF 4

COLLAR ELEV:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.
	Amphibolitic	Argillitic	Siliceous											
180										181	33		180	
										183	42			
							Qtz Chl Veining minor py		1 1/2	186	89		51267	88
170				Mod						189.5	100		51268	
									2	179			51269	63
				Strong			Clay Sil Gouge zone 4' wide 5% py			201.5	38			
200										203.5	72		51270	86
				Py					3	208	93		51271	
210				Mod			6" qu.			213	100		51272	84
									3	217	94			
220				Strong			Clay Sil Gouge Zone 3' wide 5% py			221	54		51273	
										224	87			
									2	226	75		51274	84
230				Mod			Ep. on fracture			231.5	91			
									5	237	38		51275	38
				Strong			Gouge Zone Sil Clay Altd Rock 5% py				12			

HOLE NO. EC-124

PROJECT: Expo

PAGE NO: 4 OF 4

COLLAR ELEV:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES:

N.

E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

SECTION	ALTERATION			FRACTURING	MINERAL	GEOLOGY	COMMENTS:	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE
	Propylitic	Argillic	Silice									
240							TO 242'		10%		12	
250							Hole abandoned due to squeezing and no mud return					



LEGEND

EC-14 - Diamond drill hole drilled during the period Sept 27 - Oct 31, 1976. Shows azimuth, dip, and total depth.
 TO 242'

SYMBOLS

Transit Survey, Hubs
 Picket Line, Showing line and station designation
 Unurveyed Claim Boundary, showing claim number and claim post
 Diamond Drill Hole
 Drilled prior to 1976

6184-M-1

A-1	A-2	A-3	A-4	A-5	A-6	A-7	A-8	A-9	A-10	A-11
B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11
C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9	C-10	C-11
D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10	D-11
E-1	E-2	E-3	E-4	E-5	E-6	E-7	E-8	E-9	E-10	E-11
F-1	F-2	F-3	F-4	F-5	F-6	F-7	F-8	F-9	F-10	F-11
G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	G-10	G-11
H-1	H-2	H-3	H-4	H-5	H-6	H-7	H-8	H-9	H-10	H-11

TO ACCOMPANY DRILLING
 REPORT ON EXPO GROUPS 1 to 3
 BY B. BOMEN
 SEPT. TO OCT. 1976

UTAH CONSTRUCTION & MINING CO.
 MINERAL EXPLORATION & DEVELOPMENT DEPARTMENT

**DIAMOND DRILL HOLE
 LOCATION PLAN**

MINERAL RESOURCES BRANCH
 REPORT
 MAP
 D-6

Work by: *BB* Date: *Feb 1977* MTS: *447*
 Drawn by: *BB* Revised: _____ MAP: _____
 200 100 0 200 300 400 500 600
 SCALE IN FEET