MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE Contract No. _____ Docket No. 6701

Application
- [ ] Denied
- [x] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [x] Owner's Consent to Lien and Subordination Agreement - 1 cy
- [x] Application and Attachments amended 3/11/71

Right Side

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semiannual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam. Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports
- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

Right Side

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with Transmittal, Narrative and Maps

Folders No. _____: Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty Material

72195-65

MME Form 40
(Revised Nov. 68)

Budget Bureau No. 42-R1368
Approval expires Dec. 1971

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAR 16 1971
O. M. E.
SPOKANE, WASH.

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85—701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

Century Explorations, Inc.
318 Medical-Dental Building
Everett, Washington 98201

MAR 18 1971
INITIALS | CODE

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6701

DATE RECEIVED

REGION

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [ ]
- CORPORATION [X]
- PARTNERSHIP [ ]
- OTHER *(Specify)* [ ]

STATE IN WHICH FIRM IS ORGANIZED: Washington

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Leonard N. Udell	1073 Groveland, Vancouver, B.C.	President/ Director
Mathew D. Griffin	3611 Tulalip, Everett, Wa. 98201	Sec.-Treas.

Revised Application

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Copper Molybdenum-tungstun

ESTIMATED COST OF PROJECT: $79,400.00

PROPERTY NAME	LOCATION COUNTY	STATE
Sunrise Prospect Sultan Basin	Snohomish	Washington

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. II). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Department of the Interior, U.S. Geological Survey, Office of Minerals Exploration, Washington, D. C., 20242, or with the nearest OME Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

3-11-71
DATED

BY *(Signature)*

TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense.
U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include (1) true copies of your letters to credit sources which show date of loan request, amount and terms requested, and proposed use of loan funds and (2) true copies of replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements signed by owner on MME Form 52. If the agreements cannot be obtained, state reasons and whether you can furnish a performance bond.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a)

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) If you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates. State your reasons for expecting to find ore.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property state name, address, and telephone number of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work*. Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs for time and materials *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and price of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i. e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

MEMORANDUM OF PARTICULARS

CENTURY EXPLORATIONS, INC.

Century Explorations, Inc. hereby makes application for a loan to defray the cost of a program of mineral explorations, such program to be conducted in accordance with the recommendations and report of Cannon-Hicks Associates Ltd. dated September 1970, a copy of which accompanies and forms part of this application.

The applicant is a corporation organized and existing under the laws of the State of Washington. Century Explorations, Inc. is a wholly owned subsiduary of BrenMac Mines Ltd. (N.P.L.), which is a British Columbia corporation and constituted as a public company and posted for trading on the Vancouver Stock Exchange. All operations which have been conducted on the property to date have been financed by advances of funds from BrenMac Mines Ltd.

For your information, we enclose a copy of the Option to Purchase through which the Company has the right to conduct operations on this property. Century Explorations, Inc. has been recorded in the Auditor's office as the holder of this Option.

Brenmac!

geologists • geochemists • analysts • assayers

BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.

Phone 988-5315

CERTIFICATE OF ASSAY

PROJECT NO.: REPORTS A20 - 403, A20 - 475

Report No.: A20 - 798
Samples Rec'd: November 6, 1970
Results Completed: November 12, 1970

TO Brenmac Mines Ltd.
1480 Pemberton St.,
North Vancouver, B.C. Att: Mr. L.N. Udell

I hereby certify that the following are the results of assays made by us upon the herein described Pulp and Composite samples.

MARKED		GOLD		SILVER	WO_3	DDC-3						TOTAL VALUE PER TON (2000 LBS.)
		Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
Pulps	9365-9369	.005		.03	.03	130-180						
posites	9370-9374	.005		.10	trace	180-230						
	9375-9379	.005		.04	trace	230-280						
	9380-9384	.005		.06	.02	280-330						
	9385-9389	trace		.04	.01	330-380						
	9390-9394	.005		.02	.05	380-430						
	9395-9399	.005		.02	.12	430-480						
	9400-9404	.02		.03	.06	480-530						
	9405-9409	.005		.04	1.04	530-580						
	9410-9414	.005		.06	.06	580-630						
	9415-9419	.005		.02	.04	630-680						

NOTE:
Rejects retained two weeks
Pulps re[illegible]d three months
unless ot[illegible]vise arranged.

Gold & Silver values reported on these sheets have not been adjusted to compensate loses and gains inherent in fire assay methods.

Gold calculated at $.....per oun[illegible]

Peter Kempe

Registered Assayer, Province of British Columbia

March 9, 1971

Bank of Everett
Main Branch
Everett, Washington 98201

Dear Sirs:

Century Explorations, Inc., a State of Washington company, is a wholly owned subsiduary of BrenMac Mines Ltd. (N.P.L.), a British Columbia public company posted for trading on the Vancouver Stock Exchange. Century Explorations, Inc. has for some time now been exploring a mineral prospect in Snohomish County in the State of Washington and now proposes in accordance with a report of its consulting engineers, Cannon-Hicks Associates Ltd., to conduct a further program on this property consisting of the following matters:

Diamond Drill Program		
Mobilization	$ 3,000.00	
Drilling at $10 50/ft	31,500.00	
Assaying	4,500.00	
		$ 39,000.00
Metallurgical investigations		5,000.00
On site supervision and expediting		15,000.00
Vancouver office expenses		2,000.00
Fees		750.00
		$ 67,250.00
Contingencies at 20%		13,450.00
Study of Mining Methods and Development of Preliminary Mining Costs		15,000.00
Contingencies at 20%		3,000.00
Total -		$ 79,700.00

Accordingly, application is hereby made for a loan from your bank in the amount of $39,850.00 being one-half of the outlined program. We would be glad to supply what further information you may require in this matter.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:kg

March 9, 1971

Everett Trust & Savings Bank
Main Branch
Everett, Washington 98201

Dear Sirs:

Century Explorations, Inc., a State of Washington company, is a wholly owned subsiduary of BrenMac Mines Ltd. (N.P.L.), a British Columbia public company posted for trading on the Vancouver Stock Exchange. Century Explorations, Inc. has for some time now been exploring a mineral prospect in Snohomish County in the State of Washington and now proposes in accordance with a report of its consulting engineers, Cannon-Hicks Associates Ltd., to conduct a further program on this property consisting of the following matters:

Diamond Drill Program

Mobilization	$ 3,000.00	
Drilling at $10 50/ft	31,500.00	
Assaying	4,500.00	
		$ 39,000.00
Metallurgical investigations		5,000.00
On site supervision and expediting		15,000.00
Vancouver office expenses		2,000.00
Fees		750.00
		$ 67,250.00
Contingencies at 20%		13,450.00
Study of Mining Methods and Development of Preliminary Mining Costs		15,000.00
Contingencies at 20%		3,000.00
Total -		$ 79,700.00

Accordingly, application is hereby made for a loan from your bank in the amount of $39,850.00 being one-half of the outlined program. We would be glad to supply what further information you may require in this matter.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:kg

BANK OF EVERETT
EVERETT, WASHINGTON

March 9, 1971

Griffin & Bortner
Attorneys at Law
318 Medical Dental Bldg.
Everett, Washington 98201

Attention: Mr. Mathew D. Griffin

Dear Sir:

Thank you for referring Century Explorations, Inc. to us for loan consideration. After reviewing the proposal, we regret we are unable to accomodate this company at this time due to the speculative nature of the business.

Yours very truly,

Grover G. Ahmann
Senior Vice President

GGA:jb

EVERETT TRUST BANK
Administrative Offices

R. H. GORMAN
Vice President

March 9, 1971

Mr. James W. Bortner, Jr.
Law Offices of
Griffin & Bortner
318 Medical Dental Building
Everett, Washington 98201

Dear Mr. Bortner:

I am writing in response to your request for financing to Century Explorations, Inc., as outlined in your letter of March 9, 1971.

After reviewing your application for credit, we are sorry to inform you we are not in a position to honor your request.

Sincerely,

R. H. Gorman

Vice President

RHG:ljl

CANNON-HICKS ASSOCIATES LTD.

D. M. CANNON, P.Eng. (Geological)
H. BRODIE HICKS, P.Eng. (Mining)
M. GUIGUET, Geologist

E. 713 - 744 WEST HASTINGS STREET, VANCOUVER 1, B.C.

TELEPHONE: 685-0181

December 29, 1970

Mr. L. Udell
BrenMac Mines Ltd.
1480 Pemberton Avenue
North Vancouver, B.C.

Dear Mr. Udell:

Confirming the discussion of Monday, December 21, 1970, it is our opinion that the Sunrise ore body of Century Explorations Inc. has the potential to support a profitable mining operation if the price of copper returns to 60¢ per pound or more and the price of molybdenum does not drop below its present level of $1.72 per pound. This opinion concerning the deposit is strengthened because of the presence of a persistant but uncalculable tungstic oxide content which may add a substantial credit to operating income.

However, before our opinion can be fully documented by tests and cost figures additional investigation is required as follows:

(a) In our previous estimates, we have included in the Ore Reserves a total of 20,485,972 tons as being Geologically Inferred with the same grade as the mineralization above it. However, there is some drill evidence (D.D. Holes C-2, C-3, C-4) and historical data from other similar properties to suggest the possibility of better values as the mineralized breccia zone approaches the intrusive which lies to the east and probably below the mineralized block that has been recently tested.

Our proposal includes a drill programme of at least two additional, and possibly three, inclined holes to a minimum depth of 1000 feet below the existing 3000 adit level to test the above possibility. The three holes as laid out are designed to reach the 2000 foot horizon at or near the hangingwall and footwall contacts of the breccia zone but provision has been made for additional drill footage if our downward projections are not exact.

The estimated cost is 3700 feet @ 10/ft = $37,000.

(b) Previous metallurgical investigations have been very cursory. In our opinion further tests are essential, particularly in view of the probable tungstic oxide credit. Pilot mill scale tests would be preferrable but if the sampling is carefully done, it should be possible to obtain usable data from bench scale tests.

Our proposal includes such metallurgical work as can be done conveniently in the Vancouver laboratories of Britton Research Ltd.

The estimated cost is $5,000.00

(c) In our previous report, operating costs of $ 3.25 per ton and capital cost of $3,000.00 per ton of capacity were used. There figures, although they are considered to be realistic are based on incomplete data and require substantiation with more comprehensive investigations of mining and milling methods, equipment costs and construction costs.

Our proposal includes the additional study that is required which will consist of the necessary inspection of other operations of similar nature, the costing and availability of equipment, a recommended mining method with preliminary drawings and a suggested preliminary flow sheet.

The estimated cost is $15,000.00.

(d) In our opinion, any mining method that may be envisaged will include a long adit from the Stilaguamish River valley and a plant site in that valley. It is therefore essential that an accurate survey be available for planning purposes.

Our proposal would include such a survey to be completed after the other parts of the study have indicated the general viability of the project.

The estimated cost is $15,000.00.

The time required to complete the study is basically dependent on production from the diamond drill crew. For our purposes, it is assumed to be three months and costs are estimated accordingly.

Estimated Costs

(a)	Diamond drilling (3000 feet @10)	$ 37,000
(b)	Metallurgical testing	5,000
(c)	Mining methods	15,000
		$ 57,000
	Contingencies @ 20%	11,400
		$ 68,400
(d)	Survey	15,000
		83,400
	SAY	$ 85,000

Further to our proposal regarding a Preliminary Feasibility Study of the Sunrise Project, I enclose a sketch showing the three proposed diamond drill holes. The holes should be drilled in the noted sequence which leaves an opportunity for modification of the programme as results are received.

Holes A and B are considered to be essential to the programme but if results from these should prove to be negative, Hole "C" can be omitted.

Yours very truly,

CANNON-HICKS ASSOCIATES LTD.

D. M. CANNON, P.ENG.

DMC/lce

Enclosure

ITEM NO. 4 ---- ACCESSIBILITY OF PROPERTY

(a) MATHEW D. GRIFFIN
318 Medical-Dental Building
Everett, Washington 98201
Telephone: 259-0107
259-6367

LEONARD N. UDELL
1073 Groveland
Vancouver, B.C.
Canada
Telephone: 604-985-9158
604-922-4660

(b) Twenty-four (24) miles to the Sultan Railhead, Sultan, Washington

CANNON-HICKS ASSOCIATES LTD.
SUITE 713-744 WEST HASTINGS ST.
VANCOUVER 1, B.C.

SUMMARY

OF REPORT PREPARED ON

THE SUNRISE PROJECT,

BRENMAC MINES LTD.

SNOHOMISH COUNTY,

STATE OF WASHINGTON

U.S.A.

SUBMITTED BY

D.M. CANNON, P.ENG.

FEBRUARY 18, 1971.

CH

INTRODUCTION:

The following is a summary of the results of the exploration programme completed in 1970 and described in detail in the Report prepared by Cannon-Hicks Associates Ltd. in September, 1970. The work proposals contained herein are to be considered as a preface to the work that will be required for a full Feasibility Study.

CONCLUSIONS:

In our opinion the mineralization contained in the Sunrise breccia zone has the potential to support a profitable mining operation, if the price of copper returns to the 60¢ per pound range and the price of molybdenum remains at its present level of $1.72 per pound or, alternatively, if the tungstic oxide content in the deposit can be proven to have a recoverable range of 0.6 to 0.8 pounds per ton.

The mineralized stock that is located about 4 miles to the south of the Sunrise deposit is believed to warrant more detailed investigation although it has not yet been examined by the writer.

The possibility of there being additional worthwhile mineralization is considered to be good. Geochemical sampling on and near the creek bottoms has disclosed anomalous metal values in several areas that are untested as yet.

RECOMMENDATIONS:

Before our opinion concerning the Sunshine deposit can be fully documented with test data and cost estimates, additional investigation and study is required as follows:

(a) Diamond drill a minimum of two inclined holes to a vertical depth of at least 1,000 feet below the existing 3000 Adit. Three holes have been laid out on the attached plan and should be drilled in the sequence noted. If A and B are negative, C should not be drilled.

In our previous estimates, a total of 49,502,000 tons of material grading: Copper 0.36%, MoS_2 0.03% are prognosticated to the 2,000 foot horizon. Included in this total are 32,656,000 tons that are categorized as "Inferred Ore" with a grade equal to the overall average. However, the grade of the mineralization intersections in D.D. Holes C-2, C-3 and C-4 and the historical evidence from other similar deposits, when considered together, suggest the possibility of there being better grade material as the intrusive contact to the east and below the breccia zone is approached. Holes A and B are designed to test this possibility. Hole C is designed to provide further evidence, if such is required.

An estimated minimum of 3,000 feet of drilling will be required.

(b) Previous metallurgical investigations have been very cursory. In our opinion, further tests are essential, particularly in view of the probable tungstic oxide credit. Pilot mill scale tests would be preferable, but if the sampling is carefully done, it should be possible to obtain usuable data from bench scale tests.

Our proposal includes such metallurgical work as can be done conveniently in the Vancouver laboratories of Britton Research Ltd.

(c) In our previous report, operating costs of $3.25 per ton and capital cost of $3,000.00 per ton of capacity were used. These figures, although they are considered to be realistic are based on incomplete data and require substantiation with more comprehensive investigations of mining and milling methods, equipment costs and construction costs.

Our proposal includes the additional study that is required, which will consist of the necessary inspection of other operations of similar nature, the costing and availability of equipment, a recommended mining method with preliminary drawings and a suggested preliminary flow sheet.

The above programme should provide enough data to determine whether or not a detailed feasibility study is justified immediately, or whether postponement is advisable. In the event that it is undertaken, the following tentative programme is suggested.

(A) Complete diamond drill holes A and B and analyse the results to determine the necessity of hole C.

Complete the bench scale metallurgical tests and analyse results to determine whether more bench work or a pilot mill scale test is required.

(B) Complete the study on mining methods.

(C) Complete plant engineering with preliminary flow sheet and tentative costing of equipment and construction.

ESTIMATED COSTS:

The following cost estimate includes all on the property charges, plus property payment and Vancouver office charges, as reported by the management of the Company:

ESTIMATED COSTS:

(A)	(1)	Property Payment		$19,000.00
	(2)	Diamond Drill Programme		
		Mobilization	$3,000.00	
		Drilling @ $10.50/ft.	31,500.00	
		Assaying	4,500.00	39,000.00
	(3)	Metallurgical Investigations		5,000.00
	(4)	On site supervision & expediting		15,000.00
	(5)	Vancouver office expenses		2,000.00
	(6)	Fees		750.00
				$67,250.00
		Contingencies @ 20%		13,450.00
		TOTAL A -		$80,700.00
(B)		Study of Mining Methods and Development of Preliminary Mining Costs		15,000.00
		Contingencies @ 20%		3,000.00
				$18,000.00
		Total A and B -		$98,700.00
(C)		Preliminary Feasibility Study		$100,000.00
		TOTAL A & B & C -		$198,700.00
		Say,		$200,000.00

Note: 1) The estimates for B and C do not make any provision for Head Office costs, property payments or legal fees. These will continue and funds should be provided for them.

2) If the preliminary feasibility study indicates that a profitable operation can be maintained, final plans and construction drawings with cost quotations and delivery dates would be prepared so that an estimate of total capital cost and date of commencement of production can be submitted.

ADDITIONAL PROSPECTS:

In addition to the Sunrise property, BrenMac controls properties on which other mineralized zones are reported to occur. None of these have been examined by the writer, but they are well described by the late Dr. A.C. Skerl, whose opinion is accepted pending an examination.

The most important of these is a "Mineralized Stock" with dimensions of 1400 x 1100 feet. Preliminary prospect drilling suggests that a grade of 0.30 to 0.40% copper, 0.025 to 0.035% molybdenite and about 0.15 oz. per ton of silver may be obtainable. Much additional exploration of this deposit is required.

The Sultan King deposits and Sultan Basin mine, show no evidence at the present time that they will influence production decisions regarding the Sunrise property.

Immediately to the south of the main Sunrise breccia zone, there are two N70°E trending zones of more intense parallel fractures. Coincident with the increase in fracturing, is an increase in quartz and sulphide mineralization. Although currently indicated values are sub-ore grade, additional exploration is warranted.

COMMENT:

The Sunrise deposit is one of several areas of sulphide mineralization that are "Beaded" along a generally north-northwesterly trending line which vaguely parallels the westerly slope of the coastal mountains of western Washington. Although these deposits have had superficial investigation for many years, the BrenMac Sunrise Project is the first determined effort to develop a volume of ore reserves of sufficient magnitude to justify exploitation on a major scale. It is our opinion that results to date have been successful although they are not final. The additional work that has been proposed will provide the necessary data for finalizing opinions.

Respectfully submitted,

D.M. CANNON, P.ENG.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D. M. CANNON

:mdc.

CANNON-HICKS ASSOCIATES LTD.
SUITE 713-744 WEST HASTINGS ST.
VANCOUVER 1, B.C.

PRELIMINARY STUDY

OF

SUNRISE PROJECT

BRENMAC MINES LTD.

SNOHOMISH COUNTY,

STATE OF WASHINGTON

U.S.A.

BY

CANNON-HICKS ASSOCIATES LTD.

SEPTEMBER, 1970.

TABLE OF CONTENTS

	Page No.
PART 'A'	
INTRODUCTION	1
SUMMARY	1 - 3
RECOMMENDATIONS	4 - 6
ESTIMATED COST	7 & 8
PART 'B'	
INTRODUCTION	9 - 11
WORK PERFORMED	12 - 15
SAMPLING	15 - 18
ASSAYS	18
COSTS	18 & 19
GEOLOGY	20 - 23
THEORETICAL CONSIDERATIONS	23 & 24
MINERALIZATION	24 - 26
OPERATING AND CAPITAL COSTS	27 & 29
ORE RESERVES	30 - 36
SERVICES	37
ECONOMIC ASSESSMENT	38 & 49
CONCLUSIONS AND GENERAL COMMENT	50
CANNON-HICKS ASSOCIATES DRILL LOGS	APPENDIX I
MAPS	APPENDIX II
ASSAY CERTIFICATES	APPENDIX III
CENTURY EXPLORATION DRILL LOGS	APPENDIX IV

PART 'A'

INTRODUCTION:

The Sunrise Property of BrenMac Mines Ltd. has been tested by a gradually accelerated exploration programme that was commenced in 1967 under the direction of the late Dr. A.C. Skerl. In early 1970, the firm of Cannon-Hicks Associates Ltd. was commissioned to supervise the work already in progress as well as plan and direct any future work. Since April 1, 1970, Mr. K.G. Sanders, P.Eng. has provided property supervision with senior direction being provided by Mr. H. Brodie Hicks, P.Eng. and the writer. During this period, all legal, financial and political problems were handled by Mr. L. Udell, President of BrenMac Mines Ltd.

SUMMARY:

The work done to date has indicated a breccia zone containing chalcopyrite-molybdenite-scheelite mineralization that is associated with pyrrhotite and intense silicification. The zone is elliptical and has surface dimensions of 600 feet by 200 feet. It has been traced to a depth of 2,000 feet below the surface. Lateral development and horizontal drilling at the 3,000 foot horizon (1500 feet below the surface outcrop) indicate that the dimensions have increased to a maximum of 1,000 feet by 400 feet with an approximate area of

280,000 square feet. Not enough work has been done to determine whether the apparent increase in area continues below the 3,000 foot level.

Diamond drilling from the surface and underground, through a vertical range of 2,000 feet has been insufficient to establish authoritative grades. A weighted average of all recent drill holes suggests that copper and molybdenite values will be in the range of 0.35 to 0.40% Cu. and 0.03% MoS_2. Additional values of 0.005 oz/ton Gold and 0.04% WO_3 are indicated from the assays of composites of selected samples. Detailed sampling and assaying of diamond drill core and development muck indicates that there may be sections of the zone that are higher grade than the average of the body as a whole.

The deposit is considered to be a typical breccia pipe, probably caused by the collapse of the sediments that had been arched by the injection of the diorite which subsequently shrunk. Details of the geology are discussed more thoroughly below.

There has not been enough research into mining, metallurgical and ancillary costs to determine the grade of material that will be required to constitute "Ore". The following figures are therefore confined to estimates of tons and grades of material without any attempt being made to categorize them as far as profitability is concerned.

(a) There is no tonnage of a specific grade of material that can be considered to be proven.

(b) Indicated by diamond drill holes and lateral work underground are:

16,846,000 tons with an average estimated grade of 0.36% Copper, 0.03% MoS_2. Incomplete assaying indicates a gold and tungstic oxide content of 0.005 ounces per ton and 0.04% WO_3 respectively.

By geological inference, giving full consideration to the strength of the zone and the contained mineralization, an addition of 32,656,000 tons with the same grade can be estimated.

Included in the above figures are higher grade sections. The aggregate tonnage and grade cannot be estimated from available data.

PART 'B' - Section 1

INTRODUCTION:

In accordance with instructions from Mr. L. Udell, President of BrenMac Mines Ltd., the firm of Cannon-Hicks Associates Ltd. have prepared the following report which is a compilation of results and opinions arising from these results at the Sunrise Project of Century Explorations Inc., a wholly owned subsidiary of BrenMac Mines Ltd.

In view of a lack of data in significant areas certain assumptions have been necessary. Because of this, the report cannot be construed as a feasibility study. However, it does define the probabilities and the possibilities concerning mineralization, capital costs and operating costs and gives estimated cash flows with various combinations of grades, recoveries, prices, operating costs and capital costs.

The report can be considered as preliminary to a full feasibility study which could be undertaken on the completion of the recommended work.

Title

This report is concerned only with the Sultan Basin portion of the BrenMac holdings. The Sultan Basin portion is comprised of 16 staked claims, four of them held by right of option and 12 of them by staking. The claims are

surrounded by a group of staked mineral leases which in the Sultan Basin area total approximately four sections, or 2520 acres.

In addition to the above, BrenMac holds approximately 15 sections in the general area.

Location and Access

The property is located in the Snoqualmie National Forest at a point approximately 24 miles from the village of Sultan. Sultan can be reached via black top highway by travelling from Vancouver on the main No.5 highway as far as the City of Everett. At Everett it is necessary to branch east on Highway No.2 to the community of Sultan, a distance of 24 miles. From Sultan there is a black top road for a distance of 9 miles and thereafter good grade gravel road.

History

The Sultan Basin property has had a long history of prospecting and modest production by individual operators. It was acquired by Century Explorations Inc., a subsidiary of BrenMac Mines Ltd. in 1966 or 1967. After its acquisition by Century, the work was under the direction of the late Dr. A. Skerl. After his death, Dr. W. Bacon provided occasional advice concerning the additional development of

the property for a few months. Since April 1970 the work has been directed by Cannon-Hicks Associates Ltd.

It is understood that some time prior to the BrenMac acquisition the property had a fairly extensive examination by Kennecott Mines Ltd. and was not recommended for further work. No report of this examination is available.

PART 'B' - Section 2 - Development

WORK PERFORMED:

Geological Mapping

The area around and including Sultan Basin was mapped in 1943 and 1944 by A.K. Guard and Ward Carithers on behalf of the United States Geological Survey.

Additional detailed surface mapping was done in 1966 and 1967 by the late Dr. A.C. Skerl on behalf of Century Explorations Inc., a subsidiary of BrenMac Mines Ltd.

Underground mapping has been done by W.R. Bacon, Bacon and Crowhurst Ltd. and K.G. Sanders, M. Guiguet, and the writer, Cannon-Hicks Associates Ltd.

Copies of all geological maps are enclosed herewith.

Geophysical and Geochemical Surveys

There is no record of geophysical investigations having been made. A restricted stream silt sampling programme was completed under the direction of Dr. A.C. Skerl, but the results are not at hand. Dr. Skerl has commented as follows:

"A large number of geochemical samples has been taken systematically along the main valleys in the area and assayed for copper and molybdenite. A number of

interesting anomalies have been indicated most of which have still to be followed up by detailed prospecting of the rock outcrops higher up the slopes.

In one case the company's prospector has already found some diorite well mineralized with molybdenite in the cliff high above a geochemical anomaly near the floor of the valley below."

Drilling

Diamond Drilling

A total of approximately 16774 feet of diamond drilling has been done from surface and underground stations as follows:

	Approx. Total Footage	Core Size	Comment
Surface	7008	Bq wl	
Underground	3534.5	Bq wl	Flat holes in breccia zone to determine its boundaries.
	720	Bq wl	Flat to crosscut a series of parallel stringers away from breccia zone.
Underground	5512	Bq wl	Both up and down. Angle holes to test vertical continuity of brecciation and sulphide mineralization above and below 3000 level.

Logs of all drilling done by Century Explorations Inc. are included in Appendix IV.

All of the drilling was done using wireline equipment. Contractors were Rockland Drilling Co. for the surface drilling and Canadian Mine Services for the underground drilling.

Prior to the acquisition of the property by Century Explorations Ltd., approximately 1000 feet of surface diamond drilling was done by Malaspina Mining Co.

The locations of all drill holes are noted on the enclosed plans and sections.

Percussion

Two series of 8 foot long percussion holes were drilled into the east wall of the 3000 Adit for the purpose of sampling zones of low grade mineralization encountered in the adit.

A map showing the location of these holes is enclosed.

Surface Trenching

A minimal amount of surface trenching was done by early investigators. None has been done by Century Explorations Inc.

Underground Development

Underground drifting and crosscutting has been done at three elevations namely:

Elev. 4503	Crosscut	260 feet
	Drift	40 feet
Elev. 4311	No.2 Adit	34 feet
	No.3 Adit	56 feet
Elev. 3000	Adit	3468 feet
	H.W. Crosscuts	258 feet
	Crosscuts toward F.W.	918 feet
	H.W. Drift	427 feet
	Rse Crosscuts	80 feet
	D.D. Stations	6
	Raising	50 feet

SAMPLING:

Diamond Drill Cores

All diamond drill cores were sampled in the usual manner by splitting longitudinally, usually in 10 foot segments. One half of the split core was sent for assay and the remaining half core has been retained for reference.

Development Headings

Muck samples were collected from all development headings within the breccia zone as the work progressed. These were collected by taking a double handfull of muck from each corner and the centre of each car. The final sample weighed between 25 and 35 pounds.

Bulk Samples

As a check on the muck sampling, eleven bulk samples, comprised of all the muck from selected rounds, were taken. Before blasting, the heading was carefully cleaned to avoid any possibility of contamination and a floor laid down to catch all of the muck from the round to be blasted. After blasting the heading was again carefully mucked out and the floor cleaned. This muck was then trammed to the portal and dumped into a small bunker. From the bunker, it was trucked to a crusher where it was crushed to about 1/2 inch mesh. The crushed material was then split by passing it through a Jones Riffle several times until a sample of about 25 pounds was obtained.

Channel Sampling

Channel sampling was attempted across two zones of weak mineralization outside the brecciated area. Due to the excessively hard, tough nature of the hornfels, the method was found to be unsatisfactory and was discontinued.

Chip Sampling

Large Chip samples were also taken in these sections but the results are considered to be unreliable.

Percussion Drilling Cuttings

A series of percussion holes, eight feet long were drilled into the wall of the adit at an angle of about 30 degrees. The cuttings from these were collected and were sent to the assay office without splitting. This method is considered to be reasonably accurate if properly supervised.

Composite

Three composite samples were prepared from the crusher rejects of three groups of ten earlier samples. The ten used were selected so that the average of the previous copper assays would be in the range of:

(1) 0.30% to 0.40%

(2) 0.40% to 0.50%

(3) 0.50% to 0.60%

The composited material was then assayed for Gold, Silver, Copper, Molybdenum sulphide and Tungstic oxide.

Results

A comparison of the assay results of the bulk sampling and the muck sampling, indicates that the muck samples are representative of the grade of mineralization.

Comparison of drill core samples with muck samples suggest that the drill cores are slightly undergrade. Additional investigation is required to verify this indication.

The composite sample assays corroborated the calculated results of individual assays.

ASSAYS:

Virtually all samples have been assayed by Bondar-Clegg Laboratories in North Vancouver. Spot checks by this company suggest that the results can be used with confidence. As a further check alternating sample rejects from three selected sections have been sent for assay to Crest Laboratories, Vancouver and Union Assay Office, Salt Lake City, Utah.

All results are recorded on the enclosed plans and sections (S.A.P.1, U.A.P.1, U.A.P.2, S.A.S.1, S.A.S.2, S.A.S.3, S.A.S.4, U.A.S.1, U.A.S.2, U.A.S.3). Xeroxed copies of the assay sheets are included in Appendix III.

COSTS:

No attempt has been made to document the cost of exploration prior to the acquisition by Century Exploration

Inc. Since that time, unaudited expenditures can be segregated as follows:

Property acquisition	214,122
Geological Mapping, Surveys etc.	4,739
Diamond Drilling	198,809
Underground Development	305,994
Mobilization Charges	25,000
Surface Works - Roads, Buildings etc.	39,745
Sampling and Assaying	21,070
Equipment Purchases and Rentals and Operating Costs	31,506
Taxes and Levies	1,722
Supervision and Engineering	21,748
Vancouver Office Expense - Crew travel and sundry overhead and administration	74,991
Camp Operating and Supplies	15,665
Legal and Audit	14,259
TOTAL:	969,370

In addition to cash outlays there was a payment of approximately 285,000 shares of BrenMac Mines Ltd. as partial payment for development work and diamond drilling.

GEOLOGY:

The geology of Sultan Basin was mapped in 1943 and 1944 by A.K. Guard and Ward Carithers for the United States Geological Survey. The classification of type and age of rocks that was used in that work is continued in this report. A copy of the U.S.G.S. map is enclosed (S-1).

Regional Setting

Sultan Basin and the adjoining Stilaguamish River valley are underlain by an older and a younger series of metamorphosed sediments that have been intruded by a quartz diorite stock, a serpentinized peridotite dike and later dikes.

Valley floors are generally covered by glacial debris.

Rock Types

Old Sediments

The older sedimentary series has been age-dated as Paleozoic. It is comprised of well bedded, fine, dark brown to black hornfels that was probably originally argillite or sandstone. This formation outcrops over most of the Sultan River basin, and is intersected throughout all of the 3000 level.

Young Sediments

The younger sediments have been dated, tentatively, as Mesozoic in age. They are comprised of highly metamorphosed sandstone, argillite and conglomerate, which outcrop on the southwest side of the Stilaquamish River valley but appear to terminate on the divide between the Stilaquamish and Sultan rivers.

Quartz Diorite

Quartz diorite outcrops on the surface near the height of land between Sultan Basin and Stilaquamish Valley. It extends southerly and westerly to beyond the area under consideration. The rock is coarsely crystalline and is generally massive and poorly fractured.

Peridotite

Peridotite has been mapped as an elongate dike-like body that has no apparent influence on the Sunrise mineralized zone. The formation was not seen by the writer.

Structures

The most impressive structure in the area is the breccia zone that contains the sulphide mineralization of interest. This zone is elliptical in plan with a long axis of 600-1,000 ft. in a N20°W direction and the short axis of

200-400 ft. in a N70°E direction. The dip is variable but averages about 75° to the southwest. The northwestern end of the zone plunges at nearly 90° to the southeast. The southeast end of the zone has an apparent plunge of about 85° in the same direction. This attitude is largely attributable to a lengthening of the zone between the surface and the 3000 foot horizon.

Faults are prevalent throughout the area of investigation. In most cases they are small and strike and dip parallel to the old bedding planes. However, there is minor faulting with variable strikes and dips that can be found within as well as outside of the area of brecciation.

In the main breccia zone there is one strong persistant fault that strikes N60°E and dips steeply but variably to the southeast. This structure has a right hand offset of about 30 feet.

Bedding is easily discernible both on the surface and underground. In the mine area, the general strike is N60-65°E and dips average about 70° to the northwest. In many cases, narrow stringers of quartz and chalcopyrite follow the strike and dip of the bedding. On the surface, Dr. Skerl designated these areas of greater than average quartz veining as "Crossing Zones". Similar structures have been observed underground but are difficult to distinguish in the breccia zone.

Rock Alteration

Rock alteration is pervasive throughout the area. Most of the sediments have been intensely biotitized with an attendant but more variable degree of silicification. In the breccia zone the fragments show an increasing degree of sericitization and chloritization in proximity to the intrusive contact.

THEORETICAL CONSIDERATIONS:

Any postulations concerning the geology in general and ore genesis in particular at the Sunrise property must, of necessity, be considered with reservations. Nonetheless, as stated above, it is the opinion of the writer that the main zone of fragmentations, which contains the bulk of the economically interesting sulphide mineralization, is a typical breccia pipe. Further, it is believed that the brecciation occurred in the already highly metamorphosed and brittle sediments due to the injection of the diorite with a consequent arching or doming of the sediments. Subsequent contraction of the intrusive mass created a void into which the intruded rocks collapsed. The specific location of the intense fragmentation appears to have been controlled by a projecting nose of diorite with an adjoining coincident embayment. Neither of the latter features outcrop.

The final stage of mineralization occured with the flooding of the whole area by siliceous solutions which carried

with them varying quantities of copper, iron and molybdenum sulphides as well as sparse scheelite and calcium carbonate. This mineralization is pervasive throughout the area but the section of greatest concentration is the section of greatest fragmentation - the breccia zone.

By expanding the above theory, it is reasonable to expect that within the pipe there will be areas of more concentrated sulphide mineralization due to (a) a higher degree of fragmentation or (b) proximity to the source which, in this case, is probably the diorite.

Factual data is still scarce but there is a definite suggestion of better mineralization along the hangingwall fault and near the diorite-breccia contact. In the contact area the metamorphic effects are more apparent by the greater degree of sericitization and chloritization of the fragments.

MINERALIZATION:

Metallic mineralization is widespread and is usually in the form of sulphides that are associated with quartz stringers and veinlets.

In the breccia zone a massive inundation of quartz has recemented the brecciated fragments. Chalcopyrite, pyrrhotite, molybdenite and scheelite are scattered sporadically in bunches and crystal aggregates throughout the quartz and have also impregnated the fragments, as finely disseminated grains to some degree.

Metallic mineralization within the zone is erratic. Horizontal diamond drilling on the 3000 level has returned an average indicated grade of 0.353% copper and 0.024% MoS_2 over a total area of 288,232 square feet. Check sampling and assaying by drifting and crosscutting along three of the diamond drill holes, suggest that the above averages can be upgraded to some extent, possibly in the range of from 5% to 10%.

Also within the breccia zone, there are apparently zones of higher grade mineralization along the hanging and footwalls as well as near the northwestern end of the brecciation. The hangingwall concentration can be attributed to the rather vague fault zone that, in some places, defines the boundary of mineralization. The other areas of concentration are considered to be controlled by the proximity of the quartz diorite.

The grade of available tonnage can be increased by eliminating the lower grade sections but present data is not sufficient to permit confident selection.

In addition to the breccia type mineralization, there are stringers and veinlets of sulphide bearing quartz that generally follow the dip and strike of the bedding (Skerl's "Crossing Zones"). Chalcopyrite, pyrrhotite and very sparse molybdenite and scheelite, are again the chief metallic minerals. Some sections of this type of mineralization approach ore grade.

Occasional low grade disseminated chalcopyrite mineralization can be found in the quartz diorite but apart from the area in contact with the breccia, none of it is ore grade.

OPERATING AND CAPITAL COSTS:

The comparatively large tonnage and low grade of the deposit indicate that, if a satisfactory profit is to be won, a large-scale bulk mining method must be adopted. There are a number of possible approaches and a final decision cannot be reached until further information is available concerning the attitude of the deposit and the distribution of values. The following figures, therefore, must be considered as preliminary indications only of possible costs.

As developed on the 3,000-foot level, the deposit has an area of approximately 288,000 square feet, or about 24,000 tons per vertical foot. It decreases upward but possibly increases proportionately downward in area.

It appears probable that maximum daily tonnage which can be efficiently mined from the deposit will be of the order of 15,000 tons per day.

It is generally considered that block caving offers the lowest mining cost in situations where it is applicable. We have made a study of block caving in relation to the BrenMac deposit and conclude that development and mining costs would be at least $2.75 per ton. This can be bettered by other methods.

A number of Canadian operations are now making use of variations of sub-level, long-hole stoping methods and achieving costs of less than $2.00 per ton through intensive mechanization. We believe such methods to be applicable here and to have the advantage of greater selectivity than block caving thus possibly permitting better control of grade. A figure of $2.00 is adopted which should cover any unforeseen adverse conditions.

In the absence of definitive metallurgical data, estimates of mill costs must be of a general nature, but similar operations with a copper-molybdenum separation are achieving costs in the area of $0.80/ton.

Overhead is based on average Canadian figures.

In summary:

Mining	-	$2.00/ton
Milling	-	0.80
Overhead	-	0.40
		$3.20
	say,	$3.25

With respect to capital cost, an operation of this scale, served through vertical shafts, might be expected to

cost, over all, $3,000 per ton capacity, or $45,000,000. Some additional allowance may have to be made for the proposed tunnel entry, but an overall figure of $50,000,000 should be conservative.

Respectfully submitted,

H. BRODIE HICKS, P. ENG.

REGISTERED PROVINCE OF H. BRODIE HICKS BRITISH COLUMBIA ENGINEER

ORE RESERVES:

In view of the fact that insufficient research has been done to document operating costs, capital costs, taxes and other charges against any operation, it is not possible to predict the grade of mineralization that will be required to be profitable. The following estimates are therefore tonnages of mineralization rather than tonnages of ore as usually defined. Apart from grade, the normal parameters regarding catagorizing have been used.

Proven

For the purposes of this report, proven mineralization has either (a) been exposed on at least three sides (e.g., drifting, crosscutting and raising, or (b) systematically drilled on a standard pattern.

There is no mineralization in this category.

Indicated

Indicated mineralization is considered to be that which has been intersected by drill holes, surface trenches or underground works in sufficient detail to permit quantitative measurements to be made. In these calculations mineralized intersections have been projected for a distance of 50 feet on individual sections.

Plan area is prescribed according to the limits indicated by detailed drilling at the 3000 foot horizon and by outcrop mapping on the surface. Grade calculations are made by weighting the assay values according to the length of the sample, i.e. length of drill core or length of round.

Using these data there are: 16,846,000 tons containing 0.36% Cu. and 0.03% MoS_2.

Inferred

Inferred mineralization includes all material that can be inferred by reasonable projections according to known geology. In this report it has been assumed that there will be continuity from the upper diamond drill intersections to the surface and from the lowest diamond drill intersections to the 2000 foot horizon. Grades are assumed to be the same as are indicated from diamond drilling.

Using the data there are: 32,656,000 tons containing 0.36% Cu. and 0.03% MoS_2.

As stated above, three composite samples were prepared from material grading between:

(1) 0.30% and 0.40% copper

(2) 0.40% and 0.50% copper

(3) 0.50% and 0.60% copper

These samples were assayed with the following results:

	Au. oz/T	Ag. oz/T	Cu. %	MoS_2%	WO_3%
1.	.005	.02	0.37	0.036	0.04
2.	TR	TR	0.45	0.024	0.05
3.	.005	.02	0.56	0.042	0.07

It would be premature to calculate net values from the above figures but it is reasonable to assume that there will be important credits over and above the values contained in the copper and molybdenum.

BRENMAC

SUMMARY OF RESERVE CALCULATIONS

BY K. G. SANDERS, P. ENG. SEPT. 11, 1970

TOTAL OF INDICATED & INFERRED

(Using 0.435% Cu) in hole S-15

INFERRED	32,656,267	0.360% Cu.	0.030% MoS2
INDICATED	16,846,107	0.361% Cu.	0.030% MoS2
	49,502,374	0.360% Cu.	0.030% MoS2

TOTAL OF INDICATED & INFERRED

(Using 0.514% Cu) in hole S-15

INFERRED	32,656,267	0.368% Cu.	
INDICATED	16,502,374	0.370% Cu.	
	49,502,374	0.369% Cu.	0.030% MoS2

Respectfully submitted,

K. G. Sanders

K. G. SANDERS, P. Eng

BRENMAC

RE: TONNAGE & GRADE SUMMARY

SEPT. 11, 1970

INDICATED ORE

(Using 0.435% Cu. in Hole S-15)

	Tons	% Cu.	% MoS2
Section 15	4,644,943	0.366	0.025
Section 13	4,796,605	0.360	0.031
Section B	2,424,639	0.371	0.024
Section C	3,053,779	0.360	0.042
Section A	1,926,141	0.342	0.035
TOTAL	16,846,107 Tons	0.361% Cu.	0.030% MoS2

INDICATED ORE

(Using 0.514% Cu. in Hole S-15)

TOTAL	16,846,107 Tons	0.370% Cu.	0.030% MoS2

Respectfully submitted,

K. B. Sanders

INFERRED ORE ABOVE 3000' LEVEL

(Using 0.435% Cu. in Hole S-15)

	Tons	% Cu.	% MoS2
Section 15	2,159,050	0.366	0.025
Section 13	3,118,033	0.360	0.041
Section B	2,474,164	0.371	0.024
Section A	4,419,048	0.359	0.032
TOTAL	12,170,295 Tons	0.362% Cu.	0.031% MoS2

INFERRED ORE ABOVE 3000' LEVEL

(Using 0.514% Cu. in Hole S-15)

TOTAL	12,170,295 Tons	0.368% Cu.	0.031% MoS2

INFERRED ORE BELOW 3000' LEVEL TO 2000' LEVEL

(Using 0.435% Cu. in Hole S-15)

	Tons	% Cu.	% MoS2
Section 15	6,289,237	0.366	0.025
Section 13	6,277,322	0.361	0.022
Section C	3,720,718	0.360	0.042
Section A	4,198,695	0.342	0.035
TOTAL	20,485,972 Tons	0.368% Cu.	0.029% MoS2

INFERRED ORE BELOW 3000' LEVEL TO 2000' LEVEL

(Using 0.514% Cu. in Hole S-15)

TOTAL	20,485,972 Tons	0.368% Cu.	0.029%. MoS2

K. B. Sanders

K. G. SANDERS, P. Eng.

TOTAL INFERRED ORE

(Using 0.435% Cu. in Hole S-15)

Above 3000' Level	12,170,295	0.362	0.031
Below 3000' Level	20,485,972	0.358	0.029
	32,656,267 Tons	0.360% Cu.	0.030% MoS2

TOTAL INFERRED ORE

(Using 0.514% Cu. in Hole S-15)

Above 3000' Level	12,170,295	0.368	
Below 3000' Level	20,485,972	0.368	
	32,656,267 Tons	0.368% Cu.	0.030% MoS2

Respectfully submitted,

K. G. Sanders

K. G. SANDERS, P. Eng.

SERVICES:

Although present activities are centred in the Sultan River Basin, production problems within the watershed of the City of Everett would be great and operating costs correspondingly high. These facts have necessitated the selection of an alternative site for a mill and ancillary facilities in the valley of the Stilaquamish River about twentyfive miles from the village of Granite Falls.

This location has the advantage of tapping the zone at an approximate elevation of 2000 feet A.S.L. thereby avoiding the necessity of shaft sinking.

At this site there is an ample supply of available water and application has been made for enough to sustain a mill with a capacity of 10,000 tons per day.

The area is serviced with black-topped highway to within three miles of the site. A good gravel road extends for the remaining distance.

A high tension power line can be tapped at a point about three miles from Granite Falls.

At the present time, the economy of the Everett district is depressed due to slow down at the Boeing Aircraft plant. This has freed some of the labor force but it is doubtful that there are many men who would be adjustable to underground mine work.

PART 'B' - Section 7

ECONOMIC ASSESSMENT:

There are many questions remaining to be answered before an adequate economic assessment can be made. Capital costs have been arbitarily taken at a maximum of $50,000,000 and a minimum of $30,000,000, with one intermediate alternative. The upper figure is considered high when compared to similar plants in Canada. The lowest is a target to try and reach.

Operating costs have been calculated on the basis of experience as well as the achievements elsewhere. Further substantiation will be required, but the three figures selected are considered to be attainable.

Taxes and Assessments have not been investigated. For the purposes of this report it has been assumed that all capital costs can be written off before income taxes become payable. No provision has been made for local taxes but no credit has been given for possible government assistance.

On the basis of the above, the following cash flows and economic assessments have been made by Mr. R.D. Anthony, C.A.

TERMS OF REFERENCE

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

The cash flow schedules are based upon the following assumptions:

1. Ore

	Grade	Recovery	Values
Gold	0.005 oz/T	90%	$35.00/oz
Copper	7.00 lb/T	95%	$ 0.60/lb
MoS_2	0.60 lb/T	80%	$ 1.05/lb
WO_3	0.80 lb/T	65%	$ 2.00/lb

2. Production

   Based on production of 15,000 tons/day

3. Income Taxes

   Taxes at the rate of 50% applied to pretax profit less depreciation.

   Depreciation calculated to be equal to amount of capital repaid.

4. Interest Rate

   9% per annum. Interest on capital calculated on balance outstanding at the beginning of the year.

Respectfully submitted,

R.D. ANTHONY

INVESTMENT RETURN SUMMARY FOR BRENMAC MINES LTD.

		RETURN ON INVESTMENT			CAPITAL	TOTAL	PRESENT VALUE		
		Interest	Accumulated Cash x60%	Total			Funds Returned	Capital	Net Profit
Based on Capital Cost of:									
$50,000 Mill costs	$3.25/t	13,949	20,368	34,317	50,000	84,317	61,977	50,000	11,977
	3.00/t	12.620	24,816	37,436	50,000	87,436	62,981	50,000	12,981
	2.75/t	11,475	29,210	40,685	50,000	90,685	65,581	50,000	15,581
$40,000 Mill costs	$3.25/t	8,906	24,880	33,786	40,000	73,786	54,976	40,000	14,976
	3.00/t	8,133	29,162	37,295	40,000	77,295	55,981	40,000	15,981
	2.75/t	7,383	33,437	40,820	40,000	80,820	58,582	40,000	18,582
$30,000 Mill costs	$3,25/t	5,184	28,997	34,181	30,000	64,181	47,491	30,000	17,491
	3.00/t	4,809	33,160	37,969	30,000	67,969	48,983	30,000	18,983
	2.75/t	4,433	37,322	41,755	30,000	71,755	50,810	30,000	20,810

NOTE: In this calculation it has been assumed that the total capital cost with interest will be returnable out of first profits and that a 60% interest in all profits thereafter will be designated to the parties who supply the capital.

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

Year	Operating Profit	Interest	Pre-Tax Profit	Taxes	Net Income	Capital Repayment	Cash Flow	Accumulated Cash Flow	CAPITAL Begin-ning	CAPITAL Repay	CAPITAL End
1	13,184	3,600	9,584	-	9,584	9,584	-	-	40,000	9,584	30,416
2	13,184	2,737	10,447	-	10,447	10,447	-	-	30,416	10,447	19,969
3	13,184	1,797	11,387	-	11,387	11,387	-	-	19,969	11,387	8,582
4	13,184	772	12,412	1,915	10,497	8,582	1,915	1,915	8,582	8,582	-
5	13,184	-	13,184	6,592	6,592	-	6,592	8,507	-	-	-
6	13,184	-	13,184	6,592	6,592	-	6,592	15,099	-	-	-
7	13,184	-	13,184	6,592	6,592	-	6,592	21,691	-	-	-
8	13,184	-	13,184	6,592	6,592	-	6,592	28,283	-	-	-
9	13,184	-	13,184	6,592	6,592	-	6,592	34,875	-	-	-
10	13,184	-	13,184	6,592	6,592	-	6,592	41,467	-	-	-
	131,840	8,906	122,934	41,467	81,467	40,000	41,467			40,000	

Capital required $40,000,000

Interest rate 9%

Assumed operating cost 40/3.25

Operating Profit:	$/Ton
Revenue	5.6915
Mill Costs	3.2500
Profit	2.4415

Taxes - 50%

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

Year	Operating Profit	Interest	Pre-Tax Profit	Taxes	Net Income	Capital Repayment	Cash Flow	Accumulated Cash Flow	CAPITAL Begin-ning	CAPITAL Repay	CAPITAL End
1	13,184	4,500	8,684	-	8,684	8,684	-	-	50,000	8,684	41,316
2	13,184	3,718	9,466	-	9,466	9,466	-	-	41,316	9,466	31,850
3	13,184	2,867	10,317	-	10,317	10,317	-	-	31,850	10,317	21,533
4	13,184	1,938	11,246	-	11,246	11,246	-	-	21,533	11,246	10,287
5	13,184	926	12,258	985	6,592	10,287	-	986	10,287	10,287	-
6	13,184	-	13,184	6,592	6,592	-	6,592	7,578	-	-	-
7	13,184	-	13,184	6,592	6,592	-	6,592	14,170	-	-	-
8	13,184	-	13,184	6,592	6,592	-	6,592	20,762	-	-	-
9	13,184	-	13,184	6,592	6,592	-	6,592	27,354	-	-	-
10	13,184	-	13,184	6,592	6,592	-	6,592	33,946	-	-	-
	131,840	13,949	117,891	33,945	83,946	50,000	33,946			50,000	

Operating Profit: $/Ton

Revenue	5.6915
Mill Costs	3.2500
Profit	2.4415

Taxes - 50%

Capital required $50,000,000

Interest rate 9%

Assumed operating cost 50/3.25

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

Year	Operating Profit	Interest	Pre-Tax Profit	Taxes	Net Income	Capital Repayment	Cash Flow	Accumulated Cash Flow	CAPITAL Begin-ning	CAPITAL Repay	CAPITAL End
1	13,184	2,700	10,484	-	10,484	10,484	-	-	30,000	10,484	19,516
2	13,184	1,756	11,428	-	11,428	11,428	-	-	19,516	11,428	8,088
3	13,184	728	12,456	2,184	10,272	8,088	2,184	2,184	8,088	8,088	-
4	13,184	-	13,184	6,592	6,592	-	6,592	8,776	-	-	-
5	13,184	-	13,184	6,592	6,592	-	6,592	15,368	-	-	-
6	13,184	-	13,184	6,592	6,592	-	6,592	21,960	-	-	-
7	13,184	-	13,184	6,592	6,592	-	6,592	28,552	-	-	-
8	13,184	-	13,184	6,592	6,592	-	6,592	35,144	-	-	-
9	13,184	-	13,184	6,592	6,592	-	6,592	41,736	-	-	-
10	13,184	-	13,184	6,592	6,592	-	6,592	48,328	-	-	-
	131,840	5,184	126,656	48,328	78,328	30,000	48,328			30,000	

Operating Profit: $/Ton

Revenue	5.6915
Mill Costs	3.2500
Profit	2.4415
Taxes	50%

Capital Required $30,000,000

Interest rate 9%

Assumed operating cost 30/3.25

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

Year	Operating Profit	Interest	Pre-Tax Profit	Taxes	Net Income	Capital Repayment	Cash Flow	Accumulated Cash Flow	CAPITAL Begin-ning	Repay	End
1	15,884	4,500	11,384	-	11,384	11,384	-	-	50,000	11,384	38,616
2	15,884	3,475	12,409	-	12,409	12,409	-	-	38,616	12,409	26,207
3	15,884	2,359	13,525	-	13,525	13,525	-	-	26,207	13,525	12,682
4	15,884	1,141	14,743	1,030	13,713	12,682	1,031	1,031	12,682	12,682	-
5	15,884	-	15,884	7,942	7,942	-	7,942	8,973	-	-	-
6	15,884	-	15,884	7,942	7,942	-	7,942	16,915	-	-	-
7	15,884	-	15,884	7,942	7,942	-	7,942	24,857	-	-	-
8	15,884	-	15,884	7,942	7,942	-	7,942	32,799	-	-	-
9	15,884	-	15,884	7,942	7,942	-	7,942	40,741	-	-	-
10	15,884	-	15,884	7,942	7,942	-	7,942	48,683	-	-	-
	158,840	11,475	147,365	48,682	98,683	50,000	48,683			50,000	

Operating Profit:	$/Ton
Revenue	5.6915
Mill Costs	2.7500
Profit	2.9415
Taxes -	50%

Capital required $50,000,000

Interest rate 9%

Assumed operating cost 50/2.75

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

Year	Operating Profit	Interest	Pre-Tax Profit	Taxes	Net Income	Capital Repayment	Cash Flow	Accumulated Cash Flow	CAPITAL Beginning	CAPITAL Repay	CAPITAL End
1	15,884	3,600	12,284	-	12,284	12,284	-	-	40,000	12,284	27,716
2	15,884	2,494	13,390	-	13,390	13,390	-	-	27,716	13,390	14,326
3	15,884	1,289	14,595	134	14,461	14,326	-	135	14,326	14,326	-
4	15,884	-	15,884	7,942	7,942	-	7,942	8,077	-	-	-
5	15,884	-	15,884	7,942	7,942	-	7,942	16,019	-	-	-
6	15,884	-	15,884	7,942	7,942	-	7.942	23,961	-	-	-
7	15,884	-	15,884	7,942	7,942	-	7.942	31,903	-	-	-
8	15,884	-	15,884	7,942	7.942	-	7.942	39,845	-	-	-
9	15,884	-	15,884	7,942	7.942	-	7.942	47,787	-	-	-
10	15,884	-	15,884	7,942	7.942	-	7.942	55,729	-	-	-
	158,840	7,383	151,457	55,728	95,729	40,000	55,729			40,000	

Operating Profit: $/Ton

Revenue	5.6915
Mill Costs	2.7500
Profit	2.9415

Taxes - 50%

Capital required $40,000,000

Interest rate 9%

Assumed operating cost 40/2.75

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

Year	Operating Profit	Interest	Pre-Tax Profit	Taxes	Net Income	Capital Repayment	Cash Flow	Accumulated Cash Flow	CAPITAL Begin-ning	CAPITAL Repay	CAPITAL End
1	15,884	2,700	13,184	-	13,184	13,184	-	-	30,000	13,184	16,816
2	15,884	1,513	14,371	-	14,371	14,371	-	-	16,816	14,371	2,4[illegible]
3	15,884	220	15,664	6,609	9,055	2,445	6,610	6,610	2,445	2,445	-
4	15,884	-	15,884	7,942	7,942	-	7,942	14,552	-	-	-
5	15,884	-	15,884	7,942	7,942	-	7,942	22,494	-	-	-
6	15,884	-	15,884	7,942	7.942	-	7,942	30,436	-	-	-
7	15,884	-	15,884	7,942	7,942	-	7,942	38,378	-	-	-
8	15,884	-	15,884	7,942	7,942	-	7,942	46,320	-	-	-
9	15,884	-	15,884	7,942	7,942	-	7,942	54,262	-	-	-
10	15,884	-	15,884	7.942	7,942	-	7,942	62,204	-	-	-
	158,840	4,433	154,407	62,203	92,204	30,000	62,204			30,000	

Operating Profit: $/Ton

Revenue	5.6915
Mill Costs	2.7500
Profit	2.9415

Taxes - 50%

Capital required $30,000,000

Interest rate 9%

Assumed operating cost 30/2.75

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

Year	Operating Profit	Interest	Pre-Tax Profit	Taxes	Net Income	Capital Repayment	Cash Flow	Accumulated Cash Flow	CAPITAL Begin-ning	CAPITAL Repay	CAPITAL End
1	14,534	4,500	10,034	-	10,034	10,034	-	-	50,000	10,034	39,966
2	14,534	3,597	10,937	-	10,937	10,937	-	-	39,966	10,937	29,029
3	14,534	2,613	11,921	-	11,921	11,921	-	-	29,029	11,921	17,108
4	14,534	1,540	12,994	-	12,994	12,994	-	-	17,108	12,994	4,114
5	14,534	370	14,164	5,025	9,139	4,114	5,025	5,025	4,114	4,114	-
6	14,534	-	14,534	7,267	7,267	-	7,267	12,292	-	-	-
7	14,534	-	14,534	7,267	7,267	-	7,267	19,559	-	-	-
8	14,534	-	14,534	7,267	7,267	-	7,267	26,826	-	-	-
9	14,534	-	14,534	7,267	7,267	-	7,267	34,093	-	-	-
10	14,534	-	14,534	7,267	7,267	-	7,267	41,360	-	-	-
	145,340	12,620	132,720	41,360	91,360	50,000	41,360			50,000	

Operating Profit: $/Ton

Revenue	5.6915
Mill Costs	3.0000
Profit	2.6915
Taxes	50%

Capital required $50,000,00

Interest rate 9%

Assumed operating cost 50/3.00

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

Year	Operating Profit	Interest	Pre-Tax Profit	Taxes	Net Income	Capital Repayment	Cash Flow	Accumulated Cash Flow	CAPITAL Begin-ning	CAPITAL Repay	CAPITAL End
1	14,534	3,600	10,934	-	10,934	10,934	-	-	40,000	10,934	29,066
2	14,534	2,616	11,918	-	11,918	11,918	-	-	29,066	11,918	17,148
3	14,534	1,543	12,991	-	12,991	12,991	-	-	17,148	12,991	4,157
4	14,534	374	14,160	5,001	9,159	4,157	5,002	5,002	4,157	4,157	-
5	14,545	-	14,534	7,267	7,267	-	7,267	12,269	-	-	-
6	14,534	-	14,534	7,267	7,267	-	7,267	19,536	-	-	-
7	14,534	-	14,534	7,267	7,267	-	7,267	26,803	-	-	-
8	14,534	-	14,534	7,267	7,267	-	7,267	34,070	-	-	-
9	14,534	-	14,534	7,267	7,267	-	7,267	41,337	-	-	-
10	14,534	-	14,534	7,267	7,267	-	7,267	48,604	-	-	-
	145,340	8,133	137,207	48,603	88,604	40,000	48,604			40,000	

Capital required $40,000,000

Interest rate 9%

Assumed operating cost 40/3.00

Operating Profit: $/Ton

Revenue	5.6915
Mill Costs	3.0000
Profit	2.6915

Taxes 50%

CASH FLOW PROJECTIONS FOR BRENMAC MINES LTD.

Year	Operating Profit	Interest	Pre-Tax Profit	Taxes	Net Income	Captial Repayment	Cash Flow	Accumulated Cash Flow	CAPITAL Begin-ning	CAPITAL Repay	CAPITAL End
1	14,534	2,700	11,834	-	11,834	11,834	-	-	30,000	11,834	18,166
2	14,534	1,635	12,899	-	12,899	12,899	-	-	18,166	12,899	5,267
3	14,534	474	14,060	4,396	9,664	5,267	4,397	4,397	5,267	5,267	-
4	14,534	-	14,534	7,267	7,267	-	7,267	11,664	-	-	-
5	14,534	-	14,534	7,267	7,267	-	7,267	18,931	-	-	-
6	14,534	-	14,534	7,267	7,267	-	7,267	26,198	-	-	-
7	14,534	-	14,534	7,267	7,267	-	7,267	33,465	-	-	-
8	14,534	-	14,534	7,267	7,267	-	7,267	40,732	-	-	-
9	14,534	-	14,534	7,267	7,267	-	7,267	47,999	-	-	-
10	14,534	-	14,534	7,267	7,267	-	7,267	55,266	-	-	-
	145,340	4,809	140,531	55,265	85,266	30,000	55,266			30,000	

Operating Profit: $/Ton

Revenue	5.6915
Mill Costs	3.0000
	2.6915

Taxes 50%

Capital Required $30,000,000

Interest rate 9%

Assumed operating cost 30/3.00

PART 'B' - Section 8

CONCLUSIONS AND GENERAL COMMENT:

On the basis of present metal prices and grade and tonnage estimates, it is evident that in order to be profitable, the property must be operated at a high per diem rate and at low unit cost. In addition, capital costs must be kept to a minimum, and there must be substantial recoveries of all contained metals.

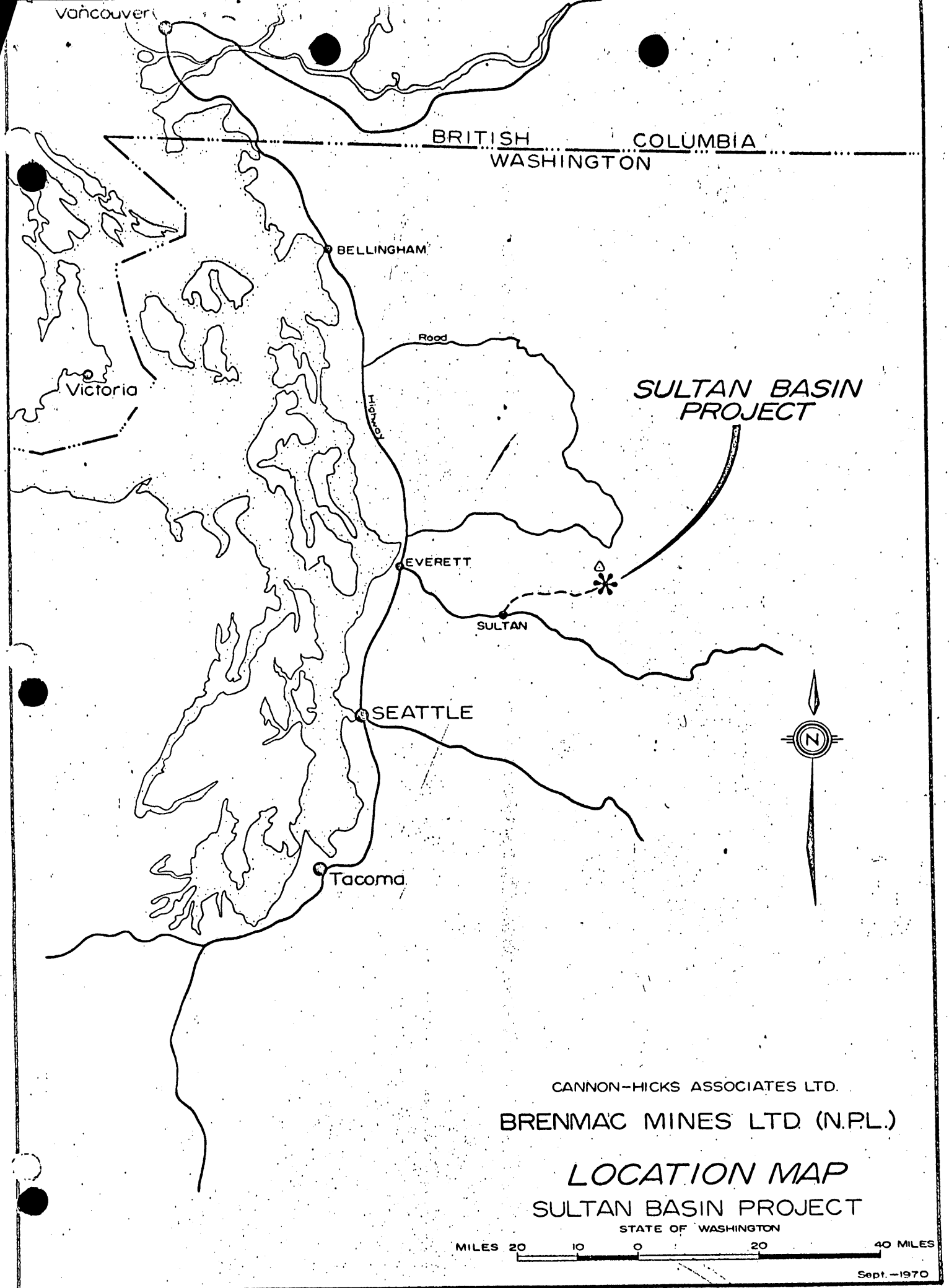
On the other hand, any increase in metal prices will greatly influence the profitability of the operation as will improvements in metallurgical and mining techniques.

In my opinion, there is no question concerning eventual production from this deposit. At the present time critical data required for final documentation of reserves, grades and costs, are lacking. The completion of the work to obtain these data is well warranted.

Respectfully submitted,

D.M. CANNON, P.ENGINEER

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D. M. CANNON


Vancouver
BRITISH COLUMBIA
WASHINGTON
BELLINGHAM
Road
Highway
Victoria
SULTAN BASIN PROJECT
EVERETT
SULTAN
SEATTLE
N
Tacoma
CANNON-HICKS ASSOCIATES LTD.
BRENMAC MINES LTD. (N.P.L.)
LOCATION MAP
SULTAN BASIN PROJECT
STATE OF WASHINGTON
MILES 20 10 0 20 40 MILES
Sept.-1970

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

February 29, 1968

OFFICIAL COPY
O. M. E.
RECEIVED
MAR 4 1968
INITIALS | COLE
110
130
120
120
To be Assigned

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: New Application (Copper-Molybdenum)
Century Explorations, Inc. 6701
Sunrise Prospect
Snohomish County, Washington

This application was forwarded February 26, 1968, under separate cover.

Copies of the applicant's letters to two banks are lacking. He apparently has rights to the claims by virtue of an Option to Purchase dated April 7, 1967. However, he is a company wholly owned by three different companies and what, if any, effect this may have on his property rights or his financial eligibility, I have no idea.

Lien and Subordination Agreement, one copy only, is executed by C. M. Eadie, president of the applicant company rather than the claim owners.

The claims in question are shown on a claim map, scale 1 inch = 4,000 feet, as a northeast-southwest area colored brown in the upper right hand quarter, and are not identified by name on the following map, scale 1 inch = 2,000 feet.

It is hoped that these are only technical difficulties and can be resolved favorably, as there appears to be a better than fair chance of discovering many thousands of tons of low grade copper-molybdenum ore.

Charles M. Eadie and E. G. Skerl, geologist, visited the Spokane office January 29, 1968, to discuss their ideas and pending application. The same day we received a letter dated January 26, 1968, from Marshall T. Huntting of the Washington State Department of Natural Resources endorsing the application. A copy of Huntting's letter was sent to you with a copy of our reply of February 5, 1968.

The copper commodity files should have a report on this property prepared by A. C. Waters, October 25, 1943.

D.R.MacLaren

February 5, 1968

INITIAL	DATE
JEJ	110
HK	120
	220

Mr. Marshall T. Huntting, Supervisor
Division of Mines and Geology
State of Washington
Box 168
Olympia, Washington 98501

Dear Mr. Huntting:

Thank you very much for your letter of January 26, 1968, relative to the Sunrise property in Sultan Basin, Snohomish County.

Dr. Skerl and Mr. Eadie were in the office January 29, 1968 to outline just what they propose to do and why. There is no doubt in my mind as to the serious efforts and thought they have given to explore this property. Their application has not yet been received and of course I do not mean to commit myself until I have had a chance to study it closely, but I am favorably impressed by their preliminary presentation.

When the time comes, should I have specific questions I will surely call on you for such answers as you may have.

Sincerely yours,

Donald R. MacLaren
Field Officer, OME Region I

CC: OME w/incoming Director's Reading file

Natural Resources

BOX 168
OLYMPIA, WASHINGTON
98501

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] exam[illegible]

[illegible] Brenda [illegible]

We have always felt that the Sunrise property warranted an intensive [illegible] As a result of [illegible] the recent [illegible] for an [illegible] We [illegible] this property [illegible] water depth [illegible]

If you should have any questions regarding the [illegible] the Sunrise property, we would be glad to try to help [illegible]

Very tru[illegible]

BERT L. COLE
Commissioner of Public [illegible]

By Marsha[illegible]

CENTURY EXPLORATIONS INC
502 Rust Building
TACOMA, Washington 98403

February 20th, 1968.

Mr. Donald E. MacLaren,
Acting Field Officer,
Region I,
Office of Mineral Exploration,
650 U. S. Court House
W. 920 Riverside Avenue,
SPOKANE, Washington 99201

Dear Mr. MacLaren -

Further to our Application for Financial Assistance in Mineral Exploration for the Sunrise Prospect, Sultan Basin, forwarded to you on February 19th, 1968, we wish to include the enclosed Title Opinion regarding the Sunrise Claims prepared by Blair, Thomas O'Hern & Daheim. We believe this is required under Item 2 (a) "Applicant's right in land".

Yours very truly,

Encls.

CENTURY EXPLORATIONS, INC.
President

BLAIR, THOMAS, O'HERN & DAHEIM
LAW OFFICES
502 RUST BUILDING, TACOMA, WASHINGTON 98402
MA 7-7148
BR. 2-2131

ARCHIE E. BLAIR
CHARLES L. THOMAS
JAMES E. O'HERN
WARREN J. DAHEIM
DALE L. CARLISLE
JOHN E. SLOAN

August 7, 1967

Quaker, Wall Street, Oxidental and Eldorado, known as the Sunrise Mining Claims, and any contiguous claims owned by Lessors alone or together, located in Sections 10 and 15, Township 29 North, Range 10, E.W.M., in the Sultan Basin Mining District, together with all equipment now located on said property.

Mr. William J. Worrall
Shulman, Tupper & Company
404 Standard Building
510 West Hastings Street
Vancouver 2, B.C.

Dear Mr. Worrall:

We have examined title to the above described mining claims upon an abstract of title consisting of 89 instruments and certified to the 7th day of July, 1967 at 8:00 a.m. by the Snohomish County Office of Pioneer National Title Insurance Company, a corporation. Assuming said abstract to be true and complete, we are of the opinion that it discloses good and marketable title in the said claims in Marvell Eleanor Curtiss, as her separate property, S. G. Kelley, presumptively subject to the community interest of his wife, Grace Kelley, and Hazel Weinert, as her separate property, subject only to the following:

1. An option to purchase the mining claims referred to hereinabove was given by Robert T. Curtiss, S. Gail Kelley and R. H. Neatherlin to Howe Sound Company, a corporation of New York City, on October 31, 1956. The terms and conditions of said option were contained in a separate instrument executed by the parties on October 31, 1956. This latter instrument was not placed of record. No opinion, therefore, can be given whether the option is still in force.

2. On September 6, 1961, Robert T. Curtiss and Marvell E. Curtiss,

his wife, R. H. Neatherlin and Hazel Neatherlin, his wife, and Gail Kelley and Grace Kelley, his wife, as sellers, and George Milburn, as purchaser, entered into an agreement whereby sellers agreed to sell to purchaser all their right, title and interest in the mining claims referred to hereinabove for a total consideration of $140,000.00. The procedures to be followed in the event of default are spelled out in paragraph 6 of the agreement. In the event of default sellers' remedy is limited to a cancellation and forfeiture of the right, title and interest of the purchaser in and to the mining claims and subsurface interests. Purchaser agreed to release and quit claim to sellers any such right, title and interest acquired by purchaser up to the time of said default. No opinion can be expressed whether this agreement still is in force. It is noted, however, that there has not been placed of record a quit claim deed or other conveyance from the purchaser, George Milburn, to the sellers, Curtiss, Neatherlin and Kelley, wherein Milburn conveys back to them any interest he might have acquired.

3. Robert T. Curtiss and Marvell Eleanor Curtiss entered into a community property agreement on June 30, 1956. This agreement was filed with the Auditor of Snohomish County on July 6, 1956 in Volume 597 at page 450 under Auditor's Filing No. 1198688. Under the laws of the State of Washington, RCW 26.16.120, such an agreement is effective to pass the title to all property affected thereby on the death of one of the spouses without a probate of the deceased spouse's estate. We assume that Robert T. Curtiss is deceased. The community property agreement referred to herein is in our opinion sufficient to pass the interest of Robert T. Curtiss in the mining claims referred to hereinabove to his wife, Marvell Eleanor Curtiss, without probating his estate.

4. As disclosed by proceedings in Snohomish County Probate #33730, R. H. Neatherlin died in Portales, New Mexico on December 24, 1963, although a resident of the State of Washington. He was survived by his wife, V. Hazel Neatherlin, and a son, Robert Wayne Neatherlin. R. H. Neatherlin died testate and his Will was admitted to probate and V. Hazel Neatherlin was appointed Executrix thereof on January 18, 1964. R. H. Neatherlin's Will provided, in part, that his wife, V. Hazel Neatherlin, was to receive his entire estate, subject to certain qualifications not here germane. An inventory and appraisement was filed in this estate showing Mr. Neatherlin to be the owner of a 24% undivided interest in the mining claims identified hereinabove. An Order of Solvency was entered on January 27, 1964 and V. Hazel Neatherlin, as Executrix of the estate, was empowered to administer the estate without further intervention of the Court. A Declaration Closing the Estate was filed on May 1, 1964. The period for creditors to file claims in this estate could not have expired before July 18,

1964. It is assumed that Hazel Weinert and V. Hazel Neatherlin are one and the same person. We also assume that the Option to Purchase, dated April 7, 1967 between Marvell Curtiss, S. G. Kelley and Hazel Weinert and Keith Hawkins and Kenneth Armstrong, contains a typographical error when referring to the interest of Hazel Weinert as being 25%.

5. The locator's interest in unpatented mining claims is personalty rather than realty, Woodworth v. Edwards, 3 Wn. 2d 579, 101 P. 2d 591 (1940). Accordingly, exception has not been taken to any conveyances of claims by the husband, as the statutory agent of the community, without his wife joining in the execution of the instrument. Since the transfer of a mining claim is a transfer of personal property, the county real estate sales tax does not apply. (Opinions Attorney General No. 51-53-408).

6. While we note that the affidavit of labor performed on claims required to be recorded annually with the County Auditor has not always been filed, there were not any subsequent intervening locations filed for those claims prior to the resumption of work by the original locator. Accordingly, while the absence of the annual assessment affidavit must be noted, we are of the opinion that, based upon the record, the claims were never "forfeited" by the parties now in title.

7. No opinion is expressed herein whether the procedures followed in locating said claims complied with the requirements now contained in RCW 78.08.060, or in the case of a relocated claim, the requirements now contained in RCW 78.08.090.

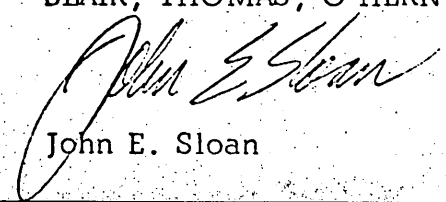
8. We assume that Sigurd Gail Kelley, S. G. Kelley, S. Gail Kelley and Gail Kelley are one and the same person.

9. The report by Pioneer National Title Insurance Company shows proceedings in Snohomish County Probate Case Nos. 6973, 18254, 20813 and 33730. No examination of these files has been made.

We call your attention to the fact that this opinion does not cover matters which would be reflected by a survey of the claim, such as the dimensions of the claim, the location of the boundary lines, and whether there might be some overlapping of these boundaries and those of contiguous claims.

Sincerely yours,

BLAIR, THOMAS, O'HERN & DAHEIM



John E. Sloan

JES/ln

CENTURY EXPLORATIONS, INC.
502 Rust Building,
TACOMA, Washington. 98402

February 19th, 1968.

Mr. Donald E. MacLaren,
Acting Field Officer,
Region I,
Office of Mineral Exploration,
656 U. S. Court House,
W. 920 Riverside Avenue,
SPOKANE, Washington. 99201

Dear Mr. MacLaren:-

Please find enclosed our Applications for Financial Assistance in Mineral Exploration, including MME Forms 40 and 42 for the Sunrise Prospect in Sultan Basin, Washington.

We trust this information is in order.

Yours very truly,

Encls.

CENTURY EXPLORATIONS, INC.
President

SUNRISE PROSPECT

SULTAN - BASIN SNOHOMISH, WASHINGTON.

CENTURY EXPLORATIONS INC.,

MME Form 40
July 1962

Budget Bureau No. 42–R1368
Approval expires Dec. 31, 1963

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85–701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

CENTURY EXPLORATIONS, INC.,
1218 Third Avenue,
C/o C T Corporation System,
Seattle,
County of King,
Washington 98101

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6701

DATE RECEIVED 2/28/68

REGION

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [ ]
- CORPORATION [X]
- PARTNERSHIP [ ]
- OTHER *(Specify)* [ ]

STATE IN WHICH FIRM IS ORGANIZED: Washington

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Charles M. Eadie,	2222 Bellevue Ave., West Vancouver, B.C.	President
Leonard N. Udell,	1073 Groveland, West Vancouver, B.C.	Vice-Pres.
W.J. Worrall,	404 - 510 W. Hastings St. Vancouver 2, B.C.	Secretary-Treasurer
Keith Hawkins,	Box 100, Bellingham, Wash.	Director
C. Gerald Sutton,	2037 Upland St., San Pedro, Calif.	Director
(see additional 2 Directors on Schedule)		

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Copper and molybdenum

ESTIMATED COST OF PROJECT: $ 550,000.00

PROPERTY NAME	LOCATION COUNTY	STATE
Sunrise Prospect, Sultan Basin	Snohomish	Wash.

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior, Washington 25, D. C., or with the nearest OME Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

January 25, 1968
DATED

BY *(Signature)*

President
TITLE

Penalty for Fraud Against the United States Government is a criminal offense.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

INT.-DUP. SEC., WASH., D.C. 11979

Schedule

Additional Directors:

Isaac Shulman	404 - 510 West Hastings Street, Vancouver 2, British Columbia, Canada.	Director
Robert Randall	2890 Bellevue, West Vancouver, British Columbia, Canada	Director

SCHEDULE TO APPLICATION FOR FINANCIAL ASSISTANCE IN MINERAL EXPLORATION OF CENTURY EXPLORATIONS, INC.

1. Financial Eligibility

(a) See Attached

(b) The property interest described in item 2 of this schedule is held by the applicant. The applicant is wholly owned and controlled by the following British Columbia corporations:

Century Exploration & Resources Ltd. (N.P.L.),
404 - 510 West Hastings Street,
Vancouver, B.C. - 50%

Lakeland Base Metals Ltd. (N.P.L.),
312 - 510 West Hastings Street,
Vancouver, B.C. - 25%

BrenMac Mines Ltd. (N.P.L.),
312 - 510 West Hastings Street,
Vancouver, B.C. - 25%

(c) Funds to defray the applicant's share of the cost of the exploration will be by way of advance from the controlling companies listed above in the proportions of their interest. Lakeland and BrenMac are public corporations whose shares are posted for trading on the Vancouver Stock Exchange.

THE ROYAL BANK OF CANADA

PENDER & BUTE BRANCH
1205 WEST PENDER STREET, VANCOUVER, B.C.

Telephone 682-6771

February 14, 1968

Letter to U.C. Bank re Loan Co. or Regional Finance (Alberta) Regional Bank

Century Explorations Inc.,
#312 - 510 West Hastings Street,
Vancouver 2, B. C.

Dear Sirs:

With reference to your letter dated January 4, 1968 concerning an application for a loan of $550,000., we regret to advise that we are not in a position to advance funds in this instance.

Yours truly,

G. W. McLaughlin,
Relieving Manager

1. (a) Financial Eligibility

See Application for Bank Loan under separate cover.

PLEASE ADDRESS
REPLY TO
THE MANAGER

CANADIAN IMPERIAL
BANK OF COMMERCE
GEORGIA AND BURRARD
1036 WEST GEORGIA ST.
VANCOUVER 5, B.C.

February 14, 1968

RECEIVED
FEB 16 1968
Ans'd.....

Mr. C. M. Eadie, Director
BrenMac Mines Ltd.
312 - 510 West Hastings Street
Vancouver 2, B.C.

Dear Mr. Eadie:

Re: Century Explorations Inc.

Referring to your letter of January 4, 1968, we cannot possibly see our way clear to further consider your request of financing to the extent of $550,000 to carry out an exploration program as set out by your consulting engineer, Dr. A. C. Skerl.

We might be happy to consider the application when sufficient ore is discovered and a proper feasibility report is prepared by engineers and chartered accountants.

Yours very truly,

J. W. Graham
Manager

JWG/ab

1. (a) Financial Eligibility

See Application for Bank Loan under separate cover.

RE: APPLICATION FOR LO[illegible], January 4th, 1968. Par[illegible]culars re Application for Loan of $550,000.00 for exploration of SUNRISE Property, Sultan Basin, Washington. 1. Letter from The Royal Bank of Canada, Vancouver, B. C.
2. Letter from Canadian Imperial Bank of Commerce, Vancouver, B. C.

MEMORANDUM OF PARTICULARS
OF APPLICANT FOR LOAN.

ORIGINAL COPY
O. M. E.
RECEIVED
FEB 28 1968
INITIALS | CODE

Century Explorations, Inc. hereby makes application for a loan to defray the cost of a programme of mineral exploration, such programme to be conducted in accordance with the recommendations and report of Dr. A.C. Skerl, a copy of which accompanies and forms part of this application.

The Applicant is a corporation incorporated under the laws of the State of Washington. We enclose a copy of the Company's Charter and Constitution. The shareholders of the Company are Century Exploration & Resources Ltd. (N.P.L.) a private corporation incorporated under the laws of the Province of British Columbia, which company presently holds fifty per cent of the share capital of Century Explorations, Inc., twenty-five per cent of such company being held by Lakeland Base Metals Ltd. (N.P.L.) and BrenMac Mines Ltd. (N.P.L.). Both Lakeland and BrenMac are British Columbia corporations and are constituted as public companies and are posted for trading on the Vancouver Stock Exchange. All operations which have been conducted on the property have been financed to date by advances of funds from the three shareholder companies in the proportion in which they hold shares in the corporation.

For your information we enclose a copy of the Option to Purchase through which the Company has the right to conduct operations on this property. Century Explorations, Inc. has been recorded in the Auditor's Office as the holder of this Option.

Attached hereto please find consolidated financial statement for the three shareholder companies under the heading of BrenMac Mines Ltd. (N.P.L.).

ITEM 1(a)

OPTION TO PURCHASE

THIS AGREEMENT is made and entered into on the 7th day of April, 1967, by and between MARVELL CURTISS, S. G. KELLEY and HAZEL WEINERT, owners of four (4) unpatented mining claims, hereinafter designated as "Lessors", and KEITH HAWKINS and KENNETH ARMSTRONG, hereinafter designated "Lessees",

W I T N E S S E T H :

In consideration of Ten ($10.00) Dollars and other valuable consideration, receipt of which is hereby acknowledged, the Lessors do hereby grant to the Lessees, their associates, successors and heirs, the exclusive right and option for a period of ten (10) years from the date hereof, to purchase all right, title and interest of Lessors in the following described mining area of Snohomish County, Washington, to-wit:

> Quaker, Wall Street, Oxidental and Eldorado, known as the Sunrise Mining Claims, and any contiguous claims owned by Lessors alone or together, located in Sections 10 and 15, Township 29 North, Range 10, E.W.M., in the Sultan Basin Mining District, together with all equipment now located on said property.

Said Lessors respective own the following percentage in the Sunrise Mining Claims: MARVELL CURTIS, twenty-six (26%) per cent; S. G. KELLEY, forty-nine (49%) per cent; and HAZEL WEINERT, in her sole and separate property, twenty-five (25%) per cent.

Lessors warrant that they are the owners free and clear of all encumbrances.

The purchase price for all of the foregoing property and appurtenances unto it belonging shall be the sum of One Hundred Forty Thousand ($ 140,000.00) Dollars.

During the life of this option, the Lessees, or their assigns, shall have the exclusive right to take immediate possession of the above-described property and continue in possession during the term of this option, and shall have the exclusive right to mine and extract minerals from said property, providing the following terms of the lease are complied with, to-wit:

1. The assessment work of Five Hundred ($500.00) Dollars or its equivalent per year on the four claims included in the property shall be performed each year.

2. Title to the personal property and equipment located on the property shall remain in the Lessors until One Hundred Forty Thousand ($140,000.00) Dollars has been paid on the purchase price, at which time the Lessors agree to convey by bill of sale such equipment to Lessees.

3. This agreement may be assigned without leave and shall be binding upon and enure to the benefit of the parties, their respective heirs, executors, administrators and assigns. It is expressly agreed between Lessors and Lessees that in the event Lessees assign their interests in this option to others, and the others default in the terms and conditions of this option, Lessees herein will have the option to retake possession of the property and again deal with Lessors after having corrected the default of Lessees' assigns.

4. The Lessors shall have the right of inspection and examination of the operation and development of the property at all times. The Lessees agree to keep safely and furnish all copies of all records of work done, drill cores, copies of assays and records of surveys.

5. During the life of this option, the purchasers shall pay all personal property taxes, all bills and expenses incurred by them promptly, and by such prompt payment shall prevent the filing of any and all liens of mechanics, miners and materialmen, and any and all other obligations which may become a lien or charge against said property, including the payment of Industrial Insurance, Social Security, Occupational Tax and all like charges. For these purposes, the Lessors shall be offered an opportunity to examine the books of the Lessees at reasonable times and places.

6. The Lessees shall comply with all the rules and regulations prescribed by the State of Washington or the United States for the safety of employees on the property and assume all responsibility in case of accident to employees or persons in or about said property and agree to indemnify and save harmless the Lessors from all which may be asserted by persons or property injured in or about the premises.

7. The Lessees agree to carry on their development, examination and inspection of the property in a workmanlike manner, with due regard to the development and preservation of the mining premises as workable mining property.

8. This is an option to purchase and not an agreement to purchase and may be abandoned by the optionees on notice or failure to make any payment hereunder, whereupon the optionees shall hand over to the owners all records of work done on the property, including remaining drill core and then may remove any buildings, machinery and equipment erected or brought upon the property during the life of this option and thereafter be under no further obligation whatsoever in respect to this agreement.

9. Time is of the essence, and failure to comply with any term hereof by the Lessees, the owners may give the optionees notice, in writin, specifying the default and requiring it to be remedied, then if such specified default continues for thirty (30) days thereafter, the owners may, by written notice, cancel the option. In the event of default by Lessees or their assigns in any of the terms and conditions of this contract, Lessors may, by written notice, declare this contract to be in default, and if, at the end of the thirty-day period, Lessees or their assigns have not corrected the default, these claims, along with all improvements and appurtenances, shall revert back to Lessors. Any payments previously paid by Lessees in accordance with the terms of this contract shall be forfeited and become the property of Lessors. Said forfeiture of payments made shall be Lessors' only remedy in the event of default.

10. The payments herein contemplated shall constitute rental payments during the term of this option, which shall all apply towards the purchase price of One Hundred Forty Thousand ($140,000.00) Dollars. Upon the payment of said amount, the option will be considered automatically exercised by Lessees, and the property will be conveyed by Lessors to Lessees or their assigns.

11. Upon the signing of this instrument, Lessees will pay to Lessors the sum of One Thousand ($1,000.00) Dollars, and each and every month thereafter for the first year, the Lessees shall pay to Lessors the sum of One Hundred Fifty ($150.00) Dollars; for each and every month during the second year of this option, Lessees shall pay Lessors the sum of Two Hundred Fifty ($250.00) Dollars; during each and every month of the third year of this option, Lessees shall pay to Lessors the sum of Three Hundred Fifty ($350.00) Dollars; at the end of the third year and beginning at the end of the fourth year, and at the end of each year thereafter, Lessees shall pay a yearly sum of one-seventh (1/7) of the balance remaining due on the purchase price after the end of the third year. All payments, except the initial payment of $1,000.00, shall be paid into a collection account in the name of Lessors at the Seattle-First National Bank, Snohomish Branch, 903 Second Street, Snohomish, Washington.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals the day and year first above written.

Marvell Curtiss
MARVELL CURTISS

S. G. Kelley
S. G. KELLEY

Hazel Weisert
HAZEL WEISERT

Lessors

Keith Hawkins
KEITH HAWKINS

Kenneth Armstrong
KENNETH ARMSTRONG

Lessors

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me MARVELL CURTISS, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that she signed the same as her free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald H. Fuller
Notary Public in and for the State of Washington, residing at Everett

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me S. C. KELLEY, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that he signed the same as his free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald A Fenton
Notary Public in and for the State of Washington, residing at Everett

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me HAZEL WEINERT, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that she signed the same as her free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald A Fenton
Notary Public in and for the State of Washington, residing at Everett

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me KEITH HAWKINS, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that he signed the same as his free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald A Fenton
Notary Public in and for the State of Washington, residing at Everett

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me KENNETH ARMSTRONG, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that he signed the same as his free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald H Eaton
Notary Public in and for the State of Washington, residing at Everett

I, GRACE KELLEY, being the wife of S. G. KELLEY, do hereby join him in the above option to purchase and approve the above document in all its terms and conditions and by this, my signature, agree to grant and convey any interest I own in the above claim, either individually or as a member of the marital community composed of S. G. KELLEY and myself.

Grace Kelley
Grace Kelley

STATE OF WASHINGTON)
ss.
COUNTY OF SNOHOMISH)

On this day personally appeared before me GRACE KELLEY, to me known to be the individual described in and who executed the within and foregoing consent, and acknowledged to me that she signed the same as her free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN under my hand and official seal this 7 day of April, 1967.

Donald H Eaton
Notary Public in and for the State of Washington, residing at Everett.

BRENMAC MINES LTD. (N.P.L.)

Pro Forma Financial Statements

As at December 31, 1967

BRENMAC MINES LTD. (N.P.L.)

Pro Forma Balance Sheet

As at December 31, 1967

After giving effect to the following transactions which are deemed to have been approved by the Shareholders, V.S.E. and Securities Commission.

1. The increase of authorized capital to 10,000,000 common shares of no par value of which, at December 31, 1967, 2,620,002 had been issued, 825,000 for properties or for the shares of subsidiaries, to acquire their properties.

2. The cancellation or forgiveness of the indebtedness of Century Exploration & Resources Ltd. (N.P.L.) in consideration for the purchase of a further 10% equity interest in the Snohomish mineral claims and leases.

   After giving effect to this transaction, the relative interests and respective costs of the co-venturers will be:

		Cost
Century Exploration & Resources Ltd.	40%	$ 84,462.55
BrenMac Mines Ltd. (N.P.L.)	35%	21,287.68
Lakeland Base Metals Ltd. (N.P.L.)	25%	21,287.68
		$127,037.91

3. The acquisition of the assets and undertaking and assumption of liabilities of Lakeland Base Metals Ltd. (N.P.L.) in consideration for the issue of 1,640,004 common shares of no par value. Since this number of shares equals the shares of capital stock outstanding in Lakeland Base Metals, the Liquidation of Lakeland, after the resolution to wind-up has been passed, will be able to distribute the BrenMac shares share for share to the present holders of shares of Lakeland. The shares of BrenMac issued to Lakeland, will be subject to such restrictions as the Securities Commission or Vancouver Stock Exchange may impose.

4. The acquisition of the assets and undertaking and assumption of liabilities of Century Exploration & Resources Ltd. (N.P.L.) in consideration for the issue of 800,000 common shares of no par value. The share capital presently outstanding in Century Exploration totals 1,150,005 common shares. After the resolution for winding-up has been passed, and a Liquidator appointed, he will be able to distribute the BrenMac shares pro rata to the shareholders of record. The BrenMac shares issued will be subject to such restrictions as the Securities Commission or Vancouver Stock Exchange may impose.

BRENMAC MINES LTD. (N.P.L.)

Pro Forma Balance Sheet

As at December 31, 1967

ASSETS

Current		
Cash in Bank		$ 50,606.29
Accounts Receivable		3,711.65
Sundry Advances and Deposits		2,162.51
Funds Held in Trust		14,561.42
Prepaid Expenses and Deposits		2,473.34
Deposit on Proposed Scurry Rainbow Farmout (Note 2)		35,000.00
		108,515.21
Mineral Properties		
Snohomish County Properties	$127,037.91	
Peachland, Munro and Brenda Lakes Properties	184,175.00	
Fulton - Babine Properties	11,220.00	
Pine Point Properties	12,500.00	
		334,932.91
Fixed Assets - at cost		
Vehicles, Machinery and Equipment	$100,055.70	
Less - Accumulated Depreciation	17,335.21	
		82,720.49
Investments in Subsidiary Companies (Note 3)		
Shares	$ 98,800.26	
Advances	159,705.72	
		258,505.98
Deferred Expenditures		
Exploration and Development - Schedule I	$327,009.80	
Administration - Schedule II	77,353.40	
Organization Fees and Disbursements	6,809.66	
		411,172.86
		$1,195,847.45

LIABILITIES AND CAPITAL

Current		
Accounts Payable		$ 18,089.45
Share Capital (Note 4)		
Authorized - 10,000,000 Common Shares of No Par Value.		
Issued as Fully Paid -		
1,795,002 Shares for Cash	$638,751.00	
825,000 Shares for Mineral Properties and shares of Subsidiary Companies	105,000.00	
2,440,004 Shares for the assets of other Companies	434,007.00	
5,060,006		1,177,758.00
		$1,195,847.45

APPROVED ON BEHALF OF THE BOARD:

_____ DIRECTOR

_____ DIRECTOR

(The accompanying notes form an integral part of this Balance Sheet)

BRENMAC MINES LTD. (N.P.L.)

Pro Forma Schedule of Exploration and Development Expenditures

From commencement of operations to December 31, 1967

	Snohomish County Properties	Peachland Properties	Munro and Brenda Lakes	Fulton - Dabine Properties	Pine Point Properties	Total
Prospecting and Examination	$ 42,548.38	$ 48,984.18	$ 500.00	$ 5,646.86		$ 97,679.42
Survey, Staking	1,186.55		201.00	5,142.02		6,529.57
Mapping and Printing	1,064.97		56.90	2,897.00	$ 1,625.15	5,644.02
Assay and Sample	2,472.79		90.00	762.94		3,325.73
Drilling	47,340.43	11,270.70	4,123.46			62,734.59
Geophysical Survey		2,055.39	1,453.88	615.90	21,758.80	25,883.97
Vehicle Operation and Rent	561.96		937.59	3,275.74	2,053.00	6,828.29
Crew Travel	988.82		353.98	477.54	675.66	2,496.00
Laboratory Supplies				776.96		776.96
Laboratory Wages				3,027.68		3,027.68
Road Building and Clearing			8,048.50	392.08	952.50	9,393.08
Equipment Operation and Repair			661.89	45.98	588.55	1,296.42
Property Supervision		20,602.69	5,158.00		1,248.00	27,008.69
Employee Benefits	1,040.71			2,476.44		3,517.15
Camp Office Costs				1,295.58	500.00	1,795.58
Taxes and Assessments		1,593.78	1,690.00	916.84	120.00	4,320.62
Loss on Disposal of Fixed Assets		560.06				560.06
Engineering		2,140.34	1,000.00	1,230.30	409.50	4,780.14
Surface Work		32,539.20				32,539.20
Camp Expense		8,903.19	249.59	1,829.67	3,866.99	14,849.44
Sundry	175.00	2,690.32		850.03		3,715.40
Depreciation		18,279.92				18,279.92
	97,379.61	149,619.77	24,524.79	31,659.61	33,798.15	336,981.93
Less - Recoveries						
Drill and Equipment Rentals		6,372.13	3,600.00			9,972.13
	$ 97,379.61	$ 143,247.64	$ 20,924.79	$ 31,659.61	$ 33,798.15	$ 327,009.80

Schedule II

BRENMAC MINES LTD. (N.P.L.)

Pro Forma Schedule of Administration Expenditures

From commencement of Operation to December 31, 1967

Legal		$ 26,752.77
Office and Equipment Rent		12,157.79
Management and Office Salaries		12,294.90
Audit		10,821.24
Telephone		7,483.97
Travel and Parking		7,089.96
Printing, Stationery and Postage		6,342.99
Advertising and Promotional Material		6,681.74
General Administration Expenses		4,534.11
Licences, Dues and Subscriptions		4,370.64
Transfer Agents Fees		3,641.44
Consulting		3,256.05
Interest and Bank Charges		2,228.83
Employee Benefits		737.96
Depreciation		540.31
		108,934.70
Less - Interest Earned on Term Deposits	$ 11,642.05	
- Charges to Subsidiary and Other Companies	19,939.25	
		31,581.30
Deferred Administration Charges - December 31, 1967		$ 77,353.40

Allocation of Deferred Administration Expenditures:

Snohomish Properties	$ 8,287.21
Peachland Properties	33,202.81
Munro and Brenda Lake Properties	11,617.80
Fulton - Babine Properties	18,436.70
Pine Point	5,808.88
	$ 77,353.40

BRENMAC MINES LTD. (N.P.L.)

Pro Forma Statement of Source and Application of Funds

From the Commencement of Operations to December 31, 1967

Source of Funds		
Shares Issued		$ 1,177,758.00
Interest Earned on Term Deposits		11,642.05
Rentals and Recoveries		19,939.25
Disposal of Equipment and Machinery		5,118.58
Depreciation Expenses Charged to Exploration, Development and Administration		17,335.21
		1,231,793.09
Application of Funds		
Mineral Properties (acquired for cash and shares)	$ 334,932.91	
Acquisition of Machinery and Equipment	105,174.28	
Shares acquired in Subsidiary Companies	98,800.26	
Advances to Subsidiary Companies	159,705.72	
Exploration and Development	346,949.05	
Administration	88,995.45	
Organization Fees and Disbursement	6,809.66	
		1,141,367.33
Working Capital - December 31, 1967		$ 90,425.76

Represented by:

Current Assets	$ 108,515.21
Less - Current Liabilities	18,089.45
	$ 90,425.76

BRENMAC MINES LTD. (N.P.L.)

Notes to Pro Forma Financial Statements

As at December 31, 1967

NOTE 1

The accompanying Pro Forma Balance Sheet and supporting schedules have been prepared from unaudited financial statements of the following companies as at December 31, 1967:

BrenMac Mines Ltd. (N.P.L.)
Lakeland Base Metals Ltd. (N.P.L.)
Century Exploration & Resources Ltd. (N.P.L.)

In order to obtain all requisite approvals, the effective date might be February 29, 1968.

NOTE 2 - SCURRY RAINBOW FARMOUT

The Company has deposited $35,000.00 in Trust pending a formal contract on the Scurry Rainbow Farmout in Saskatchewan. The Company has a 12-1/2% interest in the Farmout Agreement. It is anticipated that the Company's liability for expenditure under this agreement will not exceed $35,000.00. At the present time the Farmout Agreement is in the name of Lakeland Base Metals Ltd. (N.P.L.).

NOTE 3 - INVESTMENTS IN SUBSIDIARY COMPANIES

Shares - at cost

BrenColl Mines Ltd. (NPL)	750,002	(total issued)	$27,138.79
BrenCap Mines Ltd. (NPL)	750,002	(total issued)	31,582.78
BrenSand Mines Ltd. (NPL)	550,002	(750,002 issued)	10,399.31
Lakeland Minerals Ltd. (NPL)	2	(total issued)	2.00
BrenLak Athabasca Mines Ltd. (NPL)	525,000	(750,005 issued)	29,677.38
			$98,800.26

Advances

BrenColl Mines Ltd. (NPL)	$ 70,840.26
BrenCap Mines Ltd. (NPL)	40,126.97
BrenSand Mines Ltd. (NPL)	48,267.65
Lakeland Minerals Ltd. (NPL)	470.84
	$159,705.72

BRENMAC MINES LTD. (N.P.L.)

Notes to Pro Forma Financial Statements

As at December 31, 1967

NOTE 4 - SHARE CAPITAL

	Shares	Net Proceeds
Issued For Cash	1,795,002	$ 638,751.00
Issued for Other than Cash:		
For Mineral Properties and Shares of Subsidiary Companies	825,000	105,000.00
For Assets of Lakeland Base Metals Ltd. (N.P.L.)	1,640,004	319,002.00
For Assets of Century Exploration & Resources Ltd. (N.P.L.)	800,000	115,005.00
	5,060,006	$1,177,758.00
Authorized	10,000,000	
Balance In Treasury	4,939,994	

Of the shares issued for Consideration Other than Cash, certain shares will be subject to such restrictions as the Securities Commission or Vancouver Stock Exchange may impose.

NOTE 5 - MINERAL PROPERTIES

Certain Mineral Claims held directly and by the two wholly owned subsidiary companies, BrenCap Mines Ltd. (N.P.L.) and BrenColl Mines Ltd. (N.P.L.) are to be transferred to Brenda Mines Ltd. (N.P.L.). In consideration Brenda Mines Ltd. will carry out 3,000 feet of drilling on the claims and will pay the company $84,000.00 over a three year period starting with the commencement of production by Brenda Mines Ltd. from any of its properties. Further consideration is contingent on the results of exploration and the use made of the property.

184043
FILE NUMBER

DOMESTIC

STATE OF WASHINGTON | DEPARTMENT OF STATE

I, A. LUDLOW KRAMER, Secretary of State of the State of Washington and custodian of its seal, hereby certify that

ARTICLES OF INCORPORATION

of CENTURY EXPLORATIONS, INC.

a domestic corporation of Tacoma, Washington,

were filed for record in this office at 8:00 o'clock A. m., on this date; and I further certify that such Articles remain on file in this office.

In witness whereof I have signed and have affixed the seal of the State of Washington to this certificate at Olympia, the State Capitol,

March 17, 1967

A. LUDLOW KRAMER
SECRETARY OF STATE

APPROVED AS TO FORM AND FILED

MAR 17 1967

A. LUDLOW KRAMER
SECRETARY OF STATE
BY [signature]
SUPERVISOR OF CORPORATIONS

ARTICLES OF INCORPORATION

OF

CENTURY EXPLORATIONS, INC.

We, the undersigned incorporators, all being citizens of the United States and over the age of twenty-one years, for the purpose of forming a corporation under and pursuant to the provisions of the Uniform Business Corporation Act of the State of Washington, do hereby associate ourselves as a body corporate and adopt the following Articles of Incorporation.

ARTICLE I.

The name of this corporation shall be:

"CENTURY EXPLORATIONS, INC."

ARTICLE II.

Section 1. The purposes of this corporation are as follows:

(a) To conduct any form of mining business not contrary to law.

(b) To conduct any other business for which a corporation may lawfully be formed under the general business corporation laws of the State of Washington.

Section 2. In furtherance and not in limitation of the powers conferred by the laws of the State of Washington upon corporations organized for the foregoing purposes, this corporation shall have power: To buy, sell, convey, lease, pledge, mortgage, exchange, assign or otherwise acquire, hold and dispose of, handle and otherwise deal in and with real and personal property or any interest therein of whatever name, nature or description and wherever the same may be situated, either within or without the State of Washington and to exercise unlimitedly all rights and powers incident to the acquisition,

967793 FILED

holding or disposition of such interest; to lend money, credit or property to, guarantee or assume interest in, on contracts or obligations of, and otherwise aid or assist in any other manner corporations, associations and persons; to do all things necessary or desirable to protect or enhance directly or indirectly the value of any interest owned by the corporation or in which it may have any beneficial interest or rights; to conduct business in the State of Washington and elsewhere as may be permitted by law; to issue, purchase, hold, sell, transfer, reissue or cancel shares of its own capital stock, or its own securities or obligations, in the manner and to the extent now or hereafter authorized or permitted by the laws of the State of Washington; to borrow money, credit or property, to make contracts, to incur obligations and to secure the same by mortgage or pledge of all or part of its assets or franchises; to act for others in any capacity or manner; to participate with others and to consolidate or merge with other concerns in any business, enterprise or transaction which the company is authorized to engage in, in any manner and on any terms, to guarantee, acquire, hold, mortgage, pledge, or dispose of the shares, bonds, securities, and other evidences of indebtedness of any domestic or foreign corporation.

ARTICLE III.

The duration of the existence of this corporation shall be perpetual.

ARTICLE IV.

The location and post office address of the registered office of this corporation in the State of Washington shall be 502 Rust Building, Tacoma, Washington 98402.

ARTICLE V.

This corporation shall have and issue only one class of shares to be

designated common capital stock. The total authorized number of shares which this corporation shall be authorized to issue is five thousand (5,000) shares, each with a par value of Ten Dollars ($10.00).

ARTICLE VI.

The amount of paid-in capital with which the corporation shall begin business is Five Hundred Dollars ($500.00).

ARTICLE VII.

The management, conduct and control of the business of this corporation shall be vested in a Board of Directors, consisting of that number of members, not less than three, as shall be fixed from time to time by the shareholders at their annual meeting or at any other shareholders' meeting held for the purpose of electing a director or directors. The names and post office addresses of the first directors of this corporation are as follows:

Name	Address
Leonard Udell	Suite 318, 510 West Hastings Vancouver 2, B. C.
Charles Eadie	Suite 318, 510 West Hastings Vancouver 2, B. C.
William J. Worrall	Suite 318, 510 West Hastings Vancouver 2, B. C.

Their term of office shall be until the annual meeting of the shareholders of the company in 1968, or until their successors are elected and have qualified.

ARTICLE VIII.

The names and respective post office addresses of each of the incorporators, and the number of shares subscribed for by each (there being only one class of shares), are as follows:

Name	Address	Shares Subscribed
Warren J. Daheim	502 Rust Building Tacoma, Washington 98402	1
John E. Sloan	502 Rust Building Tacoma, Washington 98402	1
James E. O'Hern	502 Rust Building Tacoma, Washington 98402	1

IN WITNESS WHEREOF, we have hereunto set our hands in triplicate, in the City of Tacoma, State of Washington, this 16 day of March, 1967.

Warren J. Daheim

John E. Sloan

James E. O'Hern

STATE OF WASHINGTON)
) ss.
COUNTY OF PIERCE)

On this 16th day of March, 1967, before me personally appeared WARREN J. DAHEIM, JOHN E. SLOAN and JAMES E. O'HERN, to me known to be the individuals described in and who executed the within and foregoing Articles of Incorporation, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this 16th day of March, 1967.

Isabel Carlisle
Notary Public in and for the State of Washington, residing at Tacoma.

OFFICIAL COPY
O. M. S.
RECEIVED
FEB 28 1968
INITIALS | CODE

BY-LAWS

OF

CENTURY EXPLORATIONS, INC.

ARTICLE I. SHAREHOLDERS

SECTION 1. ANNUAL MEETING. The annual meeting of the shareholders shall be held on the in the month of , in each year, at the hour of for the purpose of electing directors and for the transaction of such other business as may come before the meeting. If the day fixed for the annual meeting shall be a legal holiday, such meeting shall be held on the next succeeding business day.

SECTION 2. SPECIAL MEETINGS. Special meetings of the shareholders, for any purpose or purposes may be called at any time by the President or by the Board of Directors. If more than eighteen months are allowed to elapse without the annual shareholders' meeting being held, any shareholder may call such meeting to be held at the registered office of the corporation. At any time, upon written request of any director, or of any shareholder or shareholders holding in the aggregate one-fifth of the voting power of all shareholders, it shall be the duty of the Secretary to call a special meeting of shareholders to be held at the registered office at such time as the Secretary may fix, not less than ten nor more than thirty-five days after the receipt of said request, and if the Secretary shall neglect or refuse to issue such call, the director or shareholder or shareholders making the request may do so.

SECTION 3. PLACE OF MEETING. The Board of Directors may designate any place, either within or without the state, as the place of meeting for any annual meeting or for any special meeting called by the Board of Directors. A waiver of notice signed by all shareholders entitled to vote at a meeting may designate any place, either within or without the State of Washington, as the place for the holding of such meeting. If no designation is made, or if a special meeting be otherwise called, the place of meeting shall be the registered office of the corporation. The time and place of holding the shareholders' meetings for the election of directors shall not be changed within sixty days next before the day on which the election is to be held.

SECTION 4. NOTICE OF MEETING. Written or printed notice stating the place, day and hour of the meeting and, in case of a special meeting, the purpose or purposes for which the meeting is called, shall be delivered not less than ten nor more than thirty-five days prior to the day named for the meeting, except that any notice of a change in the time or place of holding any meeting for the election of directors shall be delivered thirty days before the election is held. All notices shall be delivered either personally or by mail by or at the direction of the President, the Secretary or the officer or persons calling the meeting, to each shareholder of record entitled to vote at such meeting. If mailed, such notice shall be deemed to be delivered when deposited in the United States mail, postage prepaid, addressed to the shareholder at his last known post office address.

SECTION 5. CLOSING OF TRANSFER BOOKS OR FIXING OF RECORD DATE. For the purpose of determining shareholders entitled to notice of or to vote at any meeting of shareholders or any adjournment thereof, or shareholders entitled to receive payment of any dividend, or in order to make a determination of shareholders for any other proper purpose, the Board of Directors of the corporation may provide that the stock transfer books shall be closed for a stated period but not to exceed, in any case, fifty days. If the stock transfer books shall be closed for the purpose of determining shareholders entitled to notice of or to vote at a meeting of shareholders, such books shall be closed for at least ten days immediately preceding such meeting. In lieu of closing the stock transfer books, the Board of Directors may fix in advance a date as the record date for any such determination of shareholders, such date in any case to be not more than fifty days and, in case of a meeting of shareholders, not less than ten days prior to the date on which the particular action, requiring such determination of shareholders, is to be taken. If the stock transfer books are not closed and no record date is fixed for the determination of shareholders entitled to notice of or to vote at a meeting of shareholders, or shareholders entitled to receive payment of a dividend, the date on which notice of the meeting is mailed or the date on which the resolution of the Board of Directors declaring such dividend is adopted, as the case may be, shall be the record date for such determination of shareholders. When a determination of shareholders entitled to vote at any meeting of shareholders has been made as provided in this action, such determination shall apply to any adjournment thereof.

SECTION 6. VOTING LISTS. The officer or agent having charge of the stock transfer books for shares of the corporation shall make, at least ten days before each meeting of shareholders, a complete list of the shareholders entitled to vote at such meeting, or any adjournment thereof, arranged in alphabetical order, with the address of and the number of shares held by each, which list, for a period of ten days prior to such meeting, shall be kept on file at the registered office of the corporation and shall be subject to inspection by any shareholder at any time during usual business hours. Such list shall also be produced and kept open at the time and place of the meeting and shall be subject to the inspection of any shareholder during the whole time of the meeting. The original stock transfer book shall be prima facie evidence as to who are the shareholders entitled to examine such list or transfer books or to vote at any meeting of shareholders.

SECTION 7. QUORUM. A majority of the outstanding shares of the corporation entitled to vote, represented in person or by proxy, shall constitute a quorum at a meeting of shareholders. If less than a majority of the outstanding shares are represented at any annual or special meeting, the majority of the shares so represented may adjourn the meeting from time to time without further notice, but any meeting at which directors are to be elected shall be adjourned only from day to day until such directors have been elected. The shareholders present at a duly organized meeting may continue to transact business until adjournment, notwithstanding the withdrawal of enough shareholders to leave less than a quorum.

SECTION 8. PROXIES. At all meetings of shareholders, a shareholder may vote by proxy executed in writing by the shareholder or by his duly authorized attorney in fact. Such proxy shall be filed with the Secretary of the corporation before or at the time of the meeting. No proxy shall be valid after eleven months from the date of its execution,

unless otherwise provided in the proxy.

SECTION 9. VOTING OF SHARES. Subject to the provisions of Section 10 of this Article I, each outstanding share entitled to vote shall be entitled to one vote upon each matter submitted to a vote at a meeting of shareholders.

SECTION 10. CUMULATIVE VOTING. At each election for directors every shareholder entitled to vote at such election shall have the right to vote, in person or by proxy, the number of shares owned by him for as many persons as there are directors to be elected and for whose election he has a right to vote, or to cumulate his votes by giving one candidate as many votes as the number of such directors multiplied by the number of his shares shall equal, or by distributing such votes on the same principle among any number of candidates.

SECTION 11. INFORMAL ACTION BY SHAREHOLDERS. Any action required to be taken at a meeting of the shareholders, or any other action which may be taken at a meeting of the shareholders, may be taken without a meeting if a consent in writing, setting forth the action so taken, shall be signed by all of the shareholders entitled to vote with respect to the subject matter thereof.

ARTICLE II. BOARD OF DIRECTORS

SECTION 1. GENERAL POWERS. The business and affairs of the corporation shall be managed by its Board of Directors.

SECTION 2. NUMBER, TENURE AND QUALIFICATIONS. The number of directors of the corporation shall be not less than three, the specific number for any year to be fixed by the shareholders at the annual meeting or at any other meeting held for the purpose of electing a director or directors. Each director shall hold office until the next annual meeting of the shareholders, or for such other period as he may have been elected and until his successor shall have been elected and qualified. Directors need not be residents of the State of Washington or shareholders of the corporation.

SECTION 3. REGULAR MEETINGS. A regular meeting of the Board of Directors shall be held without other notice than this by-law immediately after, and at the same place as, the annual meeting of shareholders. The Board of Directors may provide, by resolution, the time and place, either within or without the State of Washington for the holding of additional regular meetings without other notice than such resolution.

SECTION 4. SPECIAL MEETINGS. Special meetings of the Board of Directors may be called by or at the request of the President or any two directors. A majority of the Board of Directors may fix any place either within or without the State of Washington, as the place for holding any special meeting of the Board of Directors; otherwise, any special meeting shall be held at the registered office of the corporation.

SECTION 5. NOTICE. Notice of any special meeting shall be given at least three days previously thereto by written notice delivered personally

or mailed to each director at his business address, or by telegram. If mailed, such notice shall be deemed to be delivered when deposited in the United States mail so addressed, with postage thereon prepaid. If notice be given by telegram, such notice shall be deemed to be delivered when the telegram is delivered to the telegraph company. The attendance of a director at a meeting shall constitute a waiver of notice of such meeting, except where a director attends a meeting for the express purpose of objecting to the transaction of any business because the meeting is not lawfully called or convened. Neither the business to be transacted at, nor the purpose of, any regular or special meeting of the Board of Directors need be specified in the notice or waiver of notice of such meeting.

SECTION 6. QUORUM. A majority of the Board of Directors shall constitute a quorum for the transaction of business at any meeting of the Board of Directors, but if less than such majority is present at a meeting, a majority of the directors present may adjourn the meeting from time to time without further notice.

SECTION 7. MANNER OF ACTING. The act of the majority of the directors present at a meeting at which a quorum is present shall be the act of the Board of Directors.

SECTION 8. EXECUTIVE COMMITTEE. The Board of Directors may, by resolution passed by a majority of the whole Board, designate two or more of their number to constitute an Executive Committee, who, to the extent provided in said resolution, shall have and exercise the authority of the Board of Directors in the management of the business of the corporation.

SECTION 9. VACANCIES. Any vacancy occurring in the Board of Directors may be filled by the affirmative vote of a majority of the remaining directors though less than a quorum of the Board of Directors. A director elected to fill a vacancy shall be elected for the unexpired term of his predecessor in office. Any directorship to be filled by reason of an increase in the number of directors shall be filled by election at an annual meeting or at a special meeting of shareholders called for that purpose.

SECTION 10. REMOVAL OF DIRECTOR. Any director may be removed by the vote of the shareholders holding a majority of the outstanding shares entitled to vote at a special meeting called for that purpose, and upon such removal a vote of the shareholders in said meeting may at once be taken to fill such vacancy or vacancies. Unless the entire Board be removed, no individual director shall be removed in case the votes of a sufficient number of shares are cast against the resolution for his removal, which if cumulatively voted at an election of the full Board would be sufficient to elect one or more directors.

SECTION 11. PRESUMPTION OF ASSENT. A director of the corporation who is present at a meeting of the Board of Directors at which action on any corporate matter is taken shall be presumed to have assented to the action taken unless his dissent shall be entered in the minutes of the meeting or unless he shall file his written dissent to such action with the person acting as

the Secretary of the meeting before the adjournment thereof or shall forward such dissent by registered mail to the Secretary of the corporation immediately after the adjournment of the meeting. Such right to dissent shall not apply to a director who voted in favor of such action.

ARTICLE III. OFFICERS

SECTION 1. NUMBER. The officers of the corporation shall be a President, one or more Vice Presidents (the number thereof to be determined by the Board of Directors), a Secretary and a Treasurer, each of whom shall be elected by the Board of Directors. Such other officers and assistant officers as may be deemed necessary may be elected or appointed by the Board of Directors. With the exception of the office of President, any two or more offices may be held by the same person.

SECTION 2. ELECTION AND TERM OF OFFICE. The officers of the corporation to be elected by the Board of Directors shall be elected annually by the Board of Directors at the first meeting of the Board of Directors held after each annual meeting of the shareholders. If the election of officers shall not be held at such meeting, such election shall be held as soon thereafter as conveniently may be. Each officer shall hold office until his successor shall have been duly elected and shall have qualified or until his death or until he shall resign or shall have been removed in the manner hereinafter provided.

SECTION 3. REMOVAL. Any officer or agent elected or appointed by the Board of Directors may be removed by the Board of Directors whenever in its judgment the best interests of the corporation would be served thereby, but any such removal shall be without prejudice to the contract rights, if any, of the person so removed.

SECTION 4. VACANCIES. A vacancy in any office because of death, resignation, removal, disqualification or otherwise, may be filled by the Board of Directors for the unexpired portion of the term.

SECTION 5. PRESIDENT. The President shall be the principal executive officer of the corporation and, subject to the control of the Board of Directors, shall in general supervise and control all of the business and affairs of the corporation. He shall, when present, preside at all meetings of the shareholders and of the Board of Directors. He may sign, with the Secretary or Assistant Secretary or any other proper officer of the corporation thereunto authorized by the Board of Directors, certificates for shares of the corporation, any deeds, mortgages, bonds, contracts, or other instruments which the Board of Directors has authorized to be executed, except in cases where the signing and execution thereof shall be expressly delegated by the Board of Directors or by these by-laws to some other officer or agent of the corporation, or shall be required by law to be otherwise signed or executed; and in general shall perform all duties incident to the office of President and such other duties as may be prescribed by the Board of Directors from time to time.

SECTION 6. VICE PRESIDENT. In the absence of the President or in the event of his death, inability or refusal to act, the Vice President (or in

the event there be more than one Vice President, the Vice Presidents in the order designated at the time of their election, or in the absence of any designation, then in the order of their election) provided he is a member of the Board of Directors, shall perform the duties of the President, and when so acting, shall have all the powers of and be subject to all the restrictions upon the President. Any Vice President who is a member of the Board of Directors may sign with the Secretary or an Assistant Secretary certificates for shares of the corporation; and shall perform such other duties as from time to time may be assigned to him by the President or by the Board of Directors.

SECTION 7. THE SECRETARY. The Secretary shall: (a) keep the minutes of the shareholders' and of the Board of Directors' meetings in one or more books provided for that purpose; (b) see that all notices are duly given in accordance with the provisions of these by-laws or as required by law; (c) be custodian of the corporate records and of the seal of the corporation and see that the seal of the corporation is affixed to all documents the execution of which on behalf of the corporation under its seal is duly authorized; (d) keep a register of the post office address of each shareholder which shall be furnished to the Secretary by such shareholder; (e) sign with the President, or a Vice President, certificates for shares of the corporation, the issuance of which shall have been authorized by resolution of the Board of Directors; (f) have general charge of the stock transfer books of the corporation; and (g) in general perform all duties incident to the office of Secretary and such other duties as from time to time may be assigned to him by the President or by the Board of Directors.

SECTION 8. THE TREASURER. If required by the Board of Directors, the Treasurer shall give a bond for the faithful discharge of his duties in such sum and with such surety or sureties as the Board of Directors shall determine. He shall: (a) have charge and custody of and be responsible for all funds and securities of the corporation; receive and give receipts for moneys due and payable to the corporation from any source whatsoever, and deposit all such moneys in the name of the corporation in such banks, trust companies or other depositaries as shall be selected in accordance with the provisions of Article IV of these by-laws; and (b) in general perform all of the duties incident to the office of Treasurer and such other duties as from time to time may be assigned to him by the President or by the Board of Directors.

SECTION 9. ASSISTANT SECRETARY. Any Assistant Secretary elected by the Board of Directors may sign with the President or a Vice President, certificates for shares of the corporation, the issuance of which shall have been authorized by a resolution of the Board of Directors. In the absence of the Secretary or in the event of his death, inability or refusal to act, the Assistant Secretary shall perform the duties of Secretary and when so acting shall have all the powers of and be subject to all the restrictions upon the Secretary. The Assistant Secretary in general shall perform such duties as shall be assigned to him by the Secretary, President or Board of Directors.

SECTION 10. ASSISTANT TREASURER. Any Assistant Treasurer elected by the Board of Directors shall, if required by the Board, give bond for the faithful discharge of his duties in such sums and with such sureties as the Board of Directors shall determine. In the absence of the Treasurer or in the event of his death, inability or refusal to act, the Assistant Treasurer shall

perform the duties of Treasurer, and when so acting shall have all the powers of and be subject to all the restrictions upon the Treasurer. The Assistant Treasurer in general shall perform such duties as shall be assigned to him by the Treasurer, President or Board of Directors.

SECTION 11. SALARIES. The salaries of the officers shall be fixed from time to time by the Board of Directors and no officer shall be prevented from receiving such salary by reason of the fact that he is also a director of the corporation.

ARTICLE IV. CONTRACTS, LOANS, CHECKS AND DEPOSITS

SECTION 1. CONTRACTS. The Board of Directors may authorize any officer or officers, agent or agents, to enter into any contract or execute and deliver any instrument in the name of and on behalf of the corporation, and such authority may be general or confined to specific instances.

SECTION 2. LOANS. No loans shall be contracted on behalf of the corporation and no evidences of indebtedness shall be issued in its name unless authorized by a resolution of the Board of Directors. Such authority may be general or confined to specific instances.

SECTION 3. CHECKS, DRAFTS, ETC. All checks, drafts or other orders for the payment of money, notes or other evidences of indebtedness issued in the name of the corporation, shall be signed by such officer or officers, agent or agents of the corporation and in such manner as shall from time to time be determined by resolution of the Board of Directors.

SECTION 4. DEPOSITS. All funds of the corporation not otherwise employed shall be deposited from time to time to the credit of the corporation in such banks, trust companies or other depositaries as the Board of Directors may select.

ARTICLE V. CERTIFICATES FOR SHARES AND THEIR TRANSFER

SECTION 1. CERTIFICATES FOR SHARES. Certificates representing shares of the corporation shall be signed by the President or a Vice President and by the Secretary or an Assistant Secretary. All certificates for shares shall be consecutively numbered or otherwise identified. The name and address of the person to whom the shares represented thereby are issued, with the number of shares and date of issue, shall be entered on the stock transfer books of the corporation. All certificates surrendered to the corporation for transfer shall be canceled and no new certificate shall be issued until the former certificate for a like number of shares shall have been surrendered and canceled, except that in case of a lost, destroyed or mutilated certificate a new one may be issued therefor upon such terms and indemnity to the corporation as the Board of Directors may prescribe.

SECTION 2. TRANSFER OF SHARES. Transfer of shares of the corporation shall be made only on the stock transfer books of the corporation by the holder of record thereof or by his legal representative, who shall furnish proper evidence of authority to transfer, or by his attorney thereunto authorized by power of attorney duly executed and filed with the Secretary of the

corporation, and on surrender for cancelation of the certificate for such shares. The person in whose name shares stand on the books of the corporation shall be deemed by the corporation to be the owner thereof for all purposes.

ARTICLE VI. DIVIDENDS

The Board of Directors may from time to time declare, and the corporation may pay, dividends on its outstanding shares in the manner and upon the terms and conditions provided by law and its Articles of Incorporation.

ARTICLE VII. WAIVER OF NOTICE

Whenever any notice is required to be given to any shareholder or director of the corporation under the provisions of these by-laws or under the provisions of the Articles of Incorporation or under the provisions of the Business Corporation Act of the State of Washington, a waiver thereof in writing, signed by the person or persons entitled to such notice, whether before or after the time stated therein, shall be deemed equivalent to the giving of such notice.

ARTICLE VIII. SEAL

The corporate seal shall be the following impression:

ARTICLE IX. FISCAL YEAR

The fiscal year of the corporation shall end on the _____ day of _____ of each year.

ARTICLE X. AMENDMENTS

These by-laws may be altered, amended or repealed and new by-laws may be adopted by the shareholders or by the Board of Directors at any annual meeting or at any special meeting called for that purpose. All by-laws adopted by the Board of Directors may be repealed or amended at the annual meeting or at any other meeting of the shareholders called for that purpose, except the Board of Directors shall not make or alter any by-laws fixing their qualifications, term of office or compensation.

25th November 1967

A. C. SKERL

SUNRISE PROSPECT

SULTAN BASIN

SNOHOMISH COUNTY

WASHINGTON.

PHYSICAL DESCRIPTION

a) Until this year the previous exploration consisted of

1. A tunnel 255 feet long with short crosscuts at 4 positions along it. This was driven at intervals between 1913 and 1929 to explore a quartz vein presumably in search of precious metals.

2. Two other short tunnels, each 35 feet long, to explore quartz-sulphide veins. These were also driven between 1913 and 1929.

3. Three areas in which the mineralized breccia was blasted out to expose the fresh sulphides. This was also done in the same period and over a recorded length of 370 feet.

4. A series of 8 shallow, small diameter, exploration diamond drill holes for which the records are not complete. These were drilled by Malaspina Mining in 1963-4.

5. This year the present operators have drilled four B-core holes with wire line equipment with good recoveries. . These holes are shown on the accompanying map and sections to a scale of 1" to 50'.

b) Century Incorporated has provided 50% of the funds, BrenMac Mines 25% and Lakeland Mines 25% for the work done to date this year.

c) There has been no production from the property.

d) There are no known ore reserves as such.

e) The geology is described in detail in Bulletin 36 of the State of Washington, 1945.

The rocks of the general area consist of a metamorphic series of impure quartzites intruded by quartz diorite. At the prospect there is a breccia pipe of explosive origin situated between two stocks of quartz diorite that are 3000 feet apart. At the surface the breccia is roughly oval in outline with a long axis of 600 feet orientated N N W. The breccia is crossed by a zone of steep fractures striking E N E that is at least 2000 feet long and that extends into the quartz diorite at the east end.
The interstices between the quartzite fragments of the breccia are mineralized by quartz, calcite, chalcopyrite, pyrrhotite, molybdenite and sporadic scheelite. The fractures of the crossing zone are similarly mineralized both in the breccia and outside.

ACCESSIBILITY

a) The company has a large cabin for a base camp at the end of the Sultan Basin road. About two mile back from this cabin the Vesper Peak trail leads to the Sunrise property. An active person can reach the mine in 1 hour but two hours is more reasonable.
At least once every week a helicopter is available for transporting supplies to the drillers and to bring out the diamond drill core which is stored at the cabin.

To make arrangements to visit the property it is best to contact the Vancouver manager, Mr. L. Udell by phone at 683-2568 (office) or 922-4660 (home).

b) The immediate shipping and supply point is Sultan on the Stevens Pass Highway and the Great Northern Railway, about 25 miles by road from the base camp.

EXPLORATION WORK

a) It is essential to drill the deposit in a systematic manner to ascertain the true average grade. Because of the precipitous terrain and short summer season it is not practical to do this from the surface. An underground operation is therefore proposed that would consist of an adit 2800 feet long to the deposit on the 3000 level and then about 1200 feet of drifts on the perimeter of the deposit to provide drill stations. These would be cut so that fans of diamond drill holes could be drilled on four sections at 100 feet apart for 1000 feet up and 1000 feet down. The sections would be orientated so that the drill holes would cut both the cross stringers and the margins of the breccia at a fair angle. About 40,000 feet of diamond drilling would be required.
To obtain a reasonable rate of advance with modern equipment the tunnel should be about 8 ft by 8 ft in section. The grade would be ¼% because of the possibility of eventually using it for reversed transportation via a connection into the next valley where there is more room for plant, tailing disposal etc.
The diamond drilling would be done with B-wireline equipment.
The topographic map (1" to 1000') shows the position of the proposed adit relative to the breccia deposit, the diorite contacts and the access road.
The proposed layout for the drilling from the 3000 ft level is shown in plan and section (1" to 100').

Expl. + Dev

b) An access road has been surveyed from the Sultan Basin road to the proposed portal site. It is 9000 feet long on a steady 15% grade. It is entirely in well-timbered land with no rock or snow slide hazards. The road is now being constructed according to the State Forestry regulations.

c) The road has already been started so that it will be possible to prepare for the tunnel at any time after December 1st 1967.
It is expected that the tunnel advance will average 750 feet per month and that the first drill station will be ready for use about 4 months after the start of the tunnel. A second diamond drill would begin operation about 2 weeks later. On a three shift basis and 50 feet per shift the drilling should be completed in six months.

EXPERIENCE

The work will be under the direction of Dr.A.C.Skerl P.Eng. - a mining geologist- who has had wide experience in mining exploration in Africa, Philippines, Canada and U. S. A. from 1929 to date.

f) On the accompanying map(1" to 50') the sampling results obtained by previous operators are shown for the main tunnel, the open cuts and shallow diamond drill holes. No official records are now available but an inspection of the exposures suggests that the assays are reasonable.

The first drill hole (# 11) of the present operator started at -58°, entered the breccia at 703 feet and left it at 1308 feet. It showed that the breccia had a dip of 75° to 80° W and that the horizontal width was about 400 feet at the 3200 ft elevation which is 1500 feet below the highest point of the outcrop. The core was carefully split into two and assayed in 10 ft lengths by two assay offices. The results from the Wenatchee Assay Office were accepted in preference because of descrepancies in the returns from the other office. The average grade for the 605 feet was 0.50% Cu, 0.046% MoS_2, 0.0023 oz Au and 0.13 oz Ag per ton. The overall core loss for this length was 3% of which half was in one ten ft length where the core was dropped in the hole and ground up.

A second hole (#13) into the breccia gave similar results. It was on a parallel section to the first and 160 feet to the north. It entered the breccia at 557 feet and left it at 973 feet although mineralization was present for another 47 feet associated with faulting. The indicated width at the 3600 elevation is 380 feet. The average grade for 484 feet is 0.36% Cu, 0.041% MoS_2, 0.0008 oz Au and 0.037 oz Ag per ton of which a length of 190 feet averages 0.41% Cu, 0.080% MoS_2, 0.03 oz Ag.

A third hole (# 12) was aimed into the cross-fracture zone for 565 feet from a position 400 feet east of the breccia. Stringers of quartz that were mineralized with chalcopyrite and pyrrhotite were encountered in the quartzite from 180 to 510 ft. From 510 to 565 feet the hole was in quartz diorite. The average grade from 310 to 500 feet was 0.22% Cu for a horizontal width of 140 feet.

A fourth hole (# 14) that was drilled into the cross-fracture zone in the quartz diorite about 1400 feet east of the breccia pipe gave only 0.17% Cu for 30 feet.

Drill holes Nos 11 and 13 strongly suggest that a large body of copper-molybdenum ore could exist in the breccia pipe. The present indications of the dimensions give a possible tonnage of 19 million above the 3000 level and another 15 million between the 3000 and 2000 level.

The main evidence for the possible grade is in these two drill holes. Using the figures of 40¢ per lb for copper, $1.00 per lb for molybdenite, $35.00 per ounce for gold and $1.80 per ounce for silver with 90% recovery of each metal the ore in No 11 hole would yield $4.73 per ton and in No 13 hole would yield $3.38 for the full width or $4.46 for the length of 190 feet.

The shape of the ore-body and the strength of the rock are excellent conditions for a low cost, block caving method of mining.

g) This report is accompanied by the following plans :

1. Sunrise deposit and workings (1" to 50')
2. Section through drill hole No 11 (1" to 50')
3. " " " " No 12 (1" to 50')
4. " " " " No 13 (1" to 50')
5. " " " " No 14 (1"to 50')
6. Topographic map (1" to 1000')
7. Plan of proposed drill sections on 3000 level
8. Proposed underground drill section.

ESTIMATE OF COSTS

a) The following costs are expected for the work done by contractors and service companies :

	$	
Access road 9000 feet	10,000	
Tunnel and drill stations - 4000 ft @ $70.00 per ft.	280,000	
Diamond drilling B-wireline - 38,000 ft at av. $4.00 per ft	152,000	
Assaying - 5000 samples @ $5.00	25,000	
		467,000

b) Personal services are estimated for 12 months as follows :

Supervision	12,000	
Engineering geologist	9,600	
Consultant	6,000	
Helper	4,800	32,400

c) Materials and supplies for engineering 1,200 — 1,200

d) Operating equipment

Plant for crushing and sampling of drift muck and core	10,000	
		10,000

Miscellaneous :

Transportation - pick-up truck	3,000	
operation of truck	1,000	
Rental on trailer at $75.00 per month	900	
Travelling expenses and board	3,000	
		7,900
		518,500
Contingencies		31,500
Total		$550,000

A. C. Skerl

ITEM # 2

2. Applicant's Rights in Lands

(i) The applicant is the holder by assignment of an option to purchase the following unpatented mineral claims situate in Snohomish County, Washington, namely:

> Quaker, Wall Street and Oxidental (sometimes known as the "Occidental") and Eldorado known as the "Sunrise Mining Claims"

and any contiguous claims owned by the Lessors alone or together located in Sections 10 and 15, Township 29, North, Range 10, East of the West Meridian, together with all equipment now located on the said property. Notice of amended location Eldorado mineral claim filed Volume 39, page 55, Amended Notice of location of Oxidental filed Volume 39, page 56, Amended Notice of location of Quaker City filed Volume 37, page 353, Amended Notice of location of Wall Street filed Volume 37, page 354.

The option rights are granted by an Agreement dated the 7th of April, 1967, the option being granted by Marvel Curtiss as to 26%, S.G. Kelley as to 49% and Hazel Weinert as to 25%. For particulars of any encumbrances against the property reference is made to the title opinion of Messrs. Blair, Thomas, O'Hern and Daheim of Tacoma, Washington. Since the date of such opinion the Option Agreements in favour of Century Explorations, Inc. have been recorded, such recording being on the 3rd of August, 1967.

(ii) The legal description of the land on which the applicant wishes to explore is:

Unpatented mineral claims situate in the Snohomish County of Washington in Sections 10 and 15, Township 29 North, Range 10 East of the West Meridian being Quaker, Wall Street, Oxidental and Eldorado known as the "Sunrise Mining Claims"

Willamette

The Company also holds leases and options to purchase covering an additional 52 claims in the Snohomish County area, such properties being known generally as the Sultan Basin, Florence Rae, Doris and Sultan King groups and in addition is the holder of 110 claims staked on Federal lands and has applied for 34 leases on State of Washington lands. The Company does not presently propose such additional lands or workings to be subject to government royalty and liens.

(iii) See attached lien and subordination agreement.
Signed by Applicant

STATE OF WASHINGTON

Department of

Natural Resources

COMMISSIONER
BERT COLE

SUPERVISOR
DON LEE FRASER

BOX 168
OLYMPIA, WASHINGTON
98501

April 27, 1967

Century Explorations, Inc.
502 Rust Building
Tacoma, Washington 98402

Gentlemen:

Your application to lease, for mineral prospecting purposes, the NE$\frac{1}{4}$NE$\frac{1}{4}$, S$\frac{1}{2}$N$\frac{1}{2}$, S$\frac{1}{2}$, Section 15, Township 29 North, Range 10 East, W.M., has been filed under Application No. 58612. Please refer to this number in future correspondence concerning this application.

Very truly yours,

BERT L. COLE
Commissioner of Public Lands

By Eugene C. Howe
Eugene C. Howe
Office Manager

ECH:fs
cc: Daniel E. Bigger

OPTION TO PURCHASE

THIS AGREEMENT is made and entered into on the 7th day of April, 1967, by and between MARVELL CURTISS, S. G. KELLEY and HAZEL WEINERT, owners of four (4) unpatented mining claims, hereinafter designated as "Lessors", and KEITH HAWKINS and KENNETH ARMSTRONG, hereinafter designated "Lessees",

W I T N E S S E T H :

In consideration of Ten ($10.00) Dollars and other valuable consideration, receipt of which is hereby acknowledged, the Lessors do hereby grant to the Lessees, their associates, successors and heirs, the exclusive right and option for a period of ten (10) years from the date hereof, to purchase all right, title and interest of Lessors in the following described mining area of Snohomish County, Washington, to-wit:

> Quaker, Wall Street, Oxidental and Eldorado, known as the Sunrise Mining Claims, and any contiguous claims owned by Lessors alone or together, located in Sections 10 and 15, Township 29 North, Range 10, E.W.M., in the Sultan Basin Mining District, together with all equipment now located on said property.

Said Lessors respective own the following percentage in the Sunrise Mining Claims: MARVELL CURTIS, twenty-six (26%) per cent; S. G. KELLEY, forty-nine (49%) per cent; and HAZEL WEINERT, as her sole and separate property, twenty-five (25%) per cent.

Lessors warrant that they are the owners free and clear of all encumbrances.

The purchase price for all of the foregoing property and appurtenances unto it belonging shall be the sum of One Hundred Forty Thousand ($ 140,000.00) Dollars.

During the life of this option, the Lessees, or their assigns, shall have the exclusive right to take immediate possession of the above-described property and continue in possession during the term of this option, and shall have the exclusive right to mine and extract minerals from said property, providing the following terms of the lease are complied with, to-wit:

1. The assessment work of Five Hundred ($500.00) Dollars or its equivalent per year on the four claims included in the property shall be performed each year.

2. Title to the personal property and equipment located on the property shall remain in the Lessors until One Hundred Forty Thousand ($140,000.00) Dollars has been paid on the purchase price, at which time the Lessors agree to convey by bill of sale such equipment to Lessees.

3. This agreement may be assigned without leave and shall be binding upon and enure to the benefit of the parties, their respective heirs, executors, administrators and assigns. It is expressly agreed between Lessors and Lessees that in the event Lessees assign their interests in this option to others, and the others default in the terms and conditions of this option, Lessees herein will have the option to retake possession of the property and again deal with Lessors after having corrected the default of Lessees' assigns.

4. The Lessors shall have the right of inspection and examination of the operation and development of the property at all times. The Lessees agree to keep safely and furnish all copies of all records of work done, drill cores, copies of assays and records of surveys.

5. During the life of this option, the purchasers shall pay all personal property taxes, all bills and expenses incurred by them promptly, and by such prompt payment shall prevent the filing of any and all liens of mechanics, miners and materialmen, and any and all other obligations which may become a lien or charge against said property, including the payment of Industrial Insurance, Social Security, Occupational Tax and all like charges. For these purposes, the Lessors shall be offered an opportunity to examine the books of the Lessees at reasonable times and places.

6. The Lessees shall comply with all the rules and regulations prescribed by the State of Washington or the United States for the safety of employees on the property and assume all responsibility in case of accident to employees or persons in or about said property and agree to indemnify and save harmless the Lessors from all which may be asserted by persons or property injured in or about the premises.

7. The Lessees agree to carry on their development, examination and inspection of the property in a workmanlike manner, with due regard to the development and preservation of the mining premises as workable mining property.

8. This is an option to purchase and not an agreement to purchase and may be abandoned by the optionees on notice or failure to make any payment hereunder, whereupon the optionees shall hand over to the owners all records of work done on the property, including remaining drill core and then may remove any buildings, machinery and equipment erected or brought upon the property during the life of this option and thereafter be under no further obligation whatsoever in respect to this agreement.

9. Time is of the essence, and failure to comply with any term hereof by the Lessees, the owners may give the optionees notice, in writin, specifying the default and requiring it to be remedied, then if such specified default continues for thirty (30) days thereafter, the owners may, by written notice, cancel the option. In the event of default by Lessees or their assigns in any of the terms and conditions of this contract, Lessors may, by written notice, declare this contract to be in default, and if, at the end of the thirty-day period, Lessees or their assigns have not corrected the default, these claims, along with all improvements and appurtenances, shall revert back to Lessors. Any payments previously paid by Lessees in accordance with the terms of this contract shall be forfeited and become the property of Lessors. Said forfeiture of payments made shall be Lessors' only remedy in the event of default.

10. The payments herein contemplated shall constitute rental payments during the term of this option, which shall all apply towards the purchase price of One Hundred Forty Thousand ($140,000.00) Dollars. Upon the payment of said amount, the option will be considered automatically exercised by Lessees, and the property will be conveyed by Lessors to Lessees or their assigns.

11. Upon the signing of this instrument, Lessees will pay to Lessors the sum of One Thousand ($1,000.00) Dollars, and each and every month thereafter for the first year, the Lessees shall pay to Lessors the sum of One Hundred Fifty ($150.00) Dollars; for each and every month during the second year of this option, Lessees shall pay Lessors the sum of Two Hundred Fifty ($250.00) Dollars; during each and every month of the third year of this option, Lessees shall pay to Lessors the sum of Three Hundred Fifty ($350.00) Dollars; at the end of the third year and beginning at the end of the fourth year, and at the end of each year thereafter, Lessees shall pay a yearly sum of one-seventh (1/7) of the balance remaining due on the purchase price after the end of the third year. All payments, except the initial payment of $1,000.00, shall be paid into a collection account in the name of Lessors at the Seattle-First National Bank, Snohomish Branch, 903 Second Street, Snohomish, Washington.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals the day and year first above written.

Marvell Curtiss
MARVELL CURTISS

S. G. Kelley
S. G. KELLEY

Hazel Weinert
HAZEL WEINERT

Lessors

Keith Hawkins
KEITH HAWKINS

Kenneth Armstrong
KENNETH ARMSTRONG

Lessees

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me MARVELL CURTISS, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that she signed the same as her free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald F. Carter
Notary Public in and for the State of Washington, residing at Everett

CENTURY EXPLORATIONS, INC. 502 Rust Bldg. Tacoma, Washington. 98402

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me S. G. KELLEY, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that he signed the same as his free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald A Fenton
Notary Public in and for the State of Washington, residing at Everett

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me HAZEL WEINERT, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that she signed the same as her free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald A Fenton
Notary Public in and for the State of Washington, residing at Everett

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me KEITH HAWKINS, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that he signed the same as his free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald A Fenton
Notary Public in and for the State of Washington, residing at Everett

STATE OF WASHINGTON)
) ss
COUNTY OF SNOHOMISH)

On this day personally appeared before me KENNETH ARMSTRONG, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that he signed the same as his free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

Donald A Eenter
Notary Public in and for the State of Washington, residing at Everett

I, GRACE KELLEY, being the wife of S. G. KELLEY, do hereby join him in the above option to purchase and approve the above document in all its terms and conditions and by this, my signature, agree to grant and convey any interest I own in the above claim, either individually or as a member of the marital community composed of S. G. KELLEY and myself.

Grace Kelley
Grace Kelley

STATE OF WASHINGTON)
ss.
COUNTY OF SNOHOMISH)

On this day personally appeared before me GRACE KELLEY, to me known to be the individual described in and who executed the within and foregoing consent, and acknowledged to me that she signed the same as her free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN under my hand and official seal this 7 day of April, 1967.

Donald A Eenter
Notary Public in and for the State of Washington, residing at Everett.

2. b. All lands shown on the enclosed Map are not subject to Government Royalty and Liens except for the following Claims, i.e.

QUAKER

WALL STREET

OXIDENTAL

ELDORADO

known as the "Sunrise Group".

ITEM # 3

25th November 1967

A. C. SKERL

OFFICIAL COPY
O. M. E.
RECEIVED
FEB 28 1968
INITIALS | CODE

SUNRISE PROSPECT
SULTAN BASIN
SNOHOMISH COUNTY
WASHINGTON.

PHYSICAL DESCRIPTION

a) Until this year the previous exploration consisted of

1. A tunnel 255 feet long with short crosscuts at 4 positions along it. This was driven at intervals between 1913 and 1929 to explore a quartz vein presumably in search of precious metals.

2. Two other short tunnels, each 35 feet long, to explore quartz-sulphide veins. These were also driven between 1913 and 1929.

3. Three areas in which the mineralized breccia was blasted out to expose the fresh sulphides. This was also done in the same period and over a recorded length of 370 feet.

4. A series of 8 shallow, small diameter, exploration diamond drill holes for which the records are not complete. These were drilled by Malaspina Mining in 1963-4.

5. This year the present operators have drilled four B-core holes with wire line equipment with good recoveries. These holes are shown on the accompanying map and sections to a scale of 1" to 50'.

b) Century Incorporated has provided 50% of the funds, BrenMac Mines 25% and Lakeland Mines 25% for the work done to date this year.

c) There has been no production from the property.

d) There are no known ore reserves as such.

e) The geology is described in detail in Bulletin 36 of the State of Washington, 1945.

The rocks of the general area consist of a metamorphic series of impure quartzites intruded by quartz diorite. At the prospect there is a breccia pipe of explosive origin situated between two stocks of quartz diorite that are 3000 feet apart. At the surface the breccia is roughly oval in outline with a long axis of 600 feet orientated N N W. The breccia is crossed by a zone of steep fractures striking E N E that is at least 2000 feet long and that extends into the quartz diorite at the east end.
The interstices between the quartzite fragments of the breccia are mineralized by quartz, calcite, chalcopyrite, pyrrhotite, molybdenite and sporadic scheelite. The fractures of the crossing zone are similarly mineralized both in the breccia and outside.

f) On the accompanying map(1" to 50') the sampling results obtained by previous operators are shown for the main tunnel, the open cuts and shallow diamond drill holes. No official records are now available but an inspection of the exposures suggests that the assays are reasonable.

The first drill hole (# 11) of the present operator started at -58°, entered the breccia at 703 feet and left it at 1308 feet. It showed that the breccia had a dip of 75° to 80° W and that the horizontal width was about 400 feet at the 3200 ft elevation which is 1500 feet below the highest point of the outcrop. The core was carefully split into two and assayed in 10 ft lengths by two assay offices. The results from the Wenatchee Assay Office were accepted in preference because of descrepancies in the returns from the other office. The average grade for the 605 feet was 0.50% Cu, 0.046% MoS_2, 0.0023 oz Au and 0.13 oz Ag per ton. The overall core loss for this length was 3% of which half was in one ten ft length where the core was dropped in the hole and ground up.

A second hole (#13) into the breccia gave similar results. It was on a parallel section to the first and 160 feet to the north. It entered the breccia at 557 feet and left it at 973 feet although mineralization was present for another 47 feet associated with faulting. The indicated width at the 3600 elevation is 380 feet. The average grade for 484 feet is 0.36% Cu, 0.041% MoS_2, 0.0008 oz Au and 0.037 oz Ag per ton of which a length of 190 feet averages 0.41% Cu, 0.080% MoS_2, 0.03 oz Ag.

A third hole (# 12) was aimed into the cross-fracture zone for 565 feet from a position 400 feet east of the breccia. Stringers of quartz that were mineralized with chalcopyrite and pyrrhotite were encountered in the quartzite from 180 to 510 ft. From 510 to 565 feet the hole was in quartz diorite. The average grade from 310 to 500 feet was 0.22% Cu for a horizontal width of 140 feet.

A fourth hole (# 14) that was drilled into the cross-fracture zone in the quartz diorite about 1400 feet east of the breccia pipe gave only 0.17% Cu for 30 feet.

Drill holes Nos 11 and 13 strongly suggest that a large body of copper-molybdenum ore could exist in the breccia pipe. The present indications of the dimensions give a possible tonnage of 19 million above the 3000 level and another 15 million between the 3000 and 2000 level.

The main evidence for the possible grade is in these two drill holes. Using the figures of 40¢ per lb for copper, $1.00 per lb for molybdenite, $35.00 per ounce for gold and $1.80 per ounce for silver with 90% recovery of each metal the ore in No 11 hole would yield $4.73 per ton and in No 13 hole would yield $3.38 for the full width or $4.46 for the length of 190 feet.

The shape of the ore-body and the strength of the rock are excellent conditions for a low cost, block caving method of mining.

g) This report is accompanied by the following plans :

1. Sunrise deposit and workings (1" to 50')
2. Section through drill hole No 11 (1" to 50')
3. " " " " No 12 (1" to 50')
4. " " " " No 13 (1" to 50')
5. " " " " No 14 (1"to 50')
6. Topographic map (1" to 1000')
7. Plan of proposed drill sections on 3000 level
8. Proposed underground drill section.

P. O. Box 1668
Wenatchee, Washington 98801

WENATCHEE ASSAY OFFICE

CERTIFICATE OF ASSAY

Telephone NOrmandy 2-6117
Laboratory — Squilchuck Road

TO: Bren Mac Mines
510 Hastings Street
Vancouver 2, B.C.

Assay per ton of 2000 pounds

Name	Number	Au oz	Ag oz	Cu %	Pb %	Zn %	Mo %		
-66									
BRENMAC MINES 576	S-146			0.270					
36	S-147			0.400					
686-696	S-148			0.335					
-706	S-149			0.342					
- 16	S-150			0.498					
26	S-151			0.095					
36	S-152			0.235					
46	S-153			0.150					
56	S-154			0.148					
66	S-155			0.218					
76	S-156			0.140					
86	S-157			0.170					
786-796	S-158			0.490					
277-280.2	S-159			5.040					
466-476	S-160			0.198					
-486	S-161			0.335					
-496	S-162			0.228					
-506	S-163			0.200					
-516	S-164			0.060					
-526	S-165			0.175					
-536	S-166			0.280					
796-806	S-167			0.150					
-816	S-168			0.245					
- 26	S-169			0.315					
36	S-170			0.323					
46	S-171			0.230					
56	S-172			0.370					
66	S-173			0.605					
76	S-174			0.280					
86	S-175			0.240					
96	S-176			0.510					
906	S-177			0.345					
16	S-178			0.485					
26	S-179			0.210					
36	S-180			0.160					
46	S-181			0.670					
56	S-182			0.910					
66	S-183			0.685					
966-976	S-184			0.570					
Drill # 11									
1268-1278	X-1			0.860					
803-813	X-2			0.630					
1068-1078	X-3			0.835					
713-723	X-4			0.565					

Charge $

Date November 17 19 67

Assayer

P. O. Box 1668
Wenatchee, Washington 98801

WENATCHEE ASSAY OFFICE

CERTIFICATE OF ASSAY

Telephone NOrmandy 2-6117
Laboratory — Squilchuck Road

TO: Bron Mac Mines
510 Hastings Street
Vancouver 2, B.C.

Assay per ton of 2000 pounds

Name	Number	Au oz	Ag oz	Cu %	Pb %	Zn %	Mo %	
1003-								
BRON MAC MINES 13	S- 53			0.305			0.005	
HE # 11 1013-1023	S- 54			0.315			0.007	
1023-1038	S- 55			0.090			Trace	
48	S- 56			0.165			Trace	
53	S- 57			1.290			0.010	
63	S- 58			0.630			0.015	
1078-1098	S- 60			0.255			0.005	
98	S- 61			0.115			0.020	
	S- 62			0.102			0.005	
	S- 63			0.285			0.007	
	S- 64			0.235			0.010	
	S- 65			0.085			0.005	
	S- 66			0.240			0.005	
	S- 67			0.318			0.005	
	S- 68			0.170			Trace	
	S- 69			0.145			Trace	
	S- 70			0.170			0.005	
	S- 71			0.258			0.018	
	S- 72			0.260			0.035	
	S- 73			0.625			0.052	
	S- 74			0.355			0.030	
	S- 75			1.030			0.105	
	S- 76			0.298			0.045	
	S- 77			1.820				
1258-1268	S- 78			1.465				
1278-1288	S- 80			0.215				
98	S- 81			0.270				
1308	S- 82			0.368				
HE # 13								
536-546	S-133			0.505				
-556	S-134			0.308				
	S-135			0.478				
	S-136			0.265				
	S-137			0.170				
	S-138			0.198				
	S-139			0.048				
	S-140			0.040				
	S-141			0.255				
	S-142			0.205				
	S-143			0.092				
	S-144			0.150				
656-66	S-145			0.610				

Charge $

Date November 17 19 67

Assayor

P. O. Box 1668
Wenatchee, Washington 98801

WENATCHEE ASSAY OFFICE

CERTIFICATE OF ASSAY

Telephone NOrmandy 2-6117
Laboratory — Squilchuck Road

TO: Dr. A. C. Skerl.

Assay per ton of 2000 pounds

Name	Number	Au oz	Ag oz	Cu %	Pb %	Zn %	Mo %	
Bren- Mac 1234-1258	S- 77						0.320	
1258-1268	S- 78						0.320	
1278-1288	S- 80						0.125	
1288-1298	S- 81						0.020	
1298-1308	S- 82						0.015	
536-546	S-133						0.010	
-556	S-134						0.017	
-566	S-135						0.015	
-576	S-136						0.005	
-586	S-137						0.020	
-596	S-138						0.040	
-606	S-139						0.010	
-616	S-140						0.012	
-626	S-141						0.015	
-636	S-142						0.007	
-646	S-143						0.010	
-656	S-144						0.005	
-666	S-145						0.010	
-676	S-146						0.007	
-686	S147						0.005	
-696	S-148						0.012	
-706	S-149						0.005	
-716	S-150						0.002	
-726	S-151						0.010	
-736	S-152						0.012	
-746	S-153						0.010	
756	S-154						0.005	
766	S-155						0.005	
776	S-156						0.005	
786	S-157						trace	
796	S-158						0.005	
277-286	S-159						trace	259
466-476	S-160						trace	
-486	S-161						trace	
-496	S-162						trace	
-506	S-163						trace	
-516	S-164						trace	
-526	S-165						trace	
-536	S-166						trace	
796-806	S-167						0.005	
-816	S-168						trace	
-826	S-169						0.005	
-836	S-170						trace	

Charge $ _____ Date _____ 19____

Assayer

P. O. Box 1668
Wenatchee, Washington 98801

WENATCHEE ASSAY OFFICE

CERTIFICATE OF ASSAY

Telephone NOrmandy 2-6117
Laboratory — Squilchuck Road

TO: Bren Mac Mines
510 Hastings Street
Vancouver 2, B.C.

Assay per ton of 2000 pounds

Name	Number	Au oz	Ag oz	Cu %	Pb %	Zn %	Mo %
Samples 170-180							
BREN MAC MINES	S-203			0.020			
# 14 180-190	S-204			0.035			
190-200	S-205			0.020			
200-210	S-206			0.057			
210-220	S-207			0.010			
220-230	S-208			0.055			
460-470	S-209			0.065			
470-480	S-210			0.060			
480-490	S-211			0.075			Trace
490-500	S-212			0.120			Trace
500-510	S-213			0.250			Trace
510-520	S-214			0.138			Trace
520-530	S-215			0.070			
530-540	S-216			0.030			
# 11							
703-713	S- 23			0.390			0.020
-723	S- 24			0.560 ✓			0.020
[illegible]	S- 25			0.255			0.025
[illegible]	S- 26			1.160			0.020
[illegible]	S- 27			0.325			0.005
[illegible]	S- 28			0.595			0.018
[illegible]	S- 29			0.510			Trace
[illegible]	S- 30			0.485			Trace
[illegible]	S- 31			0.230			0.005
793-803	S- 32			0.505			0.005
813-823	S- 35			0.860 ✓			0.007
-833	S- 36			0.435			0.005
-843	S- 37			0.340			Trace
-853	S- 38			0.420			0.005
853-873	S- 39			0.585			0.010
-883	S- 40			0.750 ✓			0.020
[illegible]	S- 41			0.530			0.020
[illegible]	S- 42			1.260			0.015
903-913	S- 43			0.378			0.018
923-933	S- 45			0.335			0.010
[illegible]	S- 46			0.218			0.018
[illegible]	S- 47			0.280			0.010
[illegible]	S- 48			0.435			0.015
[illegible]	S- 49			0.428			0.005
[illegible]	S- 50			0.795			0.012
[illegible]	S- 51			0.790			0.015
993-1003	S- 52			0.760			0.005

Charge $ _____

Date November 17 1967

Assayer

P. O. Box 1668
Wenatchee, Washington 98801

WENATCHEE ASSAY OFFICE

CERTIFICATE OF ASSAY

Telephone NOrmandy 2-6117
Laboratory — Squilchuck Road

TO: Eron Mac Mines

510 Hastings Street

Vancouver 2. B/ C.

Assay per ton of 2000 pounds

Name	Number	Au oz	Ag oz	Cu %	Pb %	Zn %	Mo %	
ERON MAC MINES	X-1 or	79					0.320	
	X-2	33					0.015	
	X33	52					0.012	
	X-4	[illegible]					0.020	
	X-5			0.340			0.023	

Charge $

Date November 28 19 67

Assayer

P. O. Box 1668
Wenatchee, Washington 98801

WENATCHEE ASSAY OFFICE

CERTIFICATE OF ASSAY

Telephone NOrmandy 2-6117
Laboratory — Squilchuck Road

TO: Dr. A. C. Skerl.
BRENMAC MINES

Assay per ton of 2000 pounds Mo %

Name	Number	Au oz	Ag oz	Cu %	Pb %	Zn %	Mo %		
D.H. #13 836'									
Bren-Mac - 836	S-171					trace			
846 - 856	S-172					trace			
856 - 866	S-173					trace			
866 - 876	S-174					0.090			
876 - 886	S-175					0.280			
886 - 896	S-176					0.175			
896 - 906	S-177					0.160			
906 - 916	S-178					0.020			
916 - 926	S-179					0.030			
926 - 936	S-180					0.015			
936 - 946	S-181					0.025			
946 - 956	S-182					0.040			
956 - 966	S-183					0.115			
966 - 976	S-184					0.035			

Charge $_____ Date _____ 19____ Assayer

P. O. Box 1568
Wenatchee, Washington 98801

WENATCHEE ASSAY OFFICE

CERTIFICATE OF ASSAY

Telephone NOrmandy 2-6117
Laboratory -- Squilchuck Road

TO: Bren Mac Mines

312 Standard Building
510 Hastings Street
Vancouver 2, B. C. Canada

Assay per ton of 2000 pounds

Name	Number	Au oz	Ag oz	Cu %	Pb %	Zn %	Mo %	
Sunrise III # 1								
Bren-Mac 50-60'	S-191			0.035				
60-70	S-192			0.020				
70-80	S-193			0.017				
[illegible]	S-194			0.010				
[illegible]	S-195			0.025				
[illegible]	S-196			0.012				
[illegible]	S-197			0.010				
[illegible]	S-198			0.030				
[illegible]	S-199			0.017				
[illegible]	S-200			0.005				
[illegible]	S-201			0.017				
160-170	S-202			0.007				

P. O. Box 1668
Wenatchee, Washington 98801

WENATCHEE ASSAY OFFICE

CERTIFICATE OF ASSAY

Telephone NOrmandy 2-6117
Laboratory — Squilchuck Road

TO: Eren Mac Mines

510 Hastings Street

Vancouver 2, B.C.

Assay per ton of 2000 pounds

Name	Number	Au oz	Ag oz	Cu %	Pb %	Zn %	Mo %		
EREN MAC MINES				Footage					
SUNRISE				DH # 11					
Composite	1	0.002	0.09	703-753					
Composite	2	0.003	0.16	753-803					
Composite	3	0.002	0.10	803-853					
Composite	4	0.002	0.18	-913					
Composite	5	0.002	0.12	963					
Composite	6	0.003	0.19	1013					
Composite	7	0.003	0.11	1068					
Composite	8	Trace	0.03	1118					
Composite	9	0.002	0.03	1168					
Composite	10	0.003	0.08	1218					
Composite	11	0.003	0.29	1268					
Composite	12	0.003	0.08	1308					
Composite	13	0.001	0.06	546-596	DH # 13				
Composite	14	Trace	0.04	-646					
Composite	15	Trace	0.03	696					
Composite	16	Trace	0.04	746					
Composite	17	0.002	0.01	796					
Composite	18	Trace	0.02	846					
Composite	19	0.003	0.04	896					
Composite	20	Trace	Trace	946					
Composite	21	0.001	0.04	976					

Charge $

Date November 17 19 67

Assayer

ITEM # 4-5-6

ACCESSIBILITY

a) The company has a large cabin for a base camp at the end of the Sultan Basin road. About two mile back from this cabin the Vesper Peak trail leads to the Sunrise property. An active person can reach the mine in 1 hour but two hours is more reasonable.
At least once every week a helicopter is available for transporting supplies to the drillers and to bring out the diamond drill core which is stored at the cabin.

To make arrangements to visit the property it is best to contact the Vancouver manager, Mr. L. Udell by phone at 683-2568 (office) or 922-4660 (home).

b) The immediate shipping and supply point is Sultan on the Stevens Pass Highway and the Great Northern Railway, about 25 miles by road from the base camp.

EXPLORATION WORK

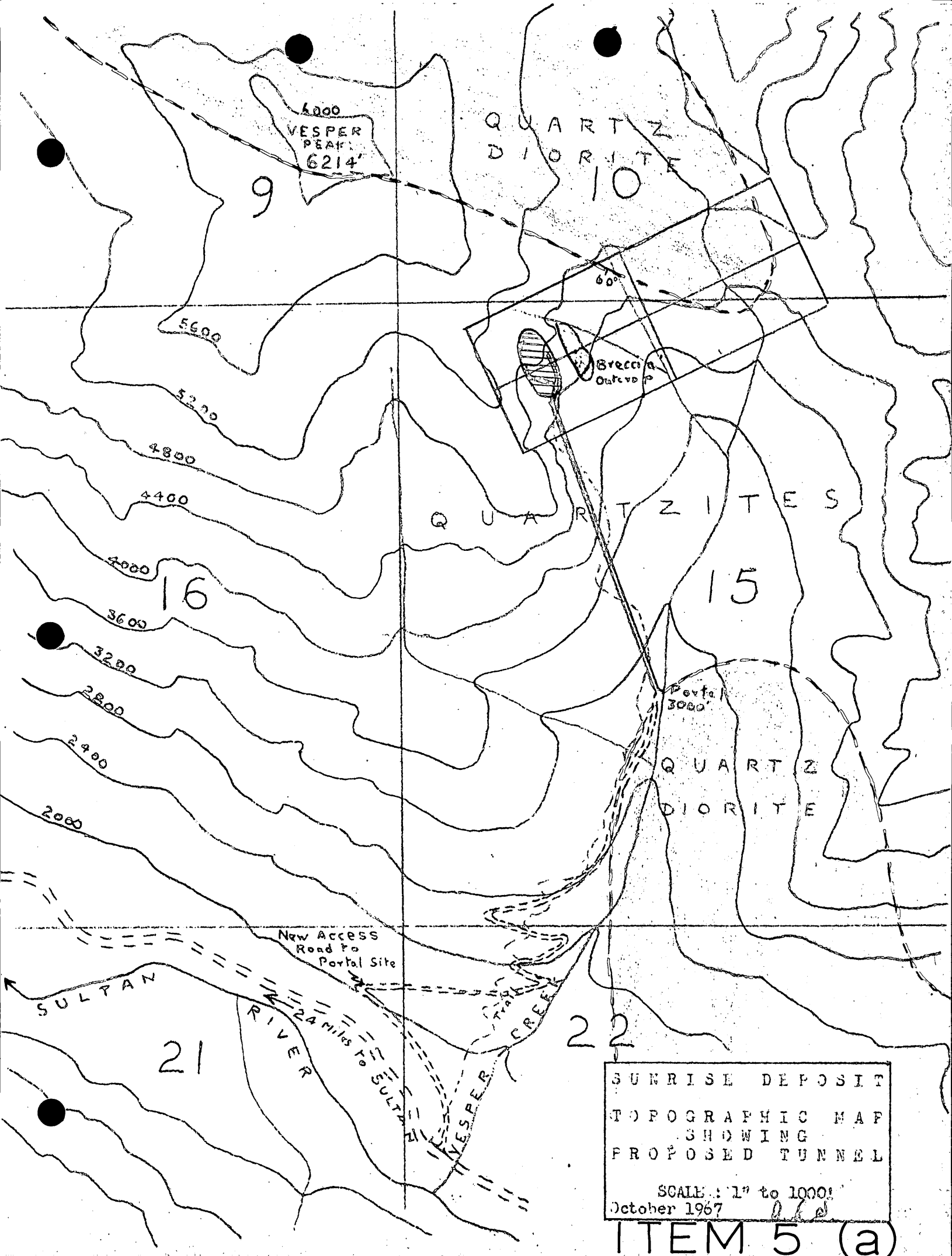
a) It is essential to drill the deposit in a systematic manner to ascertain the true average grade. Because of the precipitous terrain and short summer season it is not practical to do this from the surface. An underground operation is therefore proposed that would consist of an adit 2800 feet long to the deposit on the 3000 level and then about 1200 feet of drifts on the perimeter of the deposit to provide drill stations. These would be cut so that fans of diamond drill holes could be drilled on four sections at 100 feet apart for 1000 feet up and 1000 feet down. The sections would be orientated so that the drill holes would cut both the cross stringers and the margins of the breccia at a fair angle. About 40,000 feet of diamond drilling would be required.
To obtain a reasonable rate of advance with modern equipment the tunnel should be about 8 ft by 8 ft in section. The grade would be ¼% because of the possibility of eventually using it for reversed transportation via a connection into the next valley where there is more room for plant, tailing disposal etc.
The diamond drilling would be done with B-wireline equipment.
The topographic map (1" to 1000') shows the position of the proposed adit relative to the breccia deposit, the diorite contacts and the access road.
The proposed layout for the drilling from the 3000 ft level is shown in plan and section (1" to 100').

b) An access road has been surveyed from the Sultan Basin road to the proposed portal site. It is 9000 feet long on a steady 15% grade. It is entirely in well-timbered land with no rock or snow slide hazards. The road is now being constructed according to the State Forestry regulations.

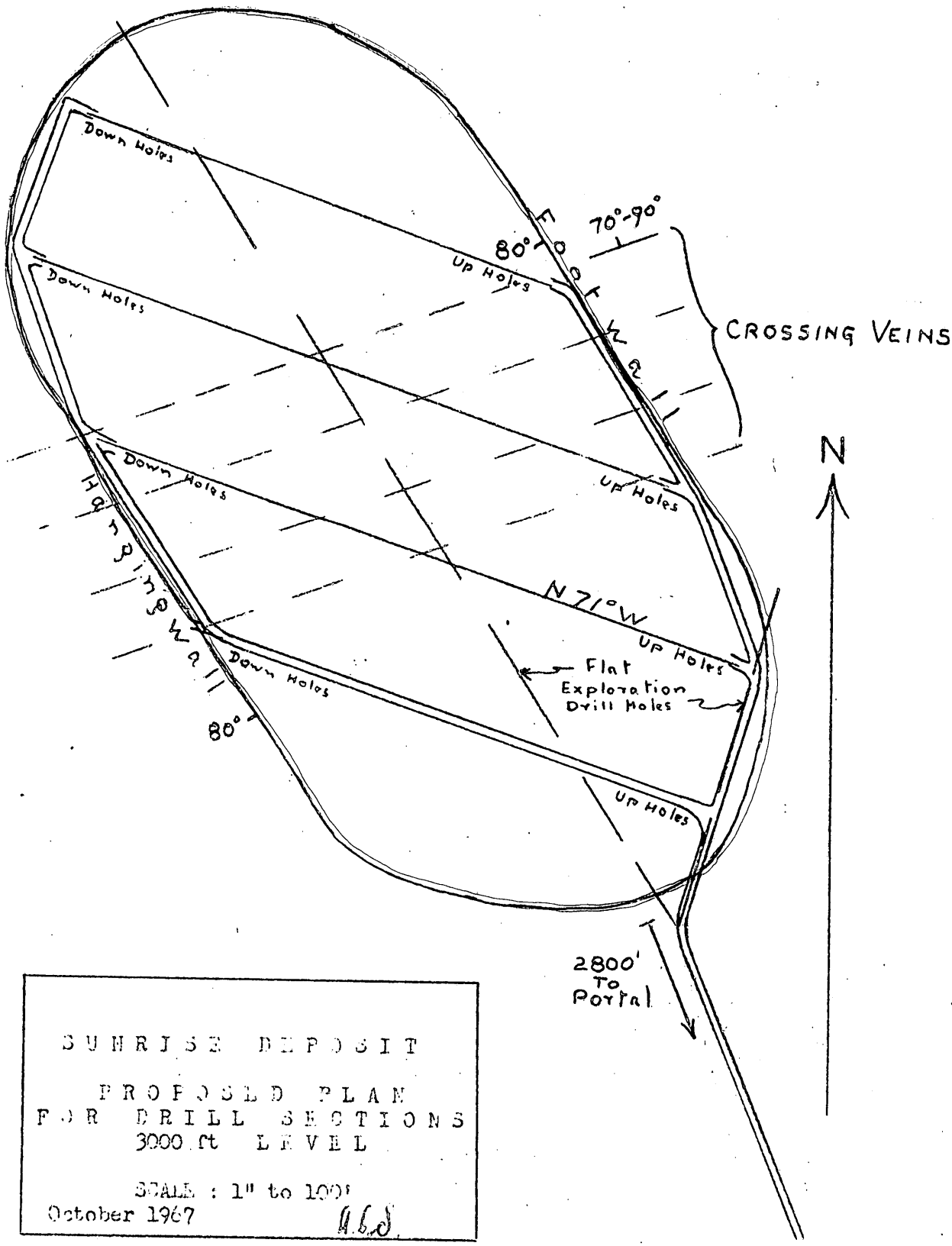
c) The road has already been started so that it will be possible to prepare for the tunnel at any time after December 1st 1967.
It is expected that the tunnel advance will average 750 feet per month and that the first drill station will be ready for use about 4 months after the start of the tunnel. A second diamond drill would begin operation about 2 weeks later. On a three shift basis and 50 feet per shift the drilling should be completed in six months.

EXPERIENCE

The work will be under the direction of Dr.A.C.Skerl P.Eng. - a mining geologist- who has had wide experience in mining exploration in Africa, Philippines, Canada and U. S. A. from 1929 to date.


6000
VESPER PEAK
6214'
9
QUARTZ DIORITE
10
60°
5600
5200
4800
4400
4000
3600
3200
2800
2400
2000
Breccia Outcrop
QUARTZITES
16
15
Portal 3000'
QUARTZ DIORITE
New Access Road to Portal Site
SULTAN RIVER
24 Miles to Sultan
VESPER CREEK
21
22
SUNRISE DEPOSIT
TOPOGRAPHIC MAP SHOWING PROPOSED TUNNEL
SCALE: 1" to 1000'
October 1967

ITEM 5 (a)



SUNRISE DEPOSIT

PROPOSED PLAN
FOR DRILL SECTIONS
3000 ft LEVEL

SCALE : 1" to 100'
October 1967 A.L.J.

CENTURY EXPLORATIONS, INC. 502 Rust Bldg. Tacoma, Washington. 98402

ITEM 5 (a)

ITEM # 7

A. C. SKERL

ESTIMATE OF COSTS

a) The following costs are expected for the work done by contractors and service companies :

	$	
Access road 9000 feet	10,000	
Tunnel and drill stations - 4000 ft @ $70.00 per ft.	280,000	
Diamond drilling B-wireline - 38,000 ft at av. $4.00 per ft	152,000	
Assaying - 5000 samples @ $5.00	25,000	
		467,000

b) Personal services are estimated for 12 months as follows :

Supervision	12,000	
Engineering geologist	9,600	
Consultant	6,000	
Helper	4,800	32,400

c) Materials and supplies for engineering 1,200 — 1,200

d) Operating equipment

Plant for crushing and sampling of drift muck and core 10,000 — 10,000

Miscellaneous :

Transportation - pick-up truck	3,000	
operation of truck	1,000	
Rental on trailer at $75.00 per month	900	
Travelling expenses and board	3,000	
		7,900
		518,500
Contingencies		31,500
Total		$550,000

A. C. Skerl

502 Rust Bldg. Tacoma, Washington. 98402

CM INC.

U.S. ADDRESS: P.O. BOX 1159, KALISPELL, MONTANA, U.S.A.
CANADIAN ADDRESS: 619-475 HOWE ST., VANCOUVER 1, BRITISH COLUMBIA, CANADA
CANADIAN TELEPHONE NUMBERS: 685-2261 OR 683-1288 (AREA CODE 604)
TELEX: CANMS 04-50313

November 3, 1967.

BrenMac Mines Ltd.,
312-510 West Hastings Street,
Vancouver, B.C.

Attention: Mr. Len Udell, President

Dear Sir:

Further to our visit to your Sunrise property in the vicinity of Sultan Basin and our discussions with Dr. Skerl and Mr. Edie, we wish to submit for your consideration the following quotation for underground development and diamond drilling:

1. Underground Development

Specifications

Approximately 4,000 feet of drifting, and excavation of diamond drill stations, as illustrated by your proposed plan dated October, 1967.

Rock section -	8' wide x 8'6" high
Ditch -	1' deep x 18" wide, lined one side with 2" plank.
Track -	30 lb. rail, ties 30" centres, 0.25% grade
Pipes -	6" air to junction, 4" in branches of "Y"
	2" water throughout
	air and water headers as required at diamond drill stations
Ventilation -	24" - 22 gauge steel duct, 10,000 cfm exhaust system.

CENTURY EXPLORATIONS, INC.

Schedule

Commence mobilization immediately upon award of contract. Allow 28 days to set up and collar, complete tunnel within 5 months of contract award.

BrenMac Mines Ltd.

1. Provide and maintain road access to portal site.
2. Remove overburden to establish rock face.
3. Provide survey control for tunnel line and grade.
4. Provide waste disposal area in accordance with local regulations.
5. Provide tractor for maintaining dump, if required.

C M INC.

1. Provide camp accommodation, tunnel driving plant and equipment, all necessary supplies and materials.
2. Provide supervision and labour, carry out excavation in accordance with specifications, good mining practice and Washington mining regulations.
3. Provide workmen's compensation, public liability and property damage insurance.

Terms of Payment (U.S. Funds)

1.	Mobilization - lump sum, payable when equipment is on site, plant established and portal is collared.	$20,000.00
2.	Tunnel, rock section 8' x 8½', installations as specified above, price per foot unsupported	$ 88.00
3.	Excavation of diamond drill stations, price per cubic foot unsupported	$ 0.81
4.	Construction of snow shed and testle across creek, (if required)	cost plus 10%

CENTURY EXPLORATIONS, INC.

11. Diamond Drilling

Specifications

(a) BQWL drillhole, in accordance with Sunrise proposal dated October, 1967, as follows:

4 stations, up holes, total footage per station approximately 4,250.

4 stations down holes, total footage per station approximately 4,250.

2 flat exploration holes, total footage approximately 1,000.

(b) Time and core recovery are primary considerations in this contract.

Schedule

The drills, average 4,500 feet per drill month. Allow 4 months after completion of excavation.

BrenMac Mines Ltd.

1. Provide and maintain road access to portal site.
2. Provide core boxes and testing equipment.

C M INC.

1. Provide camp accommodation, surface plant, diamond drilling equipment, supplies and accessories.
2. Provide workmen's compensation, public liability and property damage insurance.
3. Provide supervision and labour, carry out drilling program as required by BrenMac representative.

Form of Payment (U.S. Funds)

1. Mobilization - lump sum, payable when drilling equipment is on site and drilling has commenced $ 2,000.00

2. Price per foot BQWL drillhole, including staging in drill stations, moving and setting up:

	UP	DOWN OR FLAT
0 - 1000'	$ 9.70	$ 8.90

3. Casing, reaming, cementing, delays caused by BrenMac:

Labour	at cost
Diamonds, cement	at cost
Drill rental - operating, per hour	$ 7.00
" - standby, per hour	$ 3.50

We would appreciate an opportunity to discuss this project at your convenience.

Thank you for the opportunity to quote on your contract requirements.

Yours very truly,

C M INC.

A.D. McCutcheon,
President.

ADM:c.

cc Dr. A.C. Skerl
1758 Western Parkway
Vancouver, B.C.

CENTURY EXPLORATIONS, INC.

ROCKLAND CONTRACTORS INC.

DIAMOND DRILLING CONTRACTORS
17th FLOOR, NORTON BUILDING, SEATTLE, WASHINGTON 98104
PHONE MA4-3310, AREA CODE 206

CONTRACT AGREEMENT

BETWEEN: BRENMAC MINES LTD., (N.P.L.)
312-510 WEST HASTINGS ST.,
VANCOUVER, B.C.
(Hereinafter called "the Owner")

AND: ROCKLAND CONTRACTORS INC.
17th Floor, Norton Building
SEATTLE, WASHINGTON 98104
(Hereinafter called "the Contractor")

WHEREAS:

A. The Owner is a body corporate duly incorporated under the laws of the Province of British Columbia, and having its registered office at Vancouver, in the Province of British Columbia.

B. The Contractor is a body corporate duly incorporated under the laws of the State of Washington and having its registered office of 17th Floor, Norton Building, Seattle, in the State of Washington.

C. The Owner is the holder of certain mineral claims leases, situated in the State of Washington and generally located in Snohomish County, Sultan Basin.

D. The Contractor is engaged in the business of under ground rock excavation and exploration and related services.

1. The Owner hereby engages the Contractor to perform under ground rock excavation, exploration and related services on the said property subject to the terms and conditions hereinafter set forth.

2. The Contractor hereby agrees to perform the under ground rock excavation, exploration and related services upon the said property subject to the terms and conditions hereinafter set forth.

3. The Owner covenants and agrees to pay to the Contractor the sum of $72.10/ft., of tunnel measured from the portal collar to the centre of the tunnel face. The Contractor will be allowed to use the Owner's timber. The tunnel dimensions are to be left to the discretion of the Contractor. The Owner agrees to pay the Contractor $42.00 per foot for all slashing for drill stations. The Contractor agrees to excavate 4 drill stations to specifications of the Diamond Drill Contractor.

The Owner agrees to pay the Contractor:

(a) His actual cost for portal preparation
(b) $2200.00 for trestle construction
(c) $3500.00 for Equipment mobilization

The Contractor agrees to provide camps and camp facilities for his crew and a limited number of the Owner's employees at the Contractor's cost plus 10%.
The Contractor agrees to supply transportation for his crew from the camp to the portal area.
The Owner agrees to clear a camp area of approximately 300 X 300 feet, to faciliate a 30 man camp with water facilities at the base of the mine road. The Owner agrees to keep the road open to the camp and from the camp to the Portal.

4. The Owner covenants and agrees notwithstanding anything to the contrary herein contained that upon completion of the contract the Contractor shall be deemed to have excavated a minimum of 3700 L.F. .

5. In the event of the Contractor's employees being idle by reason of the Owner's failure to provide tunneling instruction as aforesaid, or by reason of the impossibility of conducting drilling operations due to weather, the Owner further covenants and agrees to pay to the Contractor the sum of Forty dollars ($40.00) per hour, regardless of the number of employees so idled. For the purpose of this paragraph the parties agree that the maximum number of hours for which the owner shall be liable shall be Eight (8) hours for each day of such inactivity.

INSURANCE CLAUSE.

6.
The Contractor agrees to carry adequate insurance to protect and save harmless the Owner from and against all claims of the Contractor's accounts and responsibilities. The Contractor shall be responsible for and will pay all dues and assessments under any Workmen's Compensation Act., or other similar act., whether Provincial, Dominion, or State in respect of its employees.

The Owner agrees to provide a competent engineer on the job to maintain tunnel line and grade.

7. The Owner represents that there is a water supply situated on the said property sufficient for the Contractor's requirements in performing this agreement.

8. The Owner covenants and agrees to pay the sum of Fifteen Thousand Dollars ($15,000.00) to the Contractor upon execution of this agreement, to be deducted from the Contractor's final invoice.

9. It is understood and agreed that the Contractor shall from time to time provide the Owner with invoices for the various services rendered and expenses incurred by the Contractor; and the Owner covenants and agrees to pay and satisfy such invoices within 10 days following receipt of each invoice so provided.

10. The parties hereto declare their intention that in the event of litigation arising from this agreement it is their desire that such dispute shall be resolved by the Courts of the Province of British Columbia.

IN WITNESS WHEREOF the parties hereto have hereunto set their hands and seals

ON THIS _____ DAY OF _____ 1968

AT _____ inTHE PROVINCE OF _____

_____.

For: ROCKLAND CONTRACTORS INC.

For: BRENMAC MINES LTD (N.P.L.)

502 Rust Bldg. Tacoma, Washington. 98402

CENTURY EXPLORATIONS, INC.

TELEPHONE: 574-7121

GREMAC CONTRACTING LTD.

P. O. BOX 63
18765 - 95TH AVENUE
PORT KELLS, B. C.

January 11, 1968

RECEIVED
JAN 15 1968
Ans'd.....

BrenMac Mines Ltd.,
312 - 510 West Hastings Street,
Vancouver 2, B. C.

Attention: Mr. L. N. Udell.

Dear Sirs: Re: Underground Work
Sultan Basin.

We wish to thank you for your letter of January 8, 1968 to our Mr. N. K. Robins concerning a re-submission of prices for work to be completed at your Sultan Basin property.

Enclosed is the submission on the letter head of Gremac Contracting Ltd. as requested.

Before submitting the original tender we requested our solicitors to check with the American Authorities with respect to a Canadian firm performing work in the United States. We were assured registration of the Company in the State of Washington would be a relatively simple procedure and although this procedure was started it was decided to delay completion until notification as successful bidder was received.

However, should we be favoured with this Contract we have now decided to incorporate a new Company, registered and qualified in the State of Washington. This incorporation has also been started and will be completed should we be selected as the successful Contractor.

This Company is called Romac Development Corporation and will be a wholly owned subsidiary of Gremac Contracting Ltd.

502 Rust Bldg. Tacoma, Washington. 98402

You may be assured, should we be selected to perform this work all proper steps will be taken to complete incorporation of this Company and adequate proof of such incorporation shall be submitted to you prior to the execution of the Contract.

Should you require additional information please do not hesitate to contact the Writer or our Solicitor, Mr. Julian Kirstiuk of the firm, Jestley, Kirstiuk, White & Jones, 1500 Marine Building, 355 Burrard Street, Vancouver 1, B. C. Telephone 683-8241.

We hope the above will clarify our position and we look forward to being of service to you.

Yours very truly,
GREMAC CONTRACTING LTD.

G. H. McDougall.
General Manager.

GHMcD/rl
Enclosed.
c.c. J. Kirstiuk.
L. Jestley.

FORM 12

THE GOVERNMENT OF
THE PROVINCE OF BRITISH COLUMBIA

EFFECTIVE DATE FRIDAY
NOVEMBER 12, 1971

SECURITIES ACT, 1967

Neither the British Columbia Securities Commission nor the Vancouver Stock Exchange has in any way passed upon the merits of the securities offered hereunder and any representation to the contrary is an offence.

BRITISH COLUMBIA SECURITIES COMMISSION
VANCOUVER STOCK EXCHANGE

BrenMac Mines Ltd. (N.P.L.)
(Name of Company)

Head Office: 1480 Pemberton Avenue, North Vancouver, B.C.
Registered Office: 1840-777 Hornby Street, Vancouver, B.C.

(Address of head office and registered office of company.)

Statement of Material Facts

1. Give details of the circumstances relating to the offering of the securities and any material changes in the affairs of the issuer.	See Item 1 Attached Schedule
2. Set out the description, designation, and number of shares being offered by the issuer or selling shareholder. If any of the shares being offered are to be offered for the account of a selling shareholder, name such shareholder and state the number of shares owned by him, the number to be offered for his account, and the number to be owned by him after the offering.	See Item 1 Attached Schedule
3. Set out the price to the public, underwriting discounts or commissions and the estimated net proceeds to the issuer or selling shareholder, on both a per share and an aggregate basis. If it is not possible to state the price to the public or the underwriting discount or commissions, the method by which they are to be determined shall be explained. Give the range of the market price during the previous 90 days.	See Item 1 Attached Schedule
4. State the principal purposes for which the estimated net proceeds to be derived by the issuer from the sale of the shares to be offered are intended to be used and the approximate amount intended to be used for each such purpose.	See Item 4 Attached Schedule
5. State the laws under which the issuer was incorporated and whether incorporated by memorandum of association, Letters Patent, or otherwise or under a particular part of an incorporating Statute dealing with mining companies and the date thereof.	Incorporated under laws of Province of British Columbia on 16th December 1965 by Memorandum of Association as specially limited company.
6. Give names, addresses, and chief occupations for the past five years of the officers and directors of the issuer.	See Item 6 Attached Schedule.
7. State the share capitalization of the issuer showing authorized and issued capital.	Company is authorized to issue ten million shares without nominal or par value of which 6,483,544 are issued.
8. Give particulars of any bonds, debentures, notes, mortgages, charges, liens, or hypothecations of the issuer.	None
9. Outline briefly the manner in which the shares being offered are to be distributed, giving particulars of any outstanding or proposed underwriting, sale, or option agreement, including the name and address of each underwriter, purchaser, or optionee. Give similar particulars of sub-underwriting or sub-option agreements outstanding or proposed to be given and particulars of any assignments or proposed assignments of any such agreements. Give names and addresses of persons having any interest, direct or indirect, in underwritten or optioned shares.	See Item 1 Attached Schedule

10. Give name and address of any person or company who beneficially owns, directly or indirectly, in excess of 5 per cent of each class of shares of any company named in answer to item 9 hereof and the number and percentage of each class of shares so owned.	See Item 10 Attached Schedule
11. Give particulars of any payments in cash or securities of the issuer made or to be made to a promoter or finder in connection with the proposed underwriting.	Nil
12. Give brief particulars of properties owned, leased, held under option, or operated or presently intended to be owned, leased, held under option, or operated by the issuer.	See Item 12 Attached Schedule
13. State whether any property referred to in item 12 has a known body of commercial ore or reserves of recoverable oil and gas. Give particulars.	To the knowledge of the signatories hereto and of the Company's Consulting Engineers there is no known body of commercial ore on any mining property described in Item 12. For oil reserves see Item 12 on attached schedule.
14. Give brief particulars of the exploration and development work of the issuer during the past year and the results thereof on (1) its own properties and (2) other properties. State amounts spent on each.	See Item 14 on attached schedule.
15. Give brief particulars of property proposed to be acquired by the issuer or any affiliate or acquired by the issuer or any affiliate within the previous three years, including the name and address of the vendor and the cost or proposed cost thereof to the issuer or any affiliate, and if any such vendor is or was an insider or promoter of the issuer or an associate or affiliate of any insider or promoter of the issuer, so state and indicate the nature of the relationship.	See Item 15 on attached schedule.
16. State the name of any person or company who is or has been a promoter of the issuer within the preceding two years and, if not disclosed in item 15, the nature and amount of anything of value (including money, securities, property, contracts, options, or rights of any kind) received or to be received by each promoter.	Leonard N. Udell, the President Director of the Company, may be considered the current Promoter of the Company. Nothing has been received by him in such capacity.
17. If the property referred to in item 15 was or is to be paid for by the issuance of shares of the issuer or any subsidiary, give (*a*) the number of shares of the issuer and any subsidiary issued to or to be issued to the vendor after giving effect to such transaction, and (*b*) the number and, if more than 5 per cent of the shares presently outstanding, the percentage of shares of the issuer and any subsidiary owned or to be owned by the vendor after giving effect to the transaction. If the vendor is a company, give the names and addresses of the insiders of the company.	See Item 15 Attached Schedule
18. Give the number and, if more than 5 per cent, the percentage of the shares of the issuer held in escrow or in pool and a brief statement of the terms of the escrow or pooling agreement. Give the names and addresses of the beneficial owners of such shares.	See Item 18 Attached Schedule
19. Give the number of shares of the issuer owned of record or beneficially, directly or indirectly, by each person or company who owns of record, or is known either by the issuer or the selling shareholder to own beneficially, directly or indirectly, more than 5 per cent of such shares, in each case within 10 days from the date hereof. Show separately whether the shares are owned both of record and beneficially, of record only or beneficially only, and show the respective amounts in percentages owned in each such manner. Give names and addresses of the owners referred to above.	See Item 19 Attached Schedule
20. Give a brief statement of any legal proceedings to which the issuer or any of its subsidiaries is a party or of which any of their property is the subject. Make a similar statement as to any such proceedings known to be contemplated.	To the knowledge of the signatories there are no legal proceedings commenced against the Company or any of its subsidiaries nor are any known to be contemplated.

21. Give the aggregate direct remuneration, including amounts for services rendered, paid or payable by the issuer and its subsidiaries during the past year to the insiders of the issuer.	See Item 21 Attached Schedule
22. Give brief particulars of all options to purchase securities (other than such as are granted or proposed to be granted to shareholders as such on a *pro rata* basis) outstanding or proposed to be given by the issuer and its subsidiaries to any person or company, naming each such person or company and showing separately all such options outstanding or proposed to be given to the insiders of the issuer or its subsidiaries.	See Item 22 Attached Schedule
23. State the prices at which shares of the issuer have been issued for cash during the past year. If any shares have been issued for services, state the nature and value of the services and give the name and address of the person or company who received such shares. State the number of shares issued at each price.	100,000 @ 40¢
24. Give the dates of and parties to and the general nature of every material contract entered into by the issuer or any subsidiary within the preceding two years which is still in effect and is not disclosed in the foregoing.	See Item 24 Attached Schedule
25. Give particulars of any other material facts relating to the shares proposed to be offered and not disclosed pursuant to the foregoing items.	Nil
26. If assets include investments in the shares or other securities of other companies, give an itemized statement thereof showing cost of book value and present market value.	Nil

27.

CERTIFICATE OF THE COMPANY

The foregoing constitutes full, true and plain disclosure of all material facts relating to the securities offered by this Statement of Material Facts.

Dated October 27th, 1971

BrenMac Mines Ltd. (N.P.L.)

Leonard N Hodges
per his attorney John O Scherbly

[Corporate Seal.]

CERTIFICATE OF UNDERWRITER OR OPTIONEE

To the best of our knowledge, information and belief the foregoing constitutes full, true and plain disclosure of all material facts relating to the securities offered by this Statement of Material Facts.

Dated October 27th, 1971.

Continental Securities Corporation (1971) Ltd.

Schedule to the Statement of Material Facts
of BrenMac Mines Ltd. (N.P.L.)

ITEM 1

Underwriting Agreement - October 27th, 1971.

Continental Securities Corporation (1971) Ltd.
789 West Pender Street, Vancouver, British Columbia.

Underwriting: 100,000 shares at 35¢ per share payable forthwith on the approval of the Agreement by the Vancouver Stock Exchange ("Effective Date");

Option On: 100,000 shares at 35¢ per share exercisable 45 days from the Effective Date.

No shares are being offered for the account of a selling shareholder.

Shares underwritten and shares with respect to which the option may be exercised will be sold to the public through the facilities of the Vancouver Stock Exchange at market prices from time to time prevailing.

There are no underwriting discounts or commissions.

Net Proceeds from the underwriting - $ 35,000.00

Net proceeds from the underwriting if the option is exercised in full - $ 70,000.00

The market price established in the last 90 days is as follows:

High: 47¢ Low: 31¢

There are no sub-underwriting agreements. To the knowledge of the signatories only the contracting Underwriters have any interest, direct or indirect in the underwritten and optioned shares.

ITEM 4

With the funds available from the firm portion of the underwriting the Company proposed to carry out a diamond drilling program on its Snohomish County, State of Washington property being a program to confirm known mineralization and to sample zones to a depth of 1,500 feet by diamond drilling from the 3,000 foot level at a cost of $35,000.00. Reference is made to the Summary of Report dated August 23, 1971 of James R. Glass, Consulting Geologist, a copy of which forms part of this Statement of Material Facts.

With funds on hand and any proceeds from the exercise of the option the Company proposes to defray current operating expenses, general administrative expenses and to provide additional working capital and as funds become available proposes to proceed with the recommendations of James R. Glass, Consulting Geologist, contained in his Report as aforesaid.

None of the proceeds of the Underwriting or option will be used to conduct operations on other properties without the filing with the Vancouver Stock Exchange of a full and up-to-date Engineer's Report relative to such use.

Item 6

Names and Address of Directors and Officers of the Company	Chief Occupation	Position Held
Leonard N. Udell 1073 Groveland Drive West Vancouver, B.C.	Executive	President and Director
Dr. G. Harold Laycraft 1361 Robson Street Vancouver, B.C.	Executive	Vice-President, Secretary-Treasurer and Director
Bernard O. Brynelsen, 1926 Knox Road Vancouver, B.C.	Chairman of the Board, Brameda Resources Limited	Director
Morris M. Menzies 5583 McMaster Road Vancouver, B.C.	Director of Brameda Resources Limited	Director
Lawrence S. Trenholme 5196 Sonora Drive, North Vancouver, B.C.	Assistant Exploration Manager, Brameda Resources Limited	Director

Item 10

Continental Securities Corporation (1971) Ltd.

Shareholder	Number & Class	Percentage of Class
Angus McPhail 5290 Newdale West Vancouver, B.C.	5,100 common shares) 714 preferred shares)	51%
W. H. Hudson 2306 Pendrell Street Vancouver, B.C.	2,450 common shares) 343 preferred shares)	24.5%
D. A. Scammell 1735 - 19th Street West Vancouver, B.C.	2,450 common shares) 343 preferred shares)	24.5%

ITEM 12

PART I - PROPERTY INTERESTS ON WHICH THE COMPANY PROPOSES TO PRESENTLY CONDUCT OPERATIONS:

State of Washington, U.S.A.
- Sultan Basin

Century Explorations, Inc. (a State of Washington corporation), (a wholly owned subsidiary of BrenMac Mines Ltd. (N.P.L.)), is the recorded holder of leases and option agreements covering claims in the Snohomish County area of the Sultan Basin. In addition the Company is the holder of claims staked on Federal lands and is the holder of leases on State of Washington lands.

PART II - PROPERTY INTERESTS ON WHICH THE COMPANY DOES NOT PRESENTLY PROPOSE TO CONDUCT OPERATIONS

State of Washington U.S.A.
- Okanagan County, Mazama Mining Division

The Company is the holder of mining claims in the Mazama area of the State of Washington.

Saskatchewan Oil Property:

The Company is the holder of a 12½% participating interest in certain farmout rights situate in southeast and southwest Saskatchewan. The Company acquired an interest equivalent to 2,160 acres in southwest Saskatchewan and 551 acres in southeast Saskatchewan. Drilling has resulted in a producing well in the Suffolk et al Carnduff 6-31-1-33 W1M. A volumetric analysis results in an estimated ultimate recovery of 167,316 barrels of oil. The Company has received notice from the operator that the well has been abandoned.

Item 14

During the past year the Company has conducted on the Sultan Basin properties, owned by its wholly owned subsidiary Century Explorations Inc., exploration work consisting of bulldozer work and development work and has expended thereon $90,243.00.

ITEM 15

By amalgamation of the Company with Lakeland Base Metals Ltd. (N.P.L.) and Century Exploration & Resources Ltd. (N.P.L.) the Company acquired all the assets of those two companies for a share consideration and accordingly all the property and assets of those two companies can be said to have been acquired by the Company for a share consideration. Century Exploration & Resources Ltd. (N.P.L.) held an undivided interest in the Sultan Basin Property as did Lakeland Base Metals Ltd. (N.P.L.) and by the amalgamation thereof, the Company acquired a 100% interest in the property rights in this area. In addition Lakeland Base Metals Ltd. (N.P.L.) was a Co-Venturer with the Company each holding a 50% undivided interest and as a result of the amalgamation the Company is now the holder of a 100% interest in such property. In whole or in part therefore the property interest described in paragraph 12 has been acquired within the previous three years.

The 12½% participating interest in Saskatchewan Oil Property described in paragraph 12 was acquired pursuant to a contract dated the 31st of December, 1967, between Lakeland Base Metals Ltd. (N.P.L.) on behalf of itself and the Company and Suffolk Exploration Limited, T.C. Exploration Ltd., Golden West Mines Limited, C.C. Daly & Associates Ltd., Krause Oils Ltd., Noble Oils Limited, Oil City Investments Ltd. and Mineral Mountain Mining Company Limited.

ITEM 18

732,632 shares are presently deposited in escrow with the National Trust Company Ltd. In addition 225,000 shares originally issued as part of the consideration for the assets of Century Exploration & Resources Ltd. may be deemed to also form part of the escrow position for a total of 957,632 shares in escrow.

The holders of more than 5% of the escrow shares are as follows:

Charles M. Eadie West Vancouver, B.C.	* 99,400 shares	10.3%
Isaac Shulman Vancouver, B.C.	* 92,800 shares	9.8%
Morgan A.-R. Stewart Vancouver, B.C.	* 59,200 shares	6.2%
Leonard N. Udell West Vancouver, B.C.	* 126,732 shares	13.2%
Albert J. A. Reid Vancouver, B.C.	* 52,000 shares	5.03%

*Figures according to Trust Company.

ITEM 19

The holders of more than 5% of the issued shares are as follows:

*Hemsworth, Turton & Co. Ltd. 555 Howe Street, Vancouver, B.C.	** 409,925 shares
*Westco 306-845 West Pender Street Vancouver, B.C.	** 356,850 shares
William J. Worrall, Liquidator of Century Exploration & Resources Ltd. 1840-777 Hornby Street Vancouver, B.C.	** 375,000 shares

*Beneficial ownership not known.

** Figures according to trust Company.

Item 21

For the year ending October 31, 1971, $12,000.00 was paid as direct remuneration to Leonard N. Udell as Exploration Manager.

Item 22

Stock Option granted to Gil Newman as Prospector and Operators Co-Ordinator being an option to purchase 5,000 shares at 65¢ per share.

Item 24

Employment Contract dated December 31, 1970, whereby Leonard N. Udell is employed as Exploration Manager at $1,000.00 per month.

RIGHTS OF RECISSION

A person who has entered into a contract for the purchase of securities offered hereby is entitled to rescind such contract within 60 days of receiving the written confirmation if he is still the owner of the said securities and did not receive this Statement of Material Facts before delivery of the confirmation.

This Statement shall be deemed conclusively to be received in the ordinary course of mail by the person or company to whom it was addressed.

BRENMAC MINES LTD. (N.P.L.)

CONSOLIDATED FINANCIAL STATEMENTS

OCTOBER 31, 1971

SPM&P

Shand, Pearmain, McAfee, Pew & Lilly
CHARTERED ACCOUNTANTS

SUITE 900, GUINNESS TOWER, 1055 WEST HASTINGS STREET, VANCOUVER, CANADA • AREA CODE 604 685-1351

ACCOUNTANTS' COMMENTS

The Shareholders,
Brenmac Mines Ltd. (N.P.L.),
Vancouver, B. C.

The accompanying consolidated balance sheet as at October 31, 1971 and consolidated statements of deficit, deferred exploration, development and other expenditures and source and application of working capital for the year then ended have been prepared by us from the books and records of the company and from information given to us. We did not perform an audit of the accounts and accordingly are not in a position to express an opinion on the financial statements.

Shand, Pearmain, McAfee, Pew & Lilly

Chartered Accountants

Vancouver, B. C.
November 1, 1971

BRENMAC MINES LTD. (N.P.L.)

CONSOLIDATED BALANCE SHEET

OCTOBER 31, 1971

(Prepared without audit)

ASSETS

	1971	1970
CURRENT ASSETS		
Cash	$ 100	$ 32,739
Prepaid option and lease payments	-	22,283
Sundry advances and deposits	848	1,925
	948	56,947
MINERAL PROPERTIES AND INTERESTS, at cost (Note 2)		
Mineral claims owned, leased and under option	209,821	185,893
Participation in oil farmout agreement	39,180	39,130
	249,001	225,073
FIXED ASSETS		
Vehicles, machinery and equipment, at cost	14,918	27,518
Accumulated depreciation	3,866	8,728
	11,052	18,790
DEFERRED EXPLORATION, DEVELOPMENT AND OTHER EXPENDITURES, at cost (Note 3)	1,261,896	1,128,802
OTHER ASSETS		
Deposits, at cost	16,593	16,593
Incorporation and organization expense, at cost	2,965	2,965
	19,558	19,558
	$1,542,455	$1,449,170

LIABILITIES

	1971	1970
CURRENT LIABILITIES		
Bank indebtedness (Note 4)	$ 14,172	$ -
Accounts, payable and accrued	5,114	10,038
	19,286	10,038
SHAREHOLDERS' EQUITY		
SHARE CAPITAL		
Authorized: 10,000,000 common shares of no par value		
Issued: (Note 5) 6,483,546 shares (1970 - 6,269,506)	2,124,257	2,035,482
DEFICIT	(601,088)	(596,350)
	1,523,169	1,439,132
	$1,542,455	$1,449,170

APPROVED ON BEHALF OF THE BOARD

B. Bryceless, Director

Director

The accompanying notes are an integral part of these financial statements.

BRENMAC MINES LTD. (N.P.L.)

CONSOLIDATED STATEMENT OF DEFICIT

YEAR ENDED OCTOBER 31, 1971

(Prepared without audit)

	1971	1970
DEFICIT, BEGINNING	$596,350	$ 60,348
Cost of and expenditures on mineral claims abandoned	-	255,940
Cost of and expenditures on mineral properties transferred to Brenda Mines Ltd. under an agreement dated July 18, 1968	-	272,400
Incorporation costs of subsidiary companies wound up	-	7,662
Loss on sale of fixed asset	4,738	-
DEFICIT, ENDING	$601,088	$596,350

The accompanying notes are an integral part of these financial statements.

BRENMAC MINES LTD. (N.P.L.)

CONSOLIDATED STATEMENT OF DEFERRED EXPLORATION, DEVELOPMENT AND OTHER EXPENDITURES

YEAR ENDED OCTOBER 31, 1971

(Prepared without audit)

	1971	1970
EXPLORATION AND DEVELOPMENT		
Aircraft charter and crew travel	$ 3,808	$ 5,183
Assay and sampling	2,172	15,928
Camp supplies and expense	4,123	5,582
Drilling	43,323	342,414
Employee benefits	499	815
Engineering and consulting	15,353	30,209
Equipment and vehicle operating	4,979	4,458
Insurance	682	1,238
Mapping and printing	249	-
Prospecting	5,700	6,040
Road building	5,562	6,035
Sundry labour	2,889	2,597
Taxes and assessments	76	142
Truck rental	828	5,056
	90,243	425,697
ADMINISTRATIVE		
Advertising and promotion	1,852	1,930
Bank charges, interest and foreign exchange, net	1,105	(6,711)
Brochure and prospectus	2,654	3,220
Legal and accounting	10,655	6,946
Licences and dues	140	1,303
Office, rent and administration	8,097	7,126
Office salaries	13,461	8,169
Transfer fees	3,153	3,004
Travel and accommodation	1,734	-
	42,851	24,987
EXPENDITURES FOR THE YEAR	133,094	450,684
Deferred exploration, development and other expenditures, beginning	1,128,802	945,293
Transfer to deficit of expenditures on mineral properties abandoned or sold	-	(267,175)
DEFERRED EXPLORATION, DEVELOPMENT AND OTHER EXPENDITURES, ENDING	$1,261,896	$1,128,802

The accompanying notes are an integral part of these financial statements.

BRENMAC MINES LTD. (N.P.L.)

CONSOLIDATED STATEMENT OF SOURCE AND APPLICATION OF WORKING CAPITAL

YEAR ENDED OCTOBER 31, 1971

(Prepared without audit)

	1971	1970
SOURCE OF WORKING CAPITAL		
Sale of share capital, for cash	$ 80,000	$450,000
Shares issued in lieu of cash for drilling contract	8,775	75,000
Proceeds from sale of fixed assets	3,000	400
	91,775	525,400
APPLICATION OF WORKING CAPITAL		
Exploration, development and other expenditures	133,094	450,684
Deposits	-	5,232
Purchase of equipment	-	570
Acquisition of mineral properties, and lease payments	23,928	7,820
	157,022	464,306
INCREASE (DECREASE) IN WORKING CAPITAL	(65,247)	61,094
Working capital (deficiency), beginning	46,909	(14,185)
WORKING CAPITAL (DEFICIENCY), ENDING	$(18,338)	$ 46,909

The accompanying notes are an integral part of these financial statements.

BRENMAC MINES LTD. (N.P.L.)

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

OCTOBER 31, 1971

(Prepared without audit)

1. PRINCIPLES OF CONSOLIDATION

The consolidated financial statements as at October 31, 1971 include the accounts of the company and its wholly-owned subsidiary, Century Explorations, Inc. (a Washington corporation).

2. MINERAL PROPERTIES AND INTERESTS

As at October 31, 1971, mineral properties owned, leased and under option consisted of the following:

	Cost	
	1971	1970
a) Located claims in the Osoyoos Mining Division of British Columbia (Peachland and Monroe Lake property)	$ 12,700	$ 12,700
b) Located claims in the Mackenzie Mining District of the Northwest Territories (Pine Point property)	12,500	12,500
c) Claims and leases held outright or under option in Snohomish County, Washington	184,621	160,693
	209,821	185,893
In addition the company holds a 12-1/2% interest in a farmout agreement between Scurry-Rainbow Oil Limited, Scurry-Rainbow Oil (Sask.) Ltd. and Suffolk Explorations Ltd.	39,180	39,180
	$249,001	$225,073

Included in the Washington State properties are certain claims held under option agreements. Future payments required under the separate options are as follows:

a) $18,571 in the year ended May 31, 1971 and in each of the following six years to a total of $130,000. As at October 31, 1971, the 1971 payment had been made.

b) The second option agreement for a total option price of $100,000 U.S. is payable as to $50,000 U.S. at 10% of the net smelter returns from the optioned property and as to the remaining $50,000 U.S. at $100 U.S. per month, of which $5,500 U.S. has been paid as at October 31, 1971.

BRENMAC MINES LTD. (N.P.L.)

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

OCTOBER 31, 1971

(Prepared without audit)

3. DEFERRED EXPLORATION, DEVELOPMENT AND OTHER EXPENDITURES

	Expenditures		
	Beginning of Year	Current	End of Year
Exploration and development			
Peachland property	$ 56,669	$ -	$ 56,669
Monroe Lake property	31,788	-	31,788
Pine Point property	25,734	-	25,734
Washington State properties	906,613	90,243	996,856
	1,020,804	90,243	1,111,047
Other			
Administrative	107,998	42,851	150,849
	$1,128,802	$133,094	$1,261,896

4. BANK INDEBTEDNESS

A demand bank loan of $10,000 outstanding as at October 31, 1971 is secured by a personal guarantee of one of the company's directors.

5. SHARE CAPITAL

Share capital has been issued for the following consideration to October 31, 1971:

	Number of Shares	Amount
For cash	2,907,002	$1,404,751
For mineral properties	3,290,004	540,418
In settlement of liabilities	286,540	179,088
	6,483,546	$2,124,257

During the year share capital was issued for the following consideration:

For cash - 200,000 shares for a net cash consideration of $80,000.
In settlement of liabilities - 14,040 shares at a deemed value of $8,775.

REPORT

on

SULTAN BASIN PROPERTIES

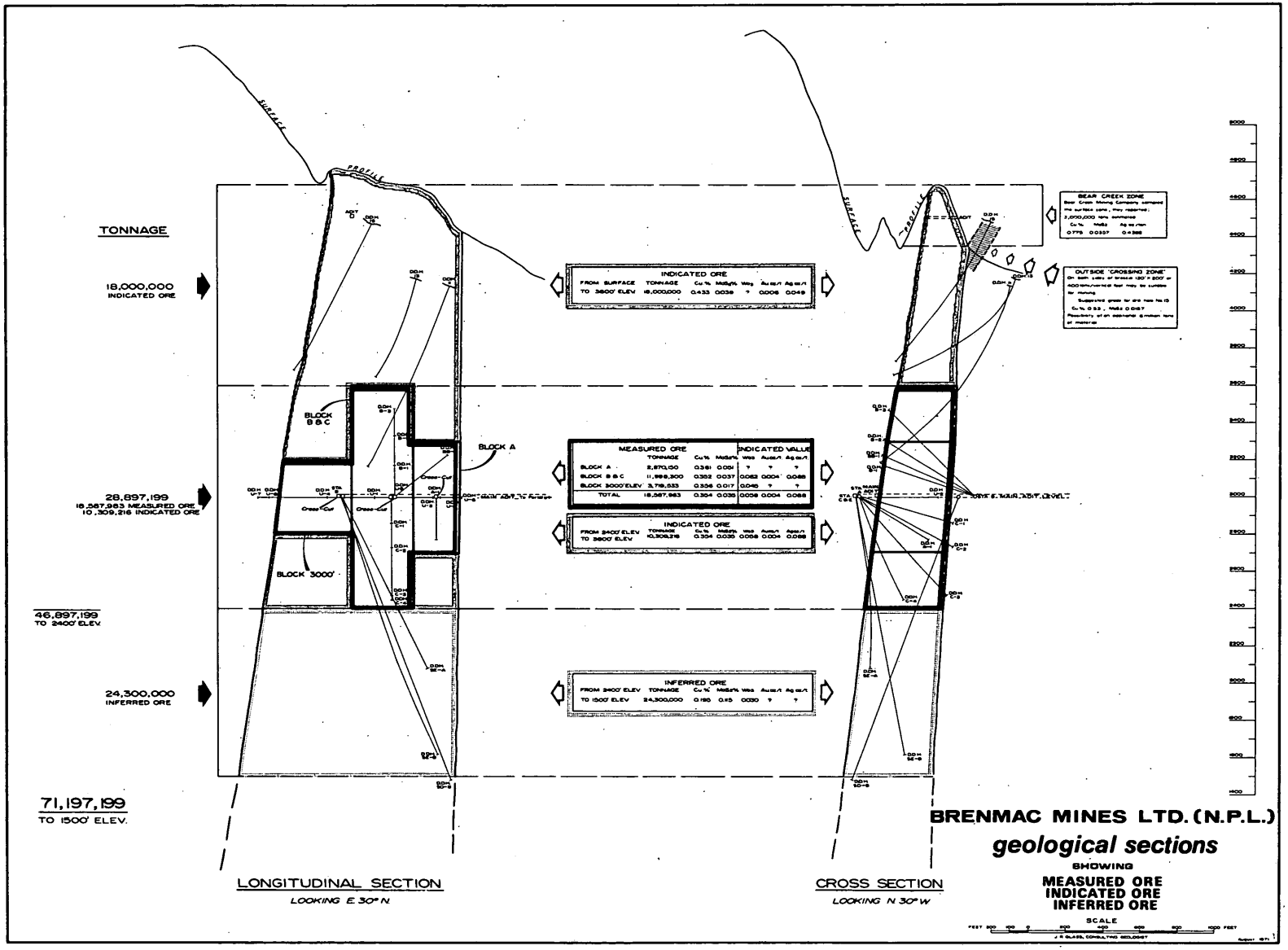
for

BRENMAC MINES LTD. (N. P. L.)

Snohomish County, Washington, U. S. A.

August 23, 1971

James R. Glass
Consulting Geologist


TONNAGE
18,000,000
INDICATED ORE
28,897,199
18,587,983 MEASURED ORE
10,309,216 INDICATED ORE
46,897,199
TO 2400' ELEV.
24,300,000
INFERRED ORE
71,197,199
TO 1500' ELEV.
SURFACE
PROFILE
BLOCK B & C
BLOCK A
BLOCK 3000'
Cross-Cut
INDICATED ORE
FROM SURFACE TONNAGE Cu % MoS2% Wos Au oz/t Ag oz/t
TO 3600' ELEV 18,000,000 0.433 0.039 ? 0.006 0.049
MEASURED ORE
TONNAGE Cu % MoS2% Wos Au oz/t Ag oz/t
BLOCK A 2,870,150 0.361 0.001 ? ? ?
BLOCK B & C 11,996,300 0.352 0.037 0.062 0.004 0.045
BLOCK 3000' ELEV 3,719,533 0.306 0.017 0.045 ? ?
TOTAL 18,587,983 0.354 0.035 0.058 0.004 0.048
INDICATED VALUE
INDICATED ORE
FROM 2400' ELEV TONNAGE Cu % MoS2% Wos Au oz/t Ag oz/t
TO 3600' ELEV 10,309,216 0.354 0.035 0.058 0.004 0.048
INFERRED ORE
FROM 2400' ELEV TONNAGE Cu % MoS2% Wos Au oz/t Ag oz/t
TO 1500' ELEV 24,300,000 0.185 0.15 0.030 ? ?
BEAR CREEK ZONE
OUTSIDE "CROSSING ZONE"
LONGITUDINAL SECTION
LOOKING E 30° N
CROSS SECTION
LOOKING N 30° W
BRENMAC MINES LTD. (N.P.L.)
geological sections
SHOWING
MEASURED ORE
INDICATED ORE
INFERRED ORE
SCALE
FEET 200 100 0 200 400 600 800 1000 FEET
J. R. GLASS, CONSULTING GEOLOGIST
August 1971

SUMMARY & CONCLUSIONS

Brenmac Mines Ltd (N. P. L.) is the beneficial owner of 98 mining claims and 16 state mineral leases, located in the Sultan Basin of Snohomish County, State of Washington, U. S. A.

Exploration, which has been carried out on these properties by Brenmac Mines Ltd (N. P. L.) since 1967, has outlined:

1. The Sunrise Breccia Pipe

A mineralized breccia pipe structure which contains 18, 587, 983 tons of "measured ore" and 36, 587, 983 tons of "indicated ore" and 24, 300, 000 tons of "inferred ore." The structure has not been delineated at depth so the ultimate tonnage is still unknown.

It is felt by the writer that the grade and tonnage of ore as indicated to date will sustain a mining and milling operation in the order of 20, 000 tons per day and to return a profit sufficient to justify the large capital investment.

Crossing Zone:

A zone of mineralized country rock crosses the Sunrise Breccia Pipe and is found both on the east and west sides of the breccia.

This zone could add some six million tons of potential ore to the Sunrise Breccia Pipe structure.

2. Mining

The shape of the Sunrise Breccia Pipe ore zone is such that an underground large-scale bulk method of mining can be used. The topography is advantageous as well; the ore zone outlined to date can be hauled via a proposed 10,000 foot tunnel without need of a shaft.

3. Metalurgy

Metallurgical tests indicate that the following recoveries can be obtained:

Copper	at least	90%
Molybdenum	at least	85%
Tungsten	at least	50%
Gold	about	50%
Silver	about	70%

4. Drill Hole Results and Bulk Samples

The comparison between the assay results of two flat diamond drill holes and the muck samples from one drift and one cross cut driven along these holes shows that the grade of the ore zone should be higher than the drill results have indicated to date.

5. Other Showings

(a) Mineralized Stock: A mineralized granite stock located approximately three miles southeast of the Sunrise Breccia Pipe contains an estimated 35,000,000 tons of material sampled by three diamond drill holes.

The suggested grade is:

Cu %	MoS_2 %	Ag oz/ton
0.31	0.025	0.14
0.32	0.028	?
0.24	?	?

Future work including additional diamond drilling will be carried out on this large structure.

(b) Hicks Breccia: A flat-lying breccia zone of dimensions 700 feet by 1200 feet was tested by one diamond drill hole. Economic mineralization in this zone appears to be low.

6. Geochemical Anomalies

A number of soil samples have indicated zones which contain anomalous amounts of heavy metal. One such zone correlates with a mineralized granodiorite stock found up slope from the geochemical anomaly. Follow up work will be done on these promising structures.

RECOMMENDATIONS

The recommended programme is designed to obtain additional information on this structure in order to reclassify indicated and inferred ore as measured ore, and to carry out the initial feasibility study which would include possible mining methods, plant design and projected cash flow.

1. Confirm the known mineralization and sample the zone to a depth of 1500 feet by diamond drilling from the 3000 foot level.

2. Make a study and decide on the mining method which would be most advantageous
   i) block caving
   ii) open stope
   iii) a combination of methods.

3. Perform additional metallurgical testing on the ore to further establish recovery rates and to decide on a flowsheet design for any proposed mill.

4. With this information an initial feasibility report will be prepared which will give expected cash flow and operating profit over the life of the mine.

BUDGET FOR PROPOSED PROGRAMME

Diamond drilling	$ 35,000.00
Assaying	4,000.00
Mining Method Study	10,000.00
Metallurgical Testing	10,000.00
Initial Feasibility Report	5,000.00
Geologist	3,000.00
Management Overhead	3,000.00
Field Camp & Supplies	5,000.00
Annual Assessment Work	10,000.00
Bulldozer work	2,000.00

Labour		$ 3,000.00
Contingency		10,000.00
	TOTAL	$100,000.00

INTRODUCTION

This report has been compiled for Brenmac Mines Ltd. (N. P. L.) at the request of Mr. L.N. Udell, President. The report presents a summation of all available information and the writer's interpretation of these results.

During the months of July and August 1971 the writer spent eleven days inspecting the underground workings, the outcrops, the split drill core from a number of the diamond drill holes and plotting and compiling the data which is presented in Appendix "A".

The information for this compilation was obtained from reports by Dr. A. C. Skerl, P. Eng., (1967-1968); by Cannon-Hicks Associates Ltd., P. Eng., (1970-1971); by Britton Research Limited, P. Eng., (1971); private report by W. C. Douglas, Mining Engineer, (1962) and from a published U. S. Government Report, Bulletin No. 36, Geology and Ore Deposits of the Sultan Basin, Snohomish County, Washington (1945)

PROPERTY AND LOCATION

The properties consist of 98 unsurveyed mining claims and 16 state mineral leases which make up a total of 11, 905 acres all of which are located in eastern Snohomish County, Twps 28N, 29N, Range 10E,

Washington State, U. S. A. latitude 48° 6'; longitude 121° 30'. These properties are in the area known as the Sultan Basin, and can be reached by paved highway and a well maintained government secondary road from the town of Sultan, a distance of some 25 miles.

The claims are recorded in the Snohomish Court House and the leases are recorded at the Department of Natural Resources, Olympia, Washington. All ground is currently in good standing.

TOPOGRAPHY

The properties are in mountainous country, part of the Cascade Range. Elevations range from 1400 feet at valley level to 6100 feet at mountain peaks.

CLIMATE

The climate is normal for the mountainous area of the Pacific northwest. Annual precipitation is in the order of 70 inches of rain and 80 inches of snow. There are four months of freezing weather with temperatures dropping to a low of approximately -10° F.

RESOURCES AND FACILITIES

Important natural resources which can be supplied by the surrounding area include timber, water, road construction material and manpower.

High tension power lines are within 20 miles of the property and rail lines are within 25 miles.

American Smelting and Refining Co. Ltd smelting facilities are located at Tacoma, some 100 miles south-west of the property.

Tidewater is 50 miles west of the Sultan Basin.

HISTORY

Copper prospecting and minor production has been carried out in the Sultan Basin intermittently since the late 1800's, but since at that time the area was inaccessable, the development was slow. Until the year 1941 the total value of metals produced was only $134,831.00.

During the years 1959 and 1960 Bear Creek Mining Company, Kennecott's exploration subsidiary, examined and mapped the surface expression of the Sunrise Breccia Pipe. No diamond drilling was done during this programme. Bear Creek reported a surface zone which was thought to contain 3,000,000 tons of material grading 0.775% Cu, 0.0357% MoS_2 and 0.4368 oz/ton Ag.

Some time during the years 1962, 1963, the Malaspina Mining Company Limited of Vancouver, B.C. acquired an option to the property and performed a minor amount of small diameter diamond drilling. The results of this work were inconclusive.

During the years 1967 and 1968 Brenmac Mines Ltd. (N.P.L.) optioned the Sunrise property from the owners, staked additional claims in the area and acquired a number of state mineral leases.

Since then a vigorous and rewarding exploration programme has been carried out on the property by Brenmac Mines Ltd (N.P.L.) at a total cost of approximately 1.5 million dollars.

This work includes:

Diamond drilling.....	17,338 feet
Percussion drilling.....	800 feet
Underground development	
(a) adits.....	3,728 feet
(b) drifts.....	557 feet
(c) crosscuts.....	1,256 feet
Metallurgical testing of bulk samples.	

To date, Brenmac has indicated one zone of mineralization which contains 71 million tons of material; which according to present information appears to be capable of sustaining production, and some outside zones which may eventually add substantial tonnages to the overall production figures.

REGIONAL GEOLOGY

The geology of the Sultan Basin is described in Bulletin No. 36 of the Division of Mines and Geology, State of Washington by W. Carithers and A. K. Guard, 1945.

The oldest formation is a complex series of metamorphosed sediments of Paleozoic age. These sediments which were originally argillite or sandstone are now classed as hornfels.

This formation is overlain by a younger series of continental beds - conglomerate sandstone and argillites of Mesozoic age, and is intruded by a periodotite dyke which has been serpentinized.

All these formations are intruded by a batholith of quartz diorite of Mesozoic or Tertiary age.

Valley floors are generally covered by unconsolidated glacial material.

LOCAL GEOLOGY

The rocks underlying the Brenmac properties are part of the metamorphosed Paleozoic formation and are locally mapped as hornfels and metamorphosed quartzite.

These sediments are intruded by coarse crystalline quartz diorite, which is undoubtedly the source of mineralizing fluids.

MINERALIZATION

The most important mineralized structure found to date is the Sunrise Breccia Pipe. This zone has a surface expression at elevation 4400 feet to 4800 feet that is 650 feet long and up to 250 feet wide with the long axis in a direction N 30° W. This structure has been explored by diamond drilling and underground workings to an elevation of 1500 feet - a total vertical distance of 3300 feet, and it is still open at depth.

Dip of the hanging wall is 75° to the southeast and the dip of the foot wall is 85° to the southeast; the zone is therefore widening with depth. The zone is also increasing in length with depth.

At the 3000' level the breccia is an elliptical zone with the long axis 1000 feet long in a N 30° W direction and the short axis 400 feet long. The increase in size below this level is unknown.

The breccia fragments vary in size from less than one inch to several feet across. The intersticies are lined with quartz crystals, calcite, chalcopyrite, pyrrhotite, molybdenite and scheelite. At times disseminated chalcopyrite and molybdenite can be found in the fragments.

These are thought to be related to the "crossing zones."

The breccia is cut by a series of parallel faults that strike in a northeast direction and dip steeply to the southwest. One of these faults has offset the breccia 30 feet in a right hand direction.

In a general sense, the breccia has no dominant structural feature, and taken as a whole, is a pipe-like massive zone, shaped like an elongated inverted carrot with a lower limit that is unknown.

GRADE AND TONNAGE

The breccia pipe structure has been sampled by a number of surface pits, short adits, shallow drill holes, deep diamond drill holes and an underground adit with two crosscuts. Using this information in conjunction with projected operating costs and metallurgical recoveries, the classification of ore can be made using the U. S. Bureau of Mines definitions.

Measured Ore:

"'Measured Ore' is ore for which tonnage is computed from dimensions revealed in outcrops, trenches, workings and drill holes and for which the grade is computed from the results of detailed sampling. The sites for inspection, sampling and measurement are so closely spaced and the geologic character is so well defined that the size, shape and mineral content are well established. The computed tonnage and grade are judged to be accurate within limits which are stated, and no such limit is judged to differ from the computed tonnage or grade by more than 20 per cent."

Indicated Ore:

" ' Indicated Ore' is ore for which tonnage and grade are computed partly from specific measurements, samples or production data and partly from projection for a reasonable distance on geologic evidence. The sites available for inspection, measurement and sampling are too widely or otherwise inappropriately spaced to outline the ore completely or to establish its grade throughout. "

Inferred Ore:

" ' Inferred Ore' is ore for which quantitative estimates are based largely on broad knowledge of the geologic character of the deposit and for which there are few, if any, samples or measurements. The estimates are based on an assumed continuity or repetition for which there is geologic evidence; this evidence may include comparison with deposits of similar type. Bodies that are completely concealed may be included if there is specific geologic evidence of their presence. Estimates of inferred ore should include a statement of the special limits within which the inferred ore may lie. "

The following table is an outline of the different classes of ore in the Sunrise Breccia Pipe:

TONNAGE AND GRADE CALCULATIONS

MEASURED ORE				Indicated additional values to measured ore		
	Tonnage	Cu	MoS_2	Wo_3	Au	Ag
Block "A"	2,870,150	0.361	0.051	?	?	?
Block "B" and "C"	11,998,300	0.352	0.037	.062	0.004	0.088
Block 3000'	3,719,533	0.356	0.017	.045	?	?
TOTAL	18,587,983	0.354	0.035	.058	0.004	0.088
INDICATED ORE						
From 2400' el. to 3600' el.	10,309,216	0.354	0.035	.058	0.004	0.088
From 3600' el. to surface (4800' el.)	18,000,000	0.433	0.039	?	0.006	0.049
	28,309,216					
	Measured ore and indicated ore surface to 2400' elevation			46,897,199		
INFERRED ORE						
From 2400' el. to 1500' el.	24,300,000	0.195	0.115	.030	?	?
TOTAL	71,197,199	Surface 4800' elevation to 1500' elevation				

The measured ore in Block "A", Block "B" and "C" and Block 3000' is immediately adjacent to the 3000' level, is accessible via the adit and crosscuts and can be seen in two dimensions. The ore grade is calculated from the assay results of 25 diamond drill holes over a total length of 8,824 feet of core.

The grade of the indicated ore around the measured ore blocks between elevations 2400 feet to 3600 feet is calculated from the assay results of the above diamond drill holes.

The grade of the indicated ore above this zone, from elevation 3600 feet to surface at 4800 feet is calculated from the assay results of 2 diamond drill holes over a total length of 924 feet of core. The higher grade surface samples reported by Bear Creek Mining have been omitted from my calculation.

The grade of the inferred ore from elevation 2400 feet down to elevation 1500 feet is calculated from the assay results of 3 diamond drill holes over a total length of 1930 feet of core.

All drill core was sampled at intervals of 10 feet if practical, split and sent to the Bondar-Clegg laboratories in North Vancouver, B.C. where the assays were made. Check work on these assays was done by sending spot samples to Crest Laboratories, Vancouver, B.C. and Union Assay Office, Salt Lake City, Utah.

Possible Increase in Grade

A comparison between samples taken from two diamond drill holes and from muck samples of one drift and one crosscut on the 3000' level can be summarized as follows:

1. HOLE U-7 - flat hole on 3000' level; Azimuth 341°

Distance	Cu %	MoS_2 %
260 feet	0.390	0.017

Main Drift - Along Hole U-7; Azimuth 341°

Distance	Cu %	MoS_2 %
260 feet	0.442	0.021

Increase in muck samples over drill hole samples,

Copper	13.33%
Molybdenum	23.53%

2. HOLE U-10 - flat hole on 3000' level; Azimuth 60°

Distance	Cu %	MoS_2 %
289 feet	0.313	0.017

Crosscut 3003E - along Hole U-10; Azimuth 60°

Distance	Cu %	MoS_2 %
288 feet	0.339	0.020

Increase in muck samples over drill hole samples,

Copper	8.31%
Molybdenum	17.65%

This information suggests that there is a dramatic rise in the actual grade of the ore zone over the values calculated from the results of the diamond drilling. Further underground bulk sampling will be needed to establish the actual amount of this upgrading.

POSSIBLE INCREASE IN TONNAGE

The information at hand shows that the ore zone is increasing in size from surface to the 3000 foot level. If this rate of increase to the 1500 foot elevation remains the same there is the possibility of increasing the tonnage potential of the known zone to a total of more than 80, 000, 000 tons.

Since the breccia structure is "open" at depth a further increase in tonnage is expected. The ultimate tonnage of the whole zone is unknown at this time, and is a matter for speculation. It seems reasonable however to expect the mineralized structure to top the 100 million ton figure.

MINING METHOD

The shape and size of the breccia pipe and the nearly vertical attitude facilitates a large-scale underground bulk mining method. The rate of production and the mining method to be used can only be decided when more detailed information is available.

Block caving, sub-level caving, or long hole stoping or any combination of these methods appear at this time to be the most favoured.

The 71 million tons of ore currently indicated can be delivered to a mill without the need of a shaft. A proposed 10, 000 foot haulage tunnel on the 1500 foot level would be used to move this material.

METALLURGICAL TESTS

Preliminary metallurgical tests were carried out by Britton Research Limited on a composite sample of copper-tungsten-molybdenum ore from the Brenmac property. The sample which was chosen as a representative sample by Cannon-Hicks Associates Ltd., consisted of 3 bags of ore weighing 291 pounds.

The final results of this test work confirm the following recoveries:

Copper	at least	90% -- concentrate + 26%
Molybdenum	at least	85% -- concentrate + 54%
Tungsten	at least	50% -- concentrate + 65%
Gold	about	50% --acceptable grades
Silver	about	70% - acceptable grades

A copy of the metallurgical testing is included in Appendix B.

OTHER ZONES OF MINERALIZATION

A number of outside mineralized zones have been located and partially tested during the last four years.

1. A mineralized granite stock of surface area of 1 million square feet located approximately three miles southwest of the Sunrise Breccia Pipe has been sampled by three diamond drill holes and by surface sampling. This zone contains an estimated 35 million tons of material with the following grade:

a) Surface chips - representative sample

0.34% Cu

0.037% MoS_2

Drill Holes:		Cu%	MoS_2%	Ag oz/ton
Hole R-1	460'	0.31	0.025	?
Hole R-2	410'	0.32	0.028	?
Hole R-3	150'	0.24	?	?

The extension of this zone correlates with one of the geochemical soil anomalies found during the early stages of the programme. Follow up work will be done on this area.

2. Crossing Zone - a zone of mineralized country rock crosses the Sunrise Breccia Pipe and is found both on the east and west sides of the breccia.

Samples from two diamond drill holes located on the north side of the breccia show that this mineralized zone is approximately 150 feet wide. The grade of the zone, calculated from the weighted average of the drill holes appears to be 0.33% Cu and 0.0067% MoS_2.

This zone could add some 6 million tons of potential ore to the Sunrise Breccia Pipe structure.

3. Adit Zone - at a distance of 500 feet from the portal of the adit on the 3000 foot level, copper mineralization is encountered, and a modest amount can be seen from that point until the mineralized breccia is cut - a horizontal distance of 2850 feet. This mineralization which is hosted by cherty argillite and hornfels occurs in three sets of fractures, the most prominent of which is parallel to the "crossing zones" with a strike of N 70° E and a 60° north dip. Other attitudes are N 45° E with a 70° north dip and horizontal.

Three areas of higher grade mineralization occur at 540 feet to 720 feet, 820 feet to 900 feet and 2100 feet to 2400 feet. The copper content of these zones has not been established but chip samples return assays from 0.1% to 0.4%.

The writer observed tungsten mineralization all along the better mineralized portion of the adit which visually compares favourably with the tungsten content of the breccia. No tungsten assays have been made to date.

It is anticipated that the intersection of these zones with the breccia pipe structure should cause an up-grading in the mineral content of the breccia.

General Statement

The mineralization that is indicated in the Sunrise Breccia Pipe is in the opinion of the writer sufficiently high to justify a mining and milling operation. A complete sampling programme to measure the exact mineral content of the indicated and inferred zones and a complete feasibility study will be needed to make final decisions on the size of any proposed operation, and the flowsheet design of any mill.

The possibility of increasing the tonnage of ore at depth, from the crossing zones, from the adit zones and from other mineralized structures is excellent. Even the small high grade mines in the area may be capable of modest high grade production once an operation is underway.

The Brenmac property with its mineralized breccia pipes, mineralized surrounding crackle zones and its mineralized granite stocks has many of the classic characteristics of the major porphyry type ore deposits and may yet be one of the major deposits of the Pacific North West.

ECONOMIC ASPECTS

Although further data on the economic aspects of the Brenmac property is required, the general possibilities must be considered at this time.

Using the price of copper at 50¢ per pound, molybdenum at $1.70 per pound, tungsten at $55.00 per unit, gold at $35.00 per ounce and silver at $1.60 per ounce, the following value can be assigned to the ore:

VALUE OF ORE

	Tonnage			
Block "A") Block "B") and "C") Block 3000')	18,587,983	Measured Gross Value	$4.31	
		Indicated additional gross value	$2.03	$6.34
Indicated Ore from 2400' el. to 3600' el.	10,309,216	Indicated Gross Value		$6.34
from 3600' el. to surface	18,000,000			$6.37
Inferred Ore from 2400' el. to 1500' el.	24,300,000	Inferred Gross Value		$5.56

Copper, molybdenum, gold and silver value calculated at 100%.

Tungston value calculated at 50%.

Production Costs:

Large scale underground bulk mining at the rate of 20,000 tons per day should be done at the following rates:

Operating Costs:		
Block Caving	$1.00 per ton	
Underground development	$0.75	
Concentrating	$0.80	
Overhead	$0.30	$2.85 per ton

Capital Costs:		
$2500.00 per unit --	$50,000,000.00	
Interest on money 10%	5,000,000.00	
	$55,000,000.00	$0.77 per ton
		$3.65 per ton

It is expected that a work force of roughly 800 men would be needed to operate a mine and mill of this size, and that with the life of the mine estimated at 10 years. Any increase in tonnage would increase this life proportionately.

Respectfully submitted,

James R. Glass,
Consulting Geologist

August 23, 1971.

CERTIFICATE

I, James R. Glass, residing at 910 Ash Street, Richmond, British Columbia, do hereby certify:

I am a Consulting Geologist with offices at 433 355 Burrard Street, Vancouver, British Columbia.

I further certify that:

1. I am a graduate of McGill University (1961) and hold a B. Sc. degree in Geology.

2. I have been practising in my profession for the past ten years.

3. I am a Fellow of the Geological Association of Canada and a member of the American Institute of Mining Engineers.

4. The information for the accompanying report was obtained from personal examination of the underground workings, the outcrops, the split drill core during the months of July and August and also from information obtained from reports by Dr. A. C. Skerl, P. Eng., (1967-1968); by Cannon Hicks Associates Ltd., P. Eng., (1970-1971); by Britton Research Limited, P. Eng., (1971); private report by W. C. Douglas, Mining Engineer, (1962) and from published U. S. Government Report, Bulletin No. 36, Geology and Ore Deposits of the Sultan Basin, Snohomish County, Washington (1945).

5. I have no direct or indirect interest whatsoever in the property described herein, nor in the securities of Brenmac Mines Ltd. (N. P. L.) and do not expect to receive any interest therein.

James R. Glass,
Consulting Geologist

August, 1971

APPENDIX "A"

BLOCK "A"

3000' Level	Area	Cu	MoS_2	AxCu	$AxMoS_2$
L - 1	625	.752	.215	470	134
L - 2	12,417	.224	.053	2,781	658
L - 3	21,230	.330	.035	7,006	743
L - 4	13,998	.507	.075	7,097	1,050
L - 5	5,685	.371	.027	2,109	153
L - 6	680	1.000	.300	680	204
L - 7	2,768	.689	.053	1,907	147
	57,403	.384	.054	22,050	3,089
FAN A	114,494	.350	.050	40,046	5,720
GRADE OF BLOCK					
	171,897	.361	.051	62,096	8,809

TONNAGE OF BLOCK

57,403 x 600 ÷ 12 = 2,870,150

BLOCK "B" AND "C"

3000' Level	Area	Cu	MoS_2	AxCu	$AxMoS_2$
L - 8	21,708	.610	.018	13,242	391
L - 9	55,602	.230	.014	12,788	778
L - 10	13,708	.463	.035	6,347	480
L - 11	8,241	.489	.015	4,030	124

BLOCK "B" AND "C" Continued

3000' Level	Area	Cu	MoS_2	AxCu	$AxMoS_2$
L - 12	7,912	.313	.020	2,476	158
L - 13	8,820	.311	.008	2,743	71
L - 14	3,082	.366	.076	1,128	234
L - 15	910	.246	.011	224	10
	119,983	.358	.019	42,978	2,246
FAN B	166,261	.371	.024	61,792	4,050
FAN C					
C - 1	44,945	.265	.021	11,910	944
C - 2	44,398	.395	.029	17,537	1,288
C - 3	40,268	.355	.090	14,295	3,624
C - 4	34,654	.433	.028	15,005	970
C - 5	24,827	.322	.158	7,994	3,923
C - 6	30,368	.341	.025	11,378	759
C - 7	14,105	.199	.123	2,807	1,735
C - 8	8,996	.307	.027	2,762	243
C - 9	15,479	.200	.016	3,096	248
C - 10	884	.364	.039	322	34
C - 11	3,964	.353	.033	1,399	131
	262,888	.337	.053	88,505	13,899
GRADE OF BLOCK					
	549,132	.352	.037	193,275	20,195

TONNAGE OF BLOCK

119,983 x 1200 - 12 = 11,998,300

3000' LEVEL BLOCK

GRADE OF BLOCK

	Area	Cu	MoS_2	AxCu	$AxMoS_2$
L - 16	37,855	.258	.008	9,760	303
L - 17	5,771	.328	.012	1,895	69
L - 18	1,622	.243	.030	394	49
L - 19	13,510	.259	.020	3,618	279
L - 20	2,950	.365	.021	1,077	62
L - 21	3,233	.380	.022	1,229	71
L - 22	40,420	.454	.024	18,351	970
L - 23	3,155	.598	.026	1,885	82
L - 24	3,070	.492	.016	1,510	49
	111,586	.356	.017	39,719	1,934

TONNAGE OF BLOCK

111,586 x 400 ÷ 12 = 3,719,533

INDICATED TONNAGE - FROM 3600' ELEVATION TO SURFACE

	Footage	Cu	MoS_2	Au	Ag
GRADE					
Hole 13	484'	0.36	0.041	0.008	0.037
Hole 15	440'	0.514	0.0365	0.004	0.063
		0.433	0.039	0.006	0.049

TONNAGE

18,000,000

INDICATED TONNAGE

From 2400' Elevation to 3600' elevation

GRADE			Cu	MoS_2
	Block A	2,870,150	0.361	0.051
	Block B & C	11,998,300	0.352	0.037
	Block 3[illegible]00'	3,719,533	0.356	0.017
			0.354	0.035

TONNAGE

10,309,216

INFERRED TONNAGE

From 2400' Elevation to 1500' elevation

	Footage	Cu	MoS_2	Wo_3
Hole SE-A	180'	0.195	0.090	?
Hole SE-B	810'	0.159	0.105	0.02
Hole SD-B	940'	0.227	0.129	0.044
		0.195	0.115	0.030

TONNAGE OF BLOCK

27,000 tons per vertical foot x 900' ÷ 12 = 24,300,000

TUNGSTEN GRADE

FAN B	Footage	Wo_3	Footage x Wo_3
Hole SD-B	500'	.011	5.50
Hole SE-B	280'	.02	5.60
Hole C-3	542'	.130	70.46
	1,322	.062	81.56

LEVEL	30 samples	.04 Wo_3
		.05 Wo_3
		.07 Wo_3

GOLD & SILVER GRADE

FAN B	Footage	Footage x Au oz/ton	Footage x Ag oz/ton
Hole 11	605'	0.0023 - 0.13	1.3915 - 78.65
Hole C-3	542'	0.006 - 0.042	3.252 - 22.764
	1,147'	0.004 - 0.088	4.6435 - 101.414

APPENDIX "B"

BRITTON RESEARCH LIMITED
Consulting Metallurgists
1612 WEST THIRD AVENUE
VANCOUVER 9, B. C.
CANADA

JOHN W. BRITTON, A.R.S.M., B.Sc., P.Eng.
PRESIDENT

PHONE: 738-7195
AREA CODE: 604

April 20, 1971.

Mr. D.M. Cannon, P.Eng.,
Cannon-Hicks Associates Ltd.,
714-744 West Hastings Street,
Vancouver 1, B.C.

Dear Don,

Re: BrenMac Mines Limited - Metallurgical tests

This is to confirm the results which we gave you by phone on April 16, 1971.

Copper-molybdenum flotation

In our latest test (see attached table), we recovered 98.3% of the total copper and 97.0% of the molybdenum in a rougher concentrate assaying 13.57% Cu and 3.33% MoS_2. In an earlier test, the results of which were attached to our letter dated March 9, 1971, we had obtained copper and molybdenum recoveries of 98.5% and 97.5% respectively in a rougher concentrate assaying 9.11% Cu and 2.18% MoS_2. 3-stage cleaning increased the grade to 24.96% Cu and 6.36% MoS_2; copper and molybdenum recoveries in the cleaned concentrate were 90.1% and 95.0%. The concentrate had relatively high lead (0.40%), zinc (0.80%) and bismuth (0.18%) assays. Work on other ores indicates, however, that it should be possible to reduce the impurities to satisfactory levels during subsequent separation of the copper and molybdenum; an acid leaching step would almost certainly be necessary but is not expected to present much of a problem. Some gold and silver would be recovered in the copper concentrate.

(Cont.)

RECEIVED
APR 21 1971

Tungsten flotation

In test 303-5, 84.3% of the tungsten in the ore was recovered by floating the copper-molybdenum tailings; the rougher concentrate assayed 0.58% WO_3. The concentrate was classified and the sands and slimes were cleaned separately. The final sands concentrate assayed 8.59% WO_3 and contained 63.4% of the tungsten in the original ore. It was evident that the grade could have been improved considerably by additional cleaning; an acid leaching step, as well as high intensity magnetic separation, would almost certainly also be required in order to produce a shipping-grade scheelite concentrate; if necessary, the concentrate could be treated chemically to produce artificial scheelite.

Due to the tendency for calcite to float, the slime fraction of the concentrate was much more difficult to clean. After 2 cleaning steps, the concentrate assayed only 1.24% WO_3; an attempt to depress the calcite in the 3rd cleaning resulted in almost all of the scheelite being lost into the cleaner tailing.

Combining the final sands concentrate with the slime concentrate after 2 cleanings gave a tungsten recovery of 74.8% at a grade of 4.52% WO_3.

As you appreciate, a considerable amount of additional work would be required to determine the best conditions for treating the ore. We feel, however, that it is reasonable to assume, for the time being, that the following results would be obtained when treating similar ore in a full-scale mill:

Copper: A recovery of at least 90% in a concentrate assaying more than 26% Cu.

Molybdenum: A recovery of at least 85% in a concentrate assaying over 90% MoS_2 (54% Mo) with acceptable amounts of impurities.

(Cont.)

Gold and silver: Recoveries of about 50% and 70% respectively in the copper concentrate.

Tungsten: A recovery of at least 50% in a concentrate of acceptable grade (over 65% WO_3).

We are preparing a full report on the tests and will forward copies to you as soon as possible.

Yours sincerely,

BRITTON RESEARCH LIMITED

John W. Britton, P.Eng.

John W. Britton, P.Eng.
Consulting Metallurgist

JWB/ls

Cannon-Hicks Associates (BrenMac project) - Composite #4 - Test 303-5

Individual results

#	Product	Weight %	Assays Cu %	Assays MoS_2* %	Assays WO_3 %	Distribution % Cu	Distribution % MoS_2	Distribution % WO_3
1	Cu/Mo rougher concentrate	2.55	13.57	3.33	0.08	98.32	97.02	1.2
2	Final WO_3 sands concentrate	1.27			8.59			63.4
3	3rd WO_3 sands cleaner tailing	1.19			0.21			1.5
4	2nd " " " "	6.91			0.06			2.4
5	1st " " " "	4.09			0.05			1.2
6	Final WO_3 slimes concentrate	0.09	0.008	0.0049	1.13	0.57	1.39	0.6
7	3rd WO_3 slimes cleaner tailing	1.49			1.25			10.8
8	2nd " " " "	3.25			0.08			1.5
9	1st WO_3 slimes cleaning, 2nd conc.	0.62			0.20			0.8
10	1st WO_3 slimes cleaner tailing	6.17			0.06			2.1
11	1st WO_3 scavenger conc.	2.61	0.012	0.0022	0.09	0.09	0.07	1.4
12	2nd " " "	2.33	0.009	0.0020	0.10	0.06	0.06	1.3
13	WO_3 scavenger tailing	67.43	0.005	0.0019	0.03	0.96	1.46	11.8
14	Head (calculated)	100.00	0.35	0.088	0.17	100.00	100.00	100.0
14	Head (direct assays)		0.36	0.080	0.16			

Cumulative results

2	Final WO_3 sands concentrate	1.27			8.59			63.4
2 + 3	WO_3 sands conc. after 2 cleanings	2.46			4.54			64.9
2 to 4	" " " " 1 cleaning	9.37			1.24			67.3
2 to 5	Sands ex WO_3 rougher conc.	13.46			0.88			68.5
6	Final WO_3 slimes concentrate	0.09			1.13			0.6
6 + 7	WO_3 slimes conc. after 2 cleanings	1.58			1.24			11.4
6 to 8	1st WO_3 slimes cleaner concentrate	4.83			0.46			12.9
6 to 9	Combined WO_3 slimes cleaner concs.	5.45			0.43			13.7
6 to 10	Slimes ex WO_3 rougher conc.	11.62			0.23			15.8
2 to 10	WO_3 rougher concentrate	25.08	0.008	0.0049	0.58	0.57	1.39	84.3
2 to 11	WO_3 rougher + 1st scav. conc.	27.69	0.008	0.0047	0.53	0.66	1.46	85.7
2 to 12	Total WO_3 concentrates	30.02	0.008	0.0044	0.50	0.72	1.52	87.0
1 to 12	Total concentrates	32.57	1.07	0.26	0.47	99.04	98.54	88.2
2+6+7	Final WO_3 sands conc. + slime conc. after 2 cleanings	2.85			4.52			74.8

* Total Mo calculated as MoS_2

INSTRUCTIONS FOR USE

1. Void Previously Used Block
2. Identify Agency of Addressee
3. Write Clearly
4. Send Surplus Envelopes to Supply Room for Reissue

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP		STOP
	STOP	Phy & Study Bldg	STOP
	STOP	Phy - Rm 13-61 b-21	STOP
	STOP		STOP
	STOP		STOP

Use other side first

☆ U. S. GOVERNMENT PRINTING OFFICE: 1970-396-498/1

Standard Form No. 65
November 1961
General Services Administration
FPMR (41 CFR) 101-11.6

U.S. Government Messenger Envelope

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
[redacted]	STOP	[redacted]	STOP
[redacted]	STOP	Mr. John Eric Room 1224 GSA Bldg.	STOP
Miss Baker 517	STOP	[redacted]	STOP
Miss [illegible] Interior 2759	STOP	~~Mr. Sheldon P. Wimpfen~~ ~~Room 3512~~ ~~Interior Bldg.~~	STOP
[redacted]	STOP	[redacted]	STOP
[redacted]	STOP	Maps - Dec - 4th letter " " 15 letter Upton Sulton Baxin 12/4	STOP
[redacted]	STOP		STOP
Agnes Whitlow U. S. Geological Survey Agriculture Research Center Building #420 Beltsville, Maryland	STOP		STOP
[redacted]	STOP		STOP
Publications Distribution Section U.S. Geological Survey Arlington, Va. STOP 29-A	STOP		STOP

Use other side

Use STOP only when messenger service between Government buildings in Washington, D.C., is required or wherever a STOP system is used. Your mail room has STOP information.

65-107

4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions ____ None ____ (State "None" or "See Annex No.____".)

Dated this ____ day of ____, 19____.

_____ (Street)
_____ (City & State)
_____ (Seal) _____

_____ (Street)
_____ (City & State)
_____ (Seal) _____

_____ (Street)
_____ (City & State)
_____ (Seal) _____

_____ (Street)
_____ (City & State)
_____ (Seal) _____

_____ (Street)
_____ (City & State)
_____ (Seal) _____

_____ (Street)
_____ (City & State)
_____ (Seal) _____

I, _____ (Name), certify that I am the _____ (Title—Secretary, etc.) of the corporation named herein; that _____ (Name), who signed this agreement was then _____ (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

(Corporate Seal)

INT.-DOP. SEC., WASH., D.C. 21103

CENTURY EXPLORATIONS, INC. 502 Rust Bldg. Tacoma, Washington. 98402

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090–
Contract Date

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

LIEN AND SUBORDINATION AGREEMENTS 1/

To the United States of America:

That certain land in the County of Snohomish, State of Washington, described as follows: 2/ Those unpatented mineral claims situate in Snohomish County aforesaid lying in Sections 10 and 15, Township 29 North, Range 10, East of the West Meridian known as Quaker, Wall Street, Occidental and Eldorado, collectively known as the "Sunrise Mining Claims"

hereinafter called the "land", is the subject of a proposed exploration contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government" and

CENTURY EXPLORATIONS, INC. 3/

hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

~~(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same~~ 4/

2. Undertakes and agrees that property in which the Government may acquire an interest or equity under the Contract may be dismantled, severed from the land, and removed as may be provided in the Contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned.

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.)

An Option to Purchase dated the 7th of April, 1967 (a copy of which is annexed hereto, such Option being acquired by assignment by the applicant Century Explorations, Inc.

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease /or contract, deed, or other document/ dated _____, and recorded in Book _____, Page ____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

6701
1st file
folder - in Map drawer

Century Exploration, Inc. OME-6701

(1) Dept of Ecology ltr Nov. 9, 1971. Impoundment of Federal grant is in error - not on bond or interest.

(2) Forest Service letter Nov. 19, 1971. Environmental impact study needed but Forest Service can't do it.

(3) Ltr. from Griffin Dec. 1, 1971. Negotiated bid with Canadian drilling firm only. No other bids requested. Bids from C.M. Inc. Nov. 30, 1971 for XC drilling, M. Boyles Drilling Contractor 10/22/71. Can't get L & S so requests permission to furnish bond.

Option to purchase April 7, 1967 - Mr. Robert Maxwell, Curtis Pierce, Kelley, Weenert owners of 4 claims on Bessie and Keith Hawkins and Kenneth Armstrong, Lessees. Sunrise mining claim Quaker, Wall Street, Occidental, Eldorado.

Assignment April 12, 1967 Keith Hawkins and Kenneth Armstrong, assignors, and Century Exploration & Resources, Ltd.

Articles of Incorporation of Century Exploration, Inc. March 16, 1967.

Financial statements Resources & Century Exp Co.

Burbank —
Seaway Mining Co. —
B & V Enterprises —

~~Goldberg~~

New York, Pennsylvania, Connecticut, New Jersey.

Mark Goldberg
251-41 61 Avenue
Little Neck, N.Y. 11362

(2) 1- OME drilling would not significantly ~~affect go~~ proportionately increase the geologic knowledge of the deposit necessary to decide go or no go, $50,000 vs $1.5 million already spent.

(1) 2- Marginal nature of values in deposit operating cost estimates bit optimistic.

3- Government participation for promotional purposes

4- Nature of work more nearby development than exploration type work. Target area already tested over horizontal ~~range~~ length of X feet, vertical range of 3300', horizontal width of X feet. Proposed drilling is within these block limits.

(4) 5- Constraints on OME budget

6- Delays in submitting information - when last start was made by applicant to complete application.

7- Environmental aspects.

Review - Sullan Basin
Sunrise Prospect.

1. Original application Jan 25, 1968
   x cut - 8x8, fan drilling at 100' spacing
   ~~letter~~ applicant informed that this approached
   development, and that only the "exploration" portion would
   be an allowable expense
   (in March 14, 1968 OME letter)

1 April 2, 1968 modified work proposal to 5x7 drift &
   4000 ft of drilling - partial answers to questions

3. OME July 8, 1968 letter requests other answers
   3a "30 day letter" - Aug 12, 68
   3b. Memo OME 9-19-68 - withdrawn

5. March 11-71 - new application $79,400.

4. 3-15-69 Sherk letter inquires about status
   4b. 3-21-69 Reply, requesting info. previously requested
   ~~4 3-26-69~~ and citing lack of funds

5b - Puffett letter 3-16-71 citing need for additional items, outlining deficiencies
   in application.

5c OME letter 5-13-71 citing Puffett letter requests & lack of reply by applicant
5c " " 6-29-71 "30 day" letter

6. 7-9-71 letter of interest in continuing, but no additional info.
6b OME letter 10-5-71 - saying considered withdrawn

7. 10-29-71 - letter, transmitting consultant report
7b OME letter 11-5-71 - ack. report, outlining info needed per Puffett letter 3-16-71

8. 12-1-71 letter & enclosures, with revised exploration plan, Environment letter
   426 ft of drift, 1935' of drilling $66,810.
   or 1940' of drilling

8, b Puffett letter 12-7-71, outlining deficiencies remaining

9. 12-8-71 letter, more details, plus a letter from consultant with a budget for $506,000 of work -

9 b Puffett letter 12-9 - questions about contract prices, bank letter

10. 12-10-71 letter - bank letter, contract bids

10 b 12-16-71 Puffett letter - transmitting performance bond forms

11 12-22-71 letter - map, forms, environment letter

11 b 12-30-71 Puffett letter - forms.

12. 12-30-71 Puffett memo to OME

13. 2-14-72 OME letter - request financial statement of parent corp. + clarification of title.

14. 2-29-72 letter + financial report of Breakiron

According to Cannon - Hecker report of ~~Fe~~ 9-1970

Zone at surface 600 x 200 feet, depth 2000' below surface

at 3000 level (1500' below surface) 1000 x 400

Work to date (9-1970) 16,774 ft of which 7,000 from surface

3,500 flat holes underground

5,500 angle holes "

700 outside bx "

in addition 1,000 ft of drilling previously by Malespins Co.

~~Added costs per report~~ thru 11-12-71

$ 90,243

Drilling 3468 ft. + 1689 = 5177'

+ 50' raise

units 969,370

+ shares 285,000

= 114,000

$ 1,173,613

7240 45.00

Using Company metallurgical testing, recoveries

of 90% of the Cu and 85% of the MoS_2

50% of the Au and 70% of the Ag

50% of the WO_3

Tonnage	Average grade		Cu	MoS_2	WO_3	Au
2,870,000	Block A		0.361	0.051	—	
11,998,000	"	B+C	0.352	0.037	0.062	.004
3,720,000	"	3000'	0.356	0.017	0.045	
18,588,000			0.353	0.0351	0.058	

7.6 lbs/Cu per Ton 0.7 lbs MoS_2/Ton 1.16 lbs WO_3/Ton

10108
42233
13243
65684

Cu recover 6.84 lbs/Ton @ 52¢ = $~~3.59~~ 3.34

7.06 lbs @ 90
6.354 lbs

MoS_2 recover. 0.595 lbs/Ton @ 1.70 = $1.01

14637
44393
6324
65354

WO_3 recover 0.58 lbs/Ton = $~~1.16~~ 1.54

Au .002 oz/Ton @ $35. = 0.07

Ag .088 x 70/Ton .0616 x 1.60 0.09
33.
.002
.070

~~$5.92~~

6.10

Glacier Peak
18 million tons
0.03% Cu
0.06% Mo

Bear Creek results

.775 % Cu	x 90	= .6975	= 7.32	7.32
.0357 % Mo	x 85	= .0303	= 10.30	1.03
.4368 oz Ag	x 70	= .306	.46	.46
				8.81

United States Department of the Interior
GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

October 25, 1977

In Reply Refer To:
Mail Stop 953

Memorandum

To: Field Officer, Region I
Office of Minerals Exploration

From: Chief, Office of Minerals Exploration

Subject: OME-6701 (Copper-Molybdenum-Tungsten)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Following our telephone conversation today, I located the entire file on the subject application, and am enclosing it for your inspection and use. Please return it to this office when you are through. I trust the information will not be released because it was furnished either by the applicant and its consultants or is Government information which is not for publication.

Harold Kirkemo, Chief
Office of Minerals Exploration

Enclosures

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

October 25, 1977

In Reply Refer To:
Mail Stop 953

Memorandum

To: Field Officer, Region I
Office of Minerals Exploration

From: Chief, Office of Minerals Exploration

Subject: OME-6701 (Copper-Molybdenum-Tungsten)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Following our telephone conversation today, I located the entire file on the subject application, and am enclosing it for your inspection and use. Please return it to this office when you are through. I trust the information will not be released because it was furnished either by the applicant and its consultants or is Government information which is not for publication.

Kirk

Harold Kirkemo, Chief
Office of Minerals Exploration

Enclosures

Rec'd 10/28/77
WM.

4/3/72

Kirk:

Please call Steve Sander, Congressman Mead's office - 180-2605) re denial letter on Century Explorations

called & discussed

cordial conversation

4/3/72
H. Kirkema

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/21/72	Kirkemo	120
3/21/72	Gray	
	Weeks	220
		120
		220

AIRMAIL

MAR 21 1972

Mr. Mathew D. Griffin
Secretary-Treasurer
Century Explorations, Inc.
c/o Griffin, Bortner and Platis, Inc., P.S.
3101 Oakes Avenue
Everett, Washington 98201

Re: OME-6701 (Copper-Molybdenum-Tungsten)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

Careful study of your application for financial assistance in exploring the Sunrise Prospect and of other information available to us indicates that the work proposed could not be expected to add enough additional information to that already known about the deposit to warrant Government participation. Within our limited budget we could not assist significantly in a more extensive program which would explore possible extensions of the mineralized zone beyond that which you have already outlined. Accordingly, we regret to inform you that your application is denied but without prejudice to the property.

We wish to thank you for your interest in the minerals exploration program, for your cooperation in supplying additional information, and success with your plans to develop the property.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

Copy to: Mr. Leonard N. Udell
President/Director
Century Explorations, Inc.
1073 Groveland
Vancouver, B. C., Canada

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
OME Region I
Mr. Weeks
Mr. Kirkemo
130

RAWeeks/HKirkemo/gla 3-21-72

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/17/72	Weeks	
3/17/72	Kirkham	

March 17, 1972

Memorandum

To: The Files

From: Robert A. Weeks

Subject: OME-6701 (Copper-Molybdenum-Tungsten)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Justification for Denial of Application

The subject application for exploration assistance in the amount of $79,400 (possibly to be modified to $66,810) would provide for 426 feet of drifting and 1,935 feet of drilling to continue an extensive exploration project underway by the applicants since about 1967. Work already accomplished by the applicants amounts to more than 5,177 feet of tunneling and 16,774 feet of drilling, at a cost of at least $1,059,613 plus at least 285,000 shares of stock in the parent corporation, BrenMac Mines, Ltd. (N.P.L.), a Canadian Corporation listed on the Vancouver, B. C. Stock Exchange.

The following facts and conclusions support a recommendation to deny the application.

Exploration completed to date on the property indicates a large quantity of mineralized material in an elliptically-shaped deposit approximately 650 feet long and 250 feet wide at the surface and 1000 feet long and and 400 feet wide at a depth of about 1500 feet. Additional vertical extent is established so that a 3300-foot height is known. The metal content of the material is variable, but as stated by the applicant is of a lower grade than most underground mines currently operating in this country. The average grade is estimated by the applicant to be 0.354 percent copper, 0.035 percent MoS_2, 0.050 percent WO_3, and 0.004 oz. gold, and 0.088 oz. silver per ton. Some 18 million tons of this grade material are reasonably well known and an additional 52 million tons are less well known but inferred on geologically reasonable evidence.

According to the applicant, the average value of metal in the 18 million ton reserve is $6.34 per ton, but this figure is based on 100 percent

recovery of all values except tungsten, which is calculated at 50 percent recovery. However, if the applicant's own recovery factors (90% - copper, 85% - MoS_2, 50% - Au, 70% - Ag, and 50% - WO_3), and the above mentioned average grades are used, the recoverable value is $5.93 per ton based on prices cited by the applicant. The value is $6.10 per ton if the current price of copper, 52.5¢ per pound, is used. If only the copper and molybdenum values are credited, the recoverable value is only $4.35 per ton.

The applicant's operating costs are optimistically estimated at $2.85 per ton, and capital costs at $0.77 per ton, both estimates tending to be under reported costs of established mining operations. The applicant's estimate of capital requirements, $2500 per ton of daily capacity, is also at the extreme low as compared with announced costs of starting up new operations of the magnitude being considered here (Most estimates that I have seen recently are in range of $3,000 to $3,500 per ton daily capacity). The near surface part of the property had been explored by the Bear Creek Mining Company (exploration subsidiary of Kennecott Copper Corp.) in 1959 and 1960, and after outlining 3 million tons of material that contained $8.81 per ton on 1972 prices of recoverable metal values in copper, molybdenum and silver, the property was abandoned as uneconomic. Another exploration effort in 1962 and 1963 by a Canadian company also resulted in a negative decision. The presence of a large amount of mineralized material is reasonably established, but the economic viability is not.

The exploration program outlined by the applicant is too small to expect a significant addition to the available knowledge about the nature and extent of the deposit. The proposed drifting, 426 feet, would represent an 8 percent increase over total tunneling to date, and the proposed drilling, 1935 feet, represents an 11.5 percent increase in total drilling. The expenditure of $66,810 would represent a 5.7 percent increase in total exploration costs. In view of the small increment of information likely to be obtained, it is difficult to see how the added data could influence a decision on whether the total project is economically viable.

In addition to being a rather small program in comparison to the magnitude of the deposit, the proposed exploration program borders on development type work rather than exploration work. The existence of mineralized material has been established and its extent has been moderately outlined. Its exact character is not firmly enough established that I could agree with the consultant's report in classing the 18 million tons as "measured" reserves, yet the exploration program as outlined is designed to explore one of the ore reserve blocks that is already considered to be in the "measured" reserve category.

There is no argument about the need for the proposed work if a decision to produce has already been made, yet the drifting and drilling are spaced closely enough that the work is designed to develop detailed knowledge of the deposit and to give access to it.

For the reasons stated above, that is, the marginal nature of the mineralized material, the small increment of new knowledge that would be obtained in comparison to rather extensive data already at hand, and the quasi-developmental character of the work outlined, I recommend denial of the application, principally on the basis that the data to be obtained could not significantly influence a decision to bring the property into production.

An additional factor that influenced this recommendation was general knowledge of the problems of attempting to place a new mine into operation in this region, as exemplified by Kennecott's unsuccessful efforts to develop the nearby Glacier Peak deposit.

The applicant was informed of the limited funds available within OME's overall budget, so that the size of the proposed exploration work was kept to a minimum. Because of our limited funds, we must compare the potential merit of this proposal with the merits of other proposals under consideration. When all factors are considered, Federal funds could be more usefully spent on several other proposals.

I concur in the Field Officer's recommendation to deny the application.

Robert A. Weeks

Robert A. Weeks

cc: Director's reading file
Mineral Resources
OME reading file
Mr. R. Weeks
H Kirkemo
Region 1

RWeeks/cac 3/17/72

GRIFFIN, BORTNER & PLATIS, INC., P.S.
Attorneys at Law
3101 Oakes Avenue
(Pacific & Oakes)
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
HARRY B. PLATIS

PHONE
ALPINE 9-0107

February 29, 1972

MR. HAROLD KIRKEMO
Chief, Office of Minerals Exploration
UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
Washington, D. C. 20242

OFFICIAL COPY
O. M. E.
RECEIVED
MAR 2 1972
INITIALS | CODE
Cac, 120 NW
~~120~~
HK 720
Weeks

Re: OME-6701 (Copper-Molybdenum-Tungsten)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Kirkemo:

Century Explorations is interested in proceeding with their application.

We enclose the last material statement filed by BrenMac Mines in Canada, which contains the most current information on BrenMac Mines.

Century Explorations, Inc. is a wholly-owned subsiduary corporation of BrenMac Mines Ltd. Its financial statement is the same as the one furnished with the application.

At the time request of funds was made with banking institutions, the banks were furnished the financial information on BrenMac Mines and were declined credit because of the speculative nature of mining. Please note the financial statement of BrenMac Mines.

With respect to your question of Century Exploration and Resource Ltd., this apparently is a typographical error, since Century Exploration and Resource Ltd. is Century Explorations, Inc.

If you desire, we will submit an affidavit to this effect.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:kg
cc: Mr. Len Udell
cc: Mr. Wally Hoffman

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code

AIRMAIL

FEB 14 1972

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Building
Everett, Washington 98201

Re: OME-6701 (Copper-Molybdenum-Tungsten)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

We have reviewed the material submitted recently pertaining to your application for financial assistance to explore the Sunrise Prospect, and offer the following comments:

In the event your plans for the forthcoming operating season are contingent on possible financial assistance from OME, we should mention the situation regarding OME funding. We are operating on limited funds this fiscal year and the same constraints are expected to continue in fiscal year 1973. As mentioned to you in our letter of June 30, 1971, only modest assistance can be offered to a very few of the most promising proposals. Under these circumstances, we cannot offer you assistance in the amount requested as contracts already executed and applications approved for loans will require most of our currently available funds.

If you wish to keep your application in an active status despite this financial situation, further information is necessary to determine financial eligibility and the applicant's rights in the land.

Current financial statements of Century Explorations, Inc., Bren Mac Mines, Ltd., and of any other company or individual having an interest in Century Explorations, Inc., should be furnished. Perhaps assets of the parent company or companies are sufficient to underwrite a loan from commercial sources for the subsidiary or applicant company.

In the documents you have submitted, we can trace the transfer of rights to the four claims referred to as the Sunrise mining claims from the owners, Curtiss, Kelley, and Weinert, to Hawkins and Armstrong, and finally to Century Exploration and Resources, Ltd.. However, we have no documents to show that the applicant company, Century Explorations, Inc., has any rights to these claims. We would appreciate receiving copies of such documents.

Submittal of the information requested should not be construed as a commitment by the Government that a contract will be offered. We have not yet reviewed the geologic, exploration and cost factors of the proposal because it is essential first to establish the applicants' financial eligibility for OME assistance and its rights to the land.

Sincerely yours,

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: DRF
Mineral Resources
OME reading file
Region I
Mr. Kirkemo

HKirkemo/cac 2/14/72

Re: OME 6701 (Cu, Mo, W)
Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

Mining Spotlight

Mine Plan Gets Sierra Club Nod

By WAFFORD CONRAD
Chronicle Mining Editor

The Sierra Club and state officials have O.K.'d a large underground mining operation proposed for the Sultan Basin in the western foothills of Washington's Cascade mountain range.

This is in striking contrast to the strong protests made by the conservation group and state officials, including Gov. Daniel J. Evans, several years ago to Kennecott Copper Corp.'s proposed open-pit copper mining operation in the Glacier Peak Wilderness area of the Cascades.

The Sierra Club also was one of the leading opponents to plans of American Smelting and Refining Co. for a large open-pit molybdenum mining operation in Idaho's scenic White Clouds mountain range.

The State Department of Natural Resources went to the previously unheard of length of issuing a news release telling of a visit to the proposed Sultan Basin project by State Land commissioner Bert Cole and Brock Evans, Northwest regional director of the Sierra Club. Cole and Evans were taken to the site by Len Udell, president of Bren Mac Mines, Ltd., North Vancouver, B.C., firm which is making final feasibility studies for the mulitimillion-dollar project on 14,000 acres leased from the state.

Bren Mac geologists have estimated that the property contains about 71 million tons of low grade copper-molybdenum-tungsten ore. Preliminary plans call for a two-mile tunnel to reach the ore body and a closed circuit ore concentration plant which would pose no danger of stream pollution.

Seattle and Vancouver newspapers quoted Cole as saying he saw no insurmountable environmental or governmental objections to the project, that the proposed construction program would employ up to 1,000 persons for more than two years, that the mine would have a "dramatic effect" on the housing industry between Sultan and Everett, and that the mine could produce 800 full-time jobs plus a yearly payroll of $9.6 million.

The Department of Natural Resources news release quoted Gov. Evans as saying: "I am confident that we can have a mining operation of this type that will hire hundreds of people, yet won't be a detriment from an environmental point of view."

The Sierra Club's Brock Evans was reported as saying:

"Based on the stringent environmental control measures outlined by the Bren Mac company, I think this is a well-conceived project which will be of major benefit to the state. I am delighted to see a program like this come along because the Sierra Club always has been interested in the welfare of this state — both from an economic and environmental standpoint.

"I hope that other economic development projects are as careful to protect the environment, since it demonstrates that economic and enviromental interests can work together for the common good."

GRIFFIN, BORTNER & PLATIS, INC., P.S.
Attorneys at Law
3101 Oakes Avenue
(Pacific & Oakes)
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
HARRY B. PLATIS

PHONE
ALPINE 9-0107

January 31, 1972

OFFICIAL COPY
O. M. E.
RECEIVED
3 7 1972
INITIALS | CODE
HK | 120

MR. WILLARD P. PUFFETT
Field Officer, Region I
UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
OFFICE OF MINERALS EXPLORATIONS
656 U. S. Court House
Spokane, Washington 99201

Re: New Application (Cu, Mo, W)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

6701
Withdrawn
?

RECEIVED
FEB 2 1972
O. M. E.
SPOKANE, WASH.

Dear Mr. Puffett:

I attempted to reach you by telephone this date and learned that you had been ill. My best wishes for a speedy recovery.

We are wondering if you will be forwarding new information with reference to the bonds required in the above matter, and also desire to know whether or not this application will be approved.

Kindly advise me immediately.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:kg

6701

United States Department of the Interior

GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION
656 U. S. Court House
Spokane, Wash. 99201

December 30, 1971

MEMORANDUM

To : Chief, Office of Minerals Exploration

From : Field Officer, Region I

Subject: New Application (Cu, Mo, W)
See Docket No. 6701
Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

JAN 3
Case 120 NW
HK 120

Enclosed are the following:

Xerox copy of Standard Form 25, partially completed.

Xerox copy of Standard Form 28, partially completed.

Environmental impact study by K. Douglass, P. Engineer of the firm of Ripley, Klohn, and Leonoff International Ltd.

Small topographic map of Sunrise Deposit showing outline of property with relation to breccia outcrop and underground workings.

Xerox copy of transmittal letter from Mathew D. Griffin.

Copy of my letter of 12/30/71 to Mathew D. Griffin.

The above documents are additional data supplied in part by the applicant, in response to my earlier inquiries.

Note that in my letter to Mr. Griffin, I have indicated that he has not satisfactorily completed either Standard Form 25 or 28.

I had hoped that the applicant would have submitted bids from other contractors, in addition to the one he submitted on December 14, 1971. Apparently he has no intention of doing so.

I doubt very much that the report on the environmental impact prepared by Mr. Douglass would be completely satisfactory to the Sierra Club, but it does mention several items of concern to ecologists, and discusses methods of protecting the environment.

Willard P. Puffett

Enclosures

OFFICE OF MINERALS EXPLORATION
656 U. S. Court House
Spokane, Wash. 99201

December 30, 1971

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Building
Everett, Washington 98201

Re: Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

I am returning to you the completed Standard Forms 25 and 28 which you recently mailed to me. I had sent you the two forms for your information and at the time did not request that you complete them. However, now that you did complete them, there are some items that should be brought to your attention.

Standard Form 25 is for the Performance Bond and is to be completed by a corporate surety that appears on the Treasury's list of approved sureties. I note that you have inserted the name of your mining company as the corporate surety. I am sure that this is improper, as a company cannot be surety for its own performance bond.

Standard Form 28, Affidavit of Individual Surety, is to be completed by an individual in instances where it is impossible to obtain a corporate surety. At least two different individuals are required as sureties and each must complete the form. You did complete the front of the form satisfactorily and did attach the proper description of your real estate. You did not, however, have the back of the form completed by one who will certify as stated.

Please retain the two forms that I have returned to you and in due time we will probably send you the correct number of forms to be completed. If you cannot secure a corporate surety, it will be necessary that you have the two individual sureties, and we require three copies of each form.

Sincerely,

Willard P. Puffett
Field Officer, Region I

Enclosures

cc: Director
OME

WPPuffett/se

Ripley, Klohn & Leonoff International Ltd.
CONSULTING GEOTECHNICAL ENGINEERS
1847 WEST BROADWAY • VANCOUVER 9, B.C. • PHONE: (604) 731-5781
CABLE: "RIPSOIL VCR" • TELEX: 04-507647

Earle J. Klohn
Cyril E. Leonoff
Principals

Mark T. Olsen
Manager

Charles F. Ripley
Senior Consultant

Y. G. Bajard
Keith Douglass
C. H. Maartman
K. Ian Morrison
Executive Engineers

Our File VA 1640

December 15, 1971.

RECEIVED
DEC 30 1971
SPOKANE WASH.

Mr. L. Udell, President,
Brenmac Mines Ltd.,
1480 Pemberton,
North Vancouver, B.C.

Dear Mr. Udell:

You have asked me to describe the impact of the development of your Sultan property on the local environment. Any comments I can make at this time are preliminary and may be modified in the light of more complete information.

The handling of water in and around the development must receive particular attention, because of downstream uses of water in the same watershed. We feel that this problem can be overcome by closed-circuit water use within the operation, and by intercepting and ponding streams that drain the disturbed areas of land.

The tailings disposal area may be 500 acres in extent by the time the development has been completed. The tailings dams must be designed first of all for stability, to insure that no major escape of waste can take place. Beyond that, the dams and disposal area can be designed for revegetation and further use upon completion.

The roads to be built to the new development will improve public access to the area, because the new roads will be superior to those existing.

A number of pipelines must be constructed from the mill to the tailings disposal facilities. In general, such pipelines would be built above ground and would be removed upon completion of the project. The construction of these pipelines could be carried out with proper consideration for other present and future uses of the area.

The mill area would contain a number of attractive industrial buildings located on a site removed from public view. Such operations are most interesting in themselves, and have proved to be strong drawing points for visitors and tourists. Supplies and product haulage to the mill would be by conventional covered trucks.

Power for the mill and mine operation would be obtained from the nearest source of hydro.

All aspects of environmental concern listed above are now under consideration, and more information will be available as our studies continue.

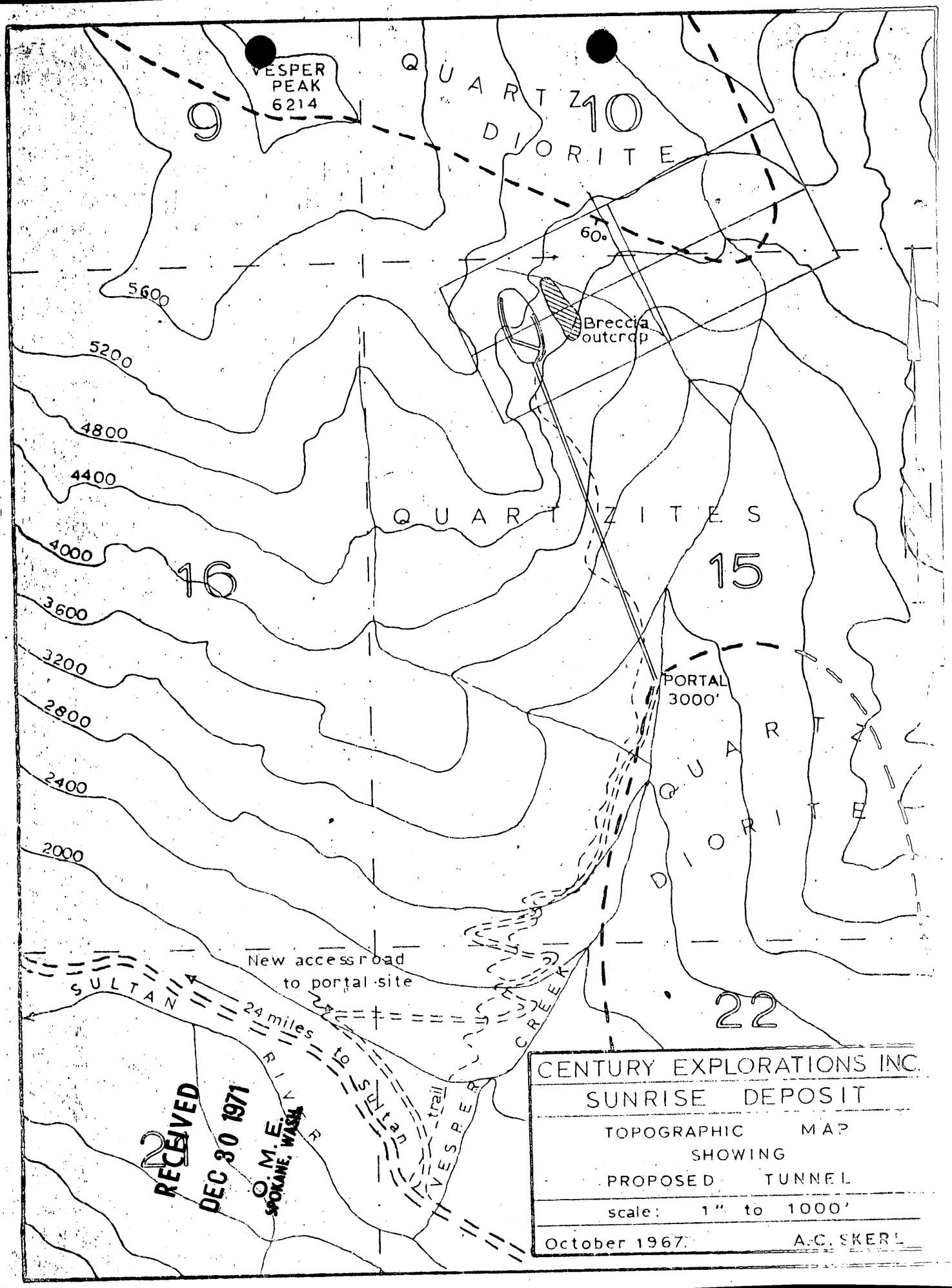
Yours very truly,

RIPLEY, KLOHN & LEONOFF INTERNATIONAL LTD.

K. Douglass

K. DOUGLASS, P. Eng.

KD/ss



RECEIVED
DEC 30 1971
O.M.E.
SPOKANE, WASH.

GRIFFIN & BORTNER
Attorneys at Law
318 Medical Dental Bldg.
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
HARRY B. PLATIS

PHONE
ALPINE 9-0107

RECEIVED
DEC 30 1971
O.M.E.
SPOKANE, WASH.

December 22, 1971

MR. WILLARD P. PUFFETT
Field Officer, Region I
UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
OFFICE OF MINERALS EXPLORATION
656 U. S. Court House
Spokane, Wa. 99201

Re: New Application (Cu, MO, W)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Puffett:

Pursuant to your recent letter of December 16, 1971, we enclose herein completed and executed Affidavit of Individual Surety for the above application.

Also enclosed herein please find two copies of letter from Ripley, Klohn & Leonoff International Ltd. summarizing the environmental aspects and two copies of topographic map showing proposed tunnel.

Please do not hesitate to contact me should you desire any additional information.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:kg
Encls.

cc: Mr. Len Udell

STANDARD FORM 25
JUNE 1967 EDITION
GENERAL SERVICES ADMINISTRATION
FED. PROC. REG. (41 CFR) 1-16.801

PERFORMANCE BOND

(See Instructions on reverse)

DATE BOND EXECUTED *(Must be same or later than date of contract)*

PRINCIPAL *(Legal name and business address)*

CENTURY EXPLORATIONS, INC.
318 Medical-Dental Building
Everett, Wa. 98201

TYPE OF ORGANIZATION *("X" one)*

☐ INDIVIDUAL ☐ PARTNERSHIP
☐ JOINT VENTURE ☒ CORPORATION

STATE OF INCORPORATION: Washington

SURETY(IES) *(Name(s) and business address(es))*

MATHEW D. GRIFFIN
3611 Tulalip,
Everett, Wa. 98201

RECEIVED DEC 30 1971 SPOKANE, WASH.

PENAL SUM OF BOND

MILLION(S)	THOUSAND(S)	HUNDRED(S)	CENT(S)
	39850		

CONTRACT DATE	CONTRACT NO.

KNOW ALL MEN BY THESE PRESENTS, That we, the Principal and Surety(ies) hereto, are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum for the payment of which we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally: *Provided,* That, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety, but if no limit of liability is indicated, the limit of liability shall be the full amount of the penal sum.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal entered into the contract identified above;

NOW, THEREFORE, if the Principal shall:

(a) Perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term of said contract and any extensions thereof that may be granted by the Government, with or without notice to the Surety(ies), and during the life of any guaranty required under the contract, and shall also perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the Surety(ies) being hereby waived; and

(b) If the said contract is subject to the Miller Act, as amended (40 U.S.C. 270a-270e), pay to the Government the full amount of the taxes imposed by the Government which are collected, deducted, or withheld from wages paid by the Principal in carrying out the construction contract with respect to which this bond is furnished; then the above obligation shall be void and of no effect.

IN WITNESS WHEREOF, the Principal and Surety(ies) have executed this performance bond and have affixed their seals on the date set forth above.

PRINCIPAL

Signature(s)	1. CENTURY EXPLORATIONS, INC., By L. N. Udell (Seal)	2. Mathew D. Griffin (Seal)	Corporate Seal
Name(s) & Title(s) (Typed)	1. President L. N. Udell	2. Secretary Mathew D. Griffin	

INDIVIDUAL SURETY(IES)

Signature(s)	1. (Seal)	2. (Seal)
Name(s) (Typed)	1.	2.

CORPORATE SURETY(IES)

SURETY A	Name & Address	Century Explorations, Inc. 318 Medical-Dental Bldg., Everett, Wa.	STATE OF INC. Wa.	LIABILITY LIMIT	Corporate Seal
	Signature(s)	1. L. N. Udell	2. Mathew D. Griffin		
	Name(s) & Title(s) (Typed)	1. President L. N. Udell	2. Secretary Mathew D. Griffin		

25-105

CERTIFICATE OF SUFFICIENCY

I Hereby Certify, That the surety named herein is personally known to me; that, in my judgment, said surety is responsible, and qualified to act as such; and that, to the best of my knowledge, the facts stated by said surety in the foregoing affidavit are true.

NAME *(Typewritten)*	SIGNATURE

OFFICIAL TITLE

ADDRESS *(Number, Street, City, State, ZIP Code)*

INSTRUCTIONS

1. This form shall be used whenever sureties on bonds to be executed in connection with Government contracts are individual sureties, as provided in governing regulations (see 41 CFR 1–10.203, 1–16.801, 101–45.3). There shall be no deviation from this form except as so authorized (see 41 CFR 1–1.009, 101–1.110).

2. A corporation, partnership, or other business association or firm, as such, will not be accepted as a surety, nor will a partner be accepted as a surety for co-partners or for a firm of which he is a member. Stockholders of a corporate principal may be acccepted as sureties provided their qualifications as such are independent of their stockholdings therein. In arriving at the net worth figure in Item 7 on the face of this affidavit an individual surety will not include any financial interest he may have in the assets of the principal on the bond which this affidavit supports.

3. An individual surety shall be a citizen of the United States, except that if the contract and bond are executed in any foreign country, the Commonwealth of Puerto Rico, the Virgin Islands, the Canal Zone, Guam, or any other territory or possession of the United States, such surety need only be a permanent resident of the place of execution of the contract and bond.

4. The individual surety shall show net worth in a sum not less than the penalty of the bond by supplying the information required on the face hereof, under oath before a United States commissioner, a clerk of a United States Court, or notary public, or some other officer having authority to administer oaths generally. If the officer has an official seal, it shall be affixed, otherwise the proper certificate as to his official character shall be furnished.

5. The certificate of sufficiency shall be signed by an officer of a bank or trust company, a judge or clerk of a court of record, a United States district attorney or commissioner, a postmaster, a collector or deputy collector of internal revenue, or any other officer of the United States acceptable to the department or establishment concerned. Further certificates showing additional assets, or a new surety, may be required to assure protection of the Government's interest. Such certificates must be based on the personal investigation of the certifying officer at the time of the making thereof, and not upon prior certifications.

(Back of SF 28 June 66)

GPO : 1966 OF—255-145 (10-G)

STANDARD FORM 28
JUNE 1966 EDITION
GENERAL SERVICES ADMINISTRATION
FED. PROC. REG. (41 CFR) 1-16.801

AFFIDAVIT OF INDIVIDUAL SURETY

(See Instructions on Reverse)

RECEIVED
DEC 30 1971
O. M. E.
SPOKANE, WASH

STATE OF WASHINGTON
COUNTY OF SNOHOMISH } SS:

I, the undersigned, being duly sworn, depose and say that I am one of the sureties to the attached bond; that I am a citizen of the United States (or a permanent resident of the place where the contract and bond are executed as provided in paragraph 3 of the Instructions on reverse), and of full age and legally competent; that I am not a partner in any business of the principal on the bond or bonds on which I appear as surety; that the information herein below furnished is true and complete to the best of my knowledge. This affidavit is made to induce the United States of America to accept me as surety on the attached bond.

1. NAME *(First, middle, last) (Type or print)*
MATHEW D. GRIFFIN

2. HOME ADDRESS *(Number, Street, City, State, ZIP Code)*
3611 Tulalip, Everett, Wa. 98201

3. TYPE AND DURATION OF OCCUPATION
Self-employed attorney
Approximately 20 years

4. NAME OF EMPLOYER *(If self-employed, so state)*
GRIFFIN & BORTNER, self-employed

5. BUSINESS ADDRESS *(Number, Street, City, State, ZIP Code)*
318 Medical-Dental Building
Everett, Wa. 98201

6. TELEPHONE NO:
HOME— 259-6367
BUSINESS— 259-0107

7. THE FOLLOWING IS A TRUE REPRESENTATION OF MY PRESENT ASSETS, LIABILITIES, AND NET WORTH AND DOES NOT INCLUDE ANY FINANCIAL INTEREST I HAVE IN THE ASSETS OF THE PRINCIPAL ON THE ATTACHED BOND:

a. Fair value of solely owned real estate*	$ 109,900.00
b. All mortgages or other encumbrances on the real estate included in Line a	43,600.00
c. Real estate equity (subtract Line b from Line a)	66,300.00
d. Fair value of all solely owned property other than real estate*	175,466.60
e. Total of the amounts on Lines c and d	241,766.60
f. All other liabilities owing or incurred not included in Line b	69,988.63
g. Net worth (subtract Line f from Line e)	$ 171,777.97

**Do not include property exempt from execution and sale for any reason. Surety's interest in community property may be included if not so exempt.*

8. LOCATION AND DESCRIPTION OF REAL ESTATE OF WHICH I AM SOLE OWNER, THE VALUE OF WHICH IS INCLUDED IN LINE (a), ITEM 7 ABOVE

See attached schedule

Amount of assessed valuation of above real estate for taxation purposes: _____

9. DESCRIPTION OF PROPERTY INCLUDED IN LINE (d), ITEM 7 ABOVE *(List the value of each category of property separately)*

10. ALL OTHER BONDS ON WHICH I AM SURETY *(State character and amount of each bond; if none, so state)*

11. SIGNATURE
Mathew D. Griffin

12. BOND AND CONTRACT TO WHICH THIS AFFIDAVIT RELATES *(Where appropriate)*

SUBSCRIBED AND SWORN TO BEFORE ME AS FOLLOWS:

DATE OATH ADMINISTERED (MONTH / DAY / YEAR)	CITY	STATE *(Or other jurisdiction)*	
December 22 1971	Everett	Washington	*Official Seal*

NAME AND TITLE OF OFFICIAL ADMINISTERING OATH *(Type or print)*	SIGNATURE	MY COMMISSION EXPIRES
Karen L. Graham	Karen L. Graham	3-19-73

28-103

CORPORATE SURETY(IES) (Continued)					
SURETY B	Name & Address		STATE OF INC.	LIABILITY LIMIT	*Corporate Seal*
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY C	Name & Address		STATE OF INC.	LIABILITY LIMIT	*Corporate Seal*
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY D	Name & Address		STATE OF INC.	LIABILITY LIMIT	*Corporate Seal*
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY E	Name & Address		STATE OF INC.	LIABILITY LIMIT	*Corporate Seal*
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY F	Name & Address		STATE OF INC.	LIABILITY LIMIT	*Corporate Seal*
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		
SURETY G	Name & Address		STATE OF INC.	LIABILITY LIMIT	*Corporate Seal*
	Signature(s)	1.	2.		
	Name(s) & Title(s) *(Typed)*	1.	2.		

BOND PREMIUM ▶	RATE PER THOUSAND $	TOTAL $

INSTRUCTIONS

1. This form is authorized for use in connection with contracts for construction work or the furnishing of supplies or services. There shall be no deviation from this form without approval by the Administrator of General Services.

2. The full legal name and business address of the Principal shall be inserted in the space designated "Principal" on the face of this form. The bond shall be signed by an authorized person. Where such person is signing in a representative capacity (e.g., an attorney-in-fact), but is not a member of the firm, partnership, or joint venture, or an officer of the corporation involved, evidence of his authority must be furnished.

3. (a) Corporations executing the bond as sureties must be among those appearing on the Treasury Department's list of approved sureties and must be acting within the limitations set forth therein. Where more than a single corporate surety is involved, their names and addresses (city and State) shall be inserted in the spaces (Surety A, Surety B, etc.) headed "CORPORATE SURETY(IES)", and in the space designated "SURETY(IES)" on the face of this form only the letter identification of the Sureties shall be inserted.

(b) Where individual sureties execute the bond, they shall be two or more responsible persons. A completed Affidavit of Individual Surety (Standard Form 28), for each individual surety, shall accompany the bond. Such sureties may be required to furnish additional substantiating information concerning their assets and financial capability as the Government may require.

4. Corporations executing the bond shall affix their corporate seals. Individuals shall execute the bond opposite the word "Seal"; and, if executed in Maine or New Hampshire, shall also affix an adhesive seal.

5. The name of each person signing this performance bond should be typed in the space provided.

☆ U.S. GOVERNMENT PRINTING OFFICE : 1967 O—255-154 (80G)

(NE 1/4) of Section Two (2), Township Twenty-nine (29) North, Range Three (3) East of the Willamette Meridian, described as follows:

Beginning at the East quarter corner of said Section 2; thence North 86°36' West 1054.8 feet to the true point of beginning; thence North 0°29' West 1605 feet, more or less, to the North bank of a ditch; thence North 86°36' West 289 feet along said ditch; thence South 0°29' East 1630 feet, more or less, to the South line of the North half (N 1/2) of said section; thence South 86°36' East 284.8 feet to the true point of beginning.

EXCEPT roads and ditch rights of way.

Island County

, State of

That portion of the NE 1/4 of the NE 1/4 of Section 20, Township 31 N, Range 6 E.W.M., lying south of the county road; situate in the County of Snohomish, State of Washington. SUBJECT to perpetual easement recorded November 29, 1963 under Auditor's File No. 1658830.

All that portion of the SE 1/4 of the NE 1/4 of Section 20, Township 31 N., Range 6 E.W.M. lying east of the Jordan County Road; EXCEPT that portion of the North 800 feet of the SE 1/4 of the NE 1/4 lying east of the Jordan County Road and lying west of a line running parallel with and 75 feet west measured at right angles from the following described line: Commencing at the Southeast corner of the NE 1/4 of said Section 20; thence South 88°00' 40" West 109.4 feet to the point of beginning of said line; thence North 32°43'20" West to the North line of the SE 1/4 of the NE 1/4 of said Section 20; situate in the County of Snohomish, State of Washington.

Lessee

The South 1/2 of Southeast 1/4 of the Northeast 1/4 of Section 2, Township 28 North, Range 5 East W.M.
Except the Northeast 1/4 thereof;
Except the West 198 feet thereof;
Except the County Road right of way along the South and East lines thereof, and
Except portion deeded to Snohomish County, Washington by deed recorded under auditor's No. 774196, records of Snohomish County, for said road purposes.

Easement for right of way for Skagit River Electric Transmission line over and across portion of said premises as appropriated by the City of Seattle, under Snohomish County Superior Court Cause No. 21207.

Less— Beg. at the SW corner of the S 1/2 of the SE 1/4 of the NE 1/4 of Sec. 2, Twp. 28 N. , Range 5 E.W.M.; thence Ely along the S line thereof to the true point of beginning; thence Nly 272 ft. parallel to the W line thereof; thence Ely 106 feet parallel to the South line thereof; thence Southerly 272 feet parallel to the W line thereof; thence Westerly 160 feet along the S line thereof to the point of beginning; situate in the County of Snohomish, State of Washington.

Marks

The South half of the Southeast quarter of the Southwest quarter of Section 36, Township 29 North, Range 4 East, W.M.,

LESS the South 60 feet of the North 205 feet, and

LESS portion platted as Plat of Dalquest Addition, according to the plat thereof recorded in Volume 14 of Plats, page 10, records of the Auditor of the County of Snohomish, State of Washington,

ALSO EXCEPT that portion described as follows:

Beginning at the Southwest corner of said Southeast quarter of the Southwest quarter of Section 36; thence along the South line of Section 36, North 88°49'19" East, a distance of 260 feet to the true point of beginning, and also being the Southeast corner of the Dalquest Addition, as recorded in Volume 14 of Plats, page 10, records of the Auditor of the County of Snohomish, State of Washington; thence continuing along the South line of Section 36, North 88°49'19" East, a distance of 675 feet to a corner; thence North 36°27'45" West, a distance of 160.16 feet to a corner; thence along an arc having a radius of 50 feet, consuming an angle of 120°08'16", a distance of 104.84 feet to a corner; thence North 18°20'10" West, a distance of 283.61 feet to a corner; thence North 1°26'19" West, a distance of 175 feet to a corner; thence South 88°51'22" West, a distance of 540 feet to a corner; being the Northeast corner of the aforesaid Dalquest Addition; thence along the East side of the Dalquest Addition as follows:

South 1°26'19" East, 505.90 feet; thence North 88°49'19" East, 75 feet and South 1°26'19" East, 150 feet to the true point of beginning.

Situate in the County of Snohomish, State of Washington.

6701

OFFICE OF MINERALS EXPLORATION
656 U. S. Court House
Spokane, Wash., 99201

December 16, 1971

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 4 1972

INITIALS	CODE
HK	420
	R20

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Building
Everett, Washington 98201

Re: Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

Enclosed are one copy each of Standard Form 25 and Standard Form 28, in accordance with the request in your letter of Dec. 1, 1971. These forms are to be used when posting a performance bond or affidavit of Individual Surety in lieu of completed copies of the Lien and Subordination agreements. Instructions for use are listed on the back of each form. The exact bond amount cannot be determined until a contract has been prepared.

Sincerely,

Willard P. Puffett
Field Officer, Region I

cc: DRF
OME

WPPuffett/at

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Office of Minerals Exploration

DATE: December 14, 1971

FROM : Field Officer, Region I

SUBJECT: Additional data for new application (Cu, Mo, W)
Century Exploration Inc.
Sunrise Prospect
Snohomish County, Washington

WBP

OFFICIAL COPY
O. M. E.
RECEIVED
DEC 17 1971

INITIALS	CODE
HR	120

Attached are some more data, including two letters to banks and a bid from a contractor for underground work. Still to be expected from the applicant are a discussion of the environmental impact study and a map showing relative position of proposed exploration to property boundaries. The data submitted so far indicates the existence of a large low-grade copper, molybdenum deposit with some values in tungsten. Several thousand dollars have been spent and many more will need to be spent.

GRIFFIN & BORTNER
Attorneys at Law
318 Medical Dental Bldg.
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
HARRY B. PLATIS

PHONE
ALPINE 9-0107

RECEIVED
DEC 13 1971
O. M. E.
SPOKANE, WASH.

December 10, 1971

MR. WILLARD P. PUFFETT
Field Officer, Region I
UNITED STATES DEPARTMENT OF THE INTERIOR
Geological Survey
OFFICE OF MINERALS EXPLORATION
656 U. S. Court House
Spokane, Wa. 99201

Re: New Application (Cu, Mo, W)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Puffett:

With reference to your letter of December 9, 1971 with regard to the above application, which I received this date, I am enclosing herein copies of my letters to the Seattle-First National Bank and Pacific National Bank of Washington.

Also enclosed herewith please find two copies of letter from M. Boyles Mining Contractors.

Contractors in our local area are not available and it is necessary that these be obtained out of the Vancouver area.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:kg
Encls. (as cited)
cc: Mr. Len Udell

GRIFFIN & BORTNER
Attorneys at Law
318 Medical Dental Bldg.
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
HARRY B. PLATIS

PHONE
ALPINE 9-0107

RECEIVED
DEC 13 1971
U.M.L.
SPOKANE, WASH.

December 8, 1971

Pacific National Bank of Washington
Main Branch
50th and Claremont Way
Everett, Washington 98201

Dear Sirs:

Century Explorations, Inc., a State of Washington company is a wholly owned subsidiary of BrenMac Mines Ltd. (N.P.L.), a British Columbia public company posted for trading on the Vancouver Stock Exchange. Century Explorations, Inc. has for some time now been exploring a mineral prospect in Snohomish County in the State of Washington and now proposes in accordance with a report of its consulting engineers, Cannon-Hicks Associates Ltd. to conduct a further program on this property consisting of the following matters:

Diamond Drill Program

Mobilization	$ 3,000.00	
Drilling at $10 50/ft	31,500.00	
Assaying	4,500.00	
		$ 39,000.00
Metallurgical investigations		5,000.00
On-site supervision and expediting		15,000.00
Vancouver office expenses		2,000.00
Fees		750.00
		$ 67,250.00
Contingencies at 20%		13,450.00
Study of Mining Methods and Development of Preliminary Mining Costs		15,000.00
Contingencies at 20%		3,000.00
Total		$ 79,700.00

Accordingly, application is hereby made for a loan from you bank in the amount of $39,850.00, being one-half of the outlined program.

We would be glad to supply what further information you may require in this matter.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:kg

GRIFFIN & BORTNER
Attorneys at Law
318 Medical Dental Bldg.
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
HARRY B. PLATIS

PHONE
ALPINE 9-0107

RECEIVED
DEC 13 1971
O. SPOKANE, WASH.

December 8, 1971

Seattle-First National Bank
Main Branch
Colby and Hewitt Avenues
Everett, Washington 98201

Dear Sirs:

Century Explorations, Inc., a State of Washington company is a wholly owned subsidiary of BrenMac Mines Ltd. (N.P.L.), a British Columbia public company posted for trading on the Vancouver Stock Exchange. Century Explorations, Inc. has for some time now been exploring a mineral prospect in Snohomish County in the State of Washington and now proposes in accordance with a report of its consulting engineers, Cannon-Hicks Associates Ltd. to conduct a further program on this property consisting of the following matters:

Diamond Drill Program

Mobilization	$ 3,000.00	
Drilling at $10 50/ft	31,500.00	
Assaying	4,500.00	
		$ 39,000.00
Metallurgical investigations		5,000.00
On-site supervision and expediting		15,000.00
Vancouver office expenses		2,000.00
Fees		750.00
		$ 67,250.00
Contingencies at 20%		13,450.00
Study of Mining Methods and Development of Preliminary Mining Costs		15,000.00
Contingencies at 20%		3,000.00
Total		$ 79,700.00

Accordingly, application is hereby made for a loan from your bank in the amount of $39,850.00, being one-half of the outlined program.

We would be glad to supply what further information you may require in this matter.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:kg

TELEPHONE 874-8088

M. Boyles Mining Contractors

RECEIVED
DEC 13 1971
SPOKANE, WASH

Specializing in all Underground Development Work
Shallow Drilling - Trenching
Line Cutting - Staking

305 WEST 11TH AVENUE
VANCOUVER 10, B. C.

October 22, 1971.

BrenMac Mines Ltd.
1480 Pemberton Avenue,
North Vancouver, British Columbia.

Dear Sirs:-

Thank you for your invitation to submit a bid on approximately 400' of a 7' x 7' tunnel.

For the above we are pleased to quote prices as follows:-

Advancement of tunnel	$ 65.00 per ft.
Non-contract time	6.00 p/hr/ per man

We will supply the following:

1. All machinery to advance tunnel
2. All labour and accomodation for men
3. All explosives
4. All coverage for employees.

You will supply at no cost to M. Boyles Mining Contractors -

1. All rail and pipe
2. Moving in and moving out costs for equipment.

Diamond drilling costs will be	9.00 per ft.
Additional drilling for approximately 40,000'	7.50 per ft.

Yours truly,

M. BOYLES MINING CONTRACTORS

Per: Michael Boyle

OFFICE OF MINERALS EXPLORATION
656 U. S. Court House
Spokane, Wash., 99201

December 9, 1971

ORIGINAL COPY
O. M. E.
RECEIVED
DEC 15 1971

INITIALS	CODE
Cal	120
	~~130~~
HK	~~120~~

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Building
Everett, Washington 98201

Re: New Application (Cu, Mo, W)
Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

Missing from the information that arrived here from you today were copies of your letters to Seattle-First National Bank and Pacific National Bank of Washington, requesting a loan of $39,850.00 plus copies of a map showing the relationship of the proposed exploration to the property boundaries of the Sunrise Prospect.

I asked some comment from you, in my letter of Dec. 7, 1971, regarding the environmental impact study.

The bid for the work that you submitted from CM Inc. lists the price per foot for drift or crosscut as $85.00. The proposed budget submitted to Mr. Udell by Mr. Glass in a letter dated Nov. 12, 1971, lists the drifting costs as $70.00 per foot. As the bid submitted by CM Inc. is dated Nov. 30, 1971, I wonder if there has been a recent increase in the bid price. It will be to your advantage to submit some bids from domestic contractors, so that we can make meaningful comparisons in evaluating your proposal.

Sincerely,

Willard P. Puffett
Field Officer, Region I

cc: OME/with cy of inc data
Director

WPPuffett/at

GRIFFIN & BORTNER
Attorneys at Law
318 Medical Dental Bldg.
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
HARRY B. PLATIS

PHONE
ALPINE 9-0107

December 8, 1971

MR. WILLARD P. PUFFETT
Field Officer, Region I
Office of Minerals Explorations
UNITED STATES DEPARTMENT OF THE INTERIOR
656 U. S. Court House
W. 920 Riverside Avenue
Spokane, Washington 99201

Re: New Application (Copper, Molybdenum, Tungsten)
CENTURY EXPLORATIONS, INC.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Puffett:

Pursuant to our telephone conversation of yesterday, I am enclosing herein the following documents with reference to the above application:

1. Two (2) copies of quote from C M, Inc. dated November 30, 1971.

2. Two (2) copies of proposed budget from James R. Glass dated October 30, 1971.

3. Two (2) copies of Articles of Incorporation of Century Explorations, Inc.

4. Two (2) copies of Metsker Map showing the Vesper Peak area in red circle.

5. Geological Section Map of the Sultan Basin Project of BrenMac Mines Ltd.

6. Original and one copy of letter from Pacific National Bank of Washington re application for funding.

7. Original and one copy of letter from Seattle-First National Bank re application for funding.

Should you require any additional data, please feel free to call me.

Yours very respectfully,

MATHEW D. GRIFFIN
Attorney for BrenMac Mines Ltd.

MDG:kg
Encls. (as cited)

Pacific National Bank of Washington

December 8, 1971

OFFICIAL
COPY
O. M. E.
RECEIVED
DEC 15 1971
INITIALS | CODE

Mr. Mathew D. Griffin
C/o Griffin and Bortner
318 Medical Dental Building
Everett, Washington

Dear Mr. Griffin:

We have received the application of Century Explorations, Inc., requesting a loan of $39,850.00, in connection with mineral explorations in Snohomish County. Inasmuch as the company is now primarily engaged in exploratory work, as opposed to an operating company, thereby placing the request in a speculative category, we find it necessary to decline the application.

Our Bank urges you to keep us advised of the development and perhaps bank funds could be available at some future time.

Very truly yours,

R. J. Dickson
Executive Officer

SEATTLE·FIRST NATIONAL BANK

EVERETT BRANCH

December 8, 1971

ROY YATES
Assistant Vice President

OFFICIAL COPY
O. M. E.
RECEIVED
DEC 15 1971
INITIALS | CODE

Mr. Mathew D. Griffin
c/o Griffin and Bortner
318 Medical-Dental Building
Everett, Washington 98201

Dear Mr. Griffin:

We recently had an opportunity to review a loan application in the amount of $39,850.00 from Century Explorations, Inc.

In view in the fact that the company is primarily engaged in exploratory work at this time, we find that we are unable to comply with this loan request. The speculative nature of their present efforts precludes us from making such a loan.

If we can be of assistance at a future date we hope you will feel free to contact us.

Very truly yours

Roy Yates
Assistant Vice President

RY:dd

ORIGINAL COPY
O. M. E.
RECEIVED
DEC 15 1971
INITIALS | CODE

James R. Glass, B. Sc.
910 Ash Road,
Richmond, British Columbia.

October 30th, 1971.

Mr. L. N. Udell,
President,
BrenMac Mines Ltd.
1480 Pemberton Avenue,
NORTH VANCOUVER, British Columbia.

Dear Mr. Udell:-

Herewith is proposed budget for a complete Feasibility Study on the BrenMac Mines Ltd. Sunrise Property, Sultan Basin, Snohomish County, Washington, U. S. A.

1. PRELIMINARY FEASIBILITY STUDY

Underground Drifting - 400 feet -	$ 35,000.00
Assaying -	4,000.00
Mining Method Study -	5,000.00
Preliminary Plant location & water control study -	5,000.00
Initial Feasibility Report -	5,000.00
Management overhead -	6,000.00
Contingency -	10,000.00
TOTAL -	$ 70,000.00

2. FINAL FEASIBILITY STUDY

Detailed Diamond Drilling - 35,000' @ $7.00 per ft.	$245,000.00
Assaying -	20,000.00
Mining Method & Detailed Drawings -	25,000.00
Plant Location, Environment Control -	35,000.00
Metallurgical Study -	25,000.00
Final Feasibility Report -	10,000.00
Management & Overhead -	36,000.00
Geologist -	20,000.00
Contingency -	20,000.00
TOTAL -	$436,000.00

At the completion of this work the production decision can be made.

Yours truly,

James R. Glass
Consulting Geologist

OFFICIAL
COPY
O. M. E.
RECEIVED
DEC 15 1971
INITIALS | CODE

CM INC.

U.S. ADDRESS: P.O. BOX 1159, KALISPELL, MONTANA, U.S.A. 59901
CANADIAN ADDRESS: 619-475 HOWE ST., VANCOUVER 112, BRITISH COLUMBIA, CANADA
CANADIAN TELEPHONE NUMBERS: 685-2261 (AREA CODE 604)
TELEX: CANMS 04-54311

ORIGINAL
COPY
O. M. E.
RECEIVED
DEC 15 1971
INITIALS | CODE

November 30, 1971.

Brenmac Mines Ltd.,
1480 Pemberton,
North Vancouver, B.C.

Attention: Mr. L.N. Udell
President

Dear Sir:

Following is our quotation for underground excavation and diamond drilling as outlined in Mr. Glass' letter of November 12, 1971.

TERMS OF PAYMENT:

Excavation:	
Drift or Cross cut price per foot	$ 85.00
Diamond drill station "F" above x-cut	1,000.00
Mobilization and demobilization	4,000.00
Diamond Drilling:	
Price per foot BQWL	12.64
Mobilization and Demobilization	3,000.00

NOTE:

(a) Brenmac to provide road maintenance and access to portal. Cost of any delays in this respect to be paid by Brenmac @ cost plus 10%

(b) Invoices submitted twice per month payable within 14 days.

(c) Cost of rehabilitation of ventilation tubing is to Brenmac's account. We would estimate this at $2,000.00

(cont'd . . .)

COPY
O. M. E.
RECEIVED
OCT 15 1971
INITIALS | CODE

Thank you for the opportunity to quote.

Yours very truly,

C M INC.,

A.D. McCutcheon,
President.

ADM:mdr

APPROVED
AS TO FORM AND FILED

MAR 17 1967

A. LUDLOW KRAMER
SECRETARY OF STATE
BY Marie Colby
SUPERVISOR OF CORPORATIONS

ARTICLES OF INCORPORATION
OF
CENTURY EXPLORATIONS, INC.

We, the undersigned incorporators, all being citizens of the United States and over the age of twenty-one years, for the purpose of forming a corporation under and pursuant to the provisions of the Uniform Business Corporation Act of the State of Washington, do hereby associate ourselves as a body corporate and adopt the following Articles of Incorporation.

ARTICLE I.

The name of this corporation shall be:

"CENTURY EXPLORATIONS, INC."

ARTICLE II.

Section 1. The purposes of this corporation are as follows:

(a) To conduct any form of mining business not contrary to law.

(b) To conduct any other business for which a corporation may lawfully be formed under the general business corporation laws of the State of Washington.

Section 2. In furtherance and not in limitation of the powers conferred by the laws of the State of Washington upon corporations organized for the foregoing purposes, this corporation shall have power: To buy, sell, convey, lease, pledge, mortgage, exchange, assign or otherwise acquire, hold and dispose of, handle and otherwise deal in and with real and personal property or any interest therein of whatever name, nature or description and wherever the same may be situated, either within or without the State of Washington and to exercise unlimitedly all rights and powers incident to the acquisition,

96793 MAR 17 6

holding or disposition of such interest; to lend money, credit or property to, guarantee or assume interest in, on contracts or obligations of, and otherwise aid or assist in any other manner corporations, associations and persons; to do all things necessary or desirable to protect or enhance directly or indirectly the value of any interest owned by the corporation or in which it may have any beneficial interest or rights; to conduct business in the State of Washington and elsewhere as may be permitted by law; to issue, purchase, hold, sell, transfer, reissue or cancel shares of its own capital stock, or its own securities or obligations, in the manner and to the extent now or hereafter authorized or permitted by the laws of the State of Washington; to borrow money, credit or property, to make contracts, to incur obligations and to secure the same by mortgage or pledge of all or part of its assets or franchises; to act for others in any capacity or manner; to participate with others and to consolidate or merge with other concerns in any business, enterprise or transaction which the company is authorized to engage in, in any manner and on any terms, to guarantee, acquire, hold, mortgage, pledge, or dispose of the shares, bonds, securities, and other evidences of indebtedness of any domestic or foreign corporation.

ARTICLE III.

The duration of the existence of this corporation shall be perpetual.

ARTICLE IV.

The location and post office address of the registered office of this corporation in the State of Washington shall be 502 Rust Building, Tacoma, Washington 98402.

ARTICLE V.

This corporation shall have and issue only one class of shares to be

designated common capital stock. The total authorized number of shares which this corporation shall be authorized to issue is five thousand (5,000) shares, each with a par value of Ten Dollars ($10.00).

ARTICLE VI.

The amount of paid-in capital with which the corporation shall begin business is Five Hundred Dollars ($500.00).

ARTICLE VII.

The management, conduct and control of the business of this corporation shall be vested in a Board of Directors, consisting of that number of members, not less than three, as shall be fixed from time to time by the shareholders at their annual meeting or at any other shareholders' meeting held for the purpose of electing a director or directors. The names and post office addresses of the first directors of this corporation are as follows:

Name	Address
Leonard Udell	Suite 318, 510 West Hastings Vancouver 2, B. C.
Charles Eadie	Suite 318, 510 West Hastings Vancouver 2, B. C.
William J. Worrall	Suite 318, 510 West Hastings Vancouver 2, B. C.

Their term of office shall be until the annual meeting of the shareholders of the company in 1968, or until their successors are elected and have qualified.

ARTICLE VIII.

The names and respective post office addresses of each of the incorporators, and the number of shares subscribed for by each (there being only one class of shares), are as follows:

Name	Address	Shares Subscribed
Warren J. Daheim	502 Rust Building Tacoma, Washington 98402	1
John E. Sloan	502 Rust Building Tacoma, Washington 98402	1
James E. O'Hern	502 Rust Building Tacoma, Washington 98402	1

IN WITNESS WHEREOF, we have hereunto set our hands in triplicate, in the City of Tacoma, State of Washington, this 16 day of March, 1967.

Warren J. Daheim

John E. Sloan

James E. O'Hern

STATE OF WASHINGTON)
) ss.
COUNTY OF PIERCE)

On this 16th day of March, 1967, before me personally appeared WARREN J. DAHEIM, JOHN E. SLOAN and JAMES E. O'HERN, to me known to be the individuals described in and who executed the within and foregoing Articles of Incorporation, and acknowledged that they signed and sealed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this 16th day of March, 1967.

Robert L. Carlisle
Notary Public in and for the State of Washington, residing at Tacoma.

OFFICIAL
COPY
O. M. E.
RECEIVED
C 15 1971
INITIALS CODE

OFFICE OF MINERALS EXPLORATION
656 U. S. Court House
Spokane, Wash., 99201

December 7, 1971

DEC 9 1971
Case 120 M
gla 130
HK

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Building
Everett, Washington 98201

Re: New application (Cu, Mo, W)
See Docket No. 6701
Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

You have indicated that the recent information you sent me regarding underground work at the Sunrise Prospect should be considered a new application. However, you did not submit new MME forms 40. I wonder if the forms you submitted in March 1971 reflect the present corporate structure of Century Explorations, Inc. Mr. Kirkemo's letter to you of Nov. 5, 1971, requested copies of the incorporation articles of Century Exploration, Inc. The statement of material facts regarding Bren Mac Mines Ltd. (NPL) does not include the requested articles.

I have no map that shows the relative location of the 3,000 ft. level assay plan you submitted. We do have several maps of the Sunrise prospect, but none that shows the coordinates that appear on the Cannon-Hicks Associates Ltd. map. Without such a map, I have no idea where the proposed work will be in relation to your property boundaries.

The proposed cost estimate by Mr. James R. Glass needs more supporting data. If the work is to be contracted we will need bids from three contractors for both drifting and the drilling. If any part of the work, such as the drifting, is not to be contracted, we will need details of how the unit-cost figure was calculated. This will require the completion of parts (b), (c), (d), (e), (f), and (g), under estimate of costs listed on the back of form MME 40.

Your letters to credit sources requesting a loan from private companies in your March 1971 application were dated March 9, 1971. MME Form 40 states that evidence of such efforts should be made within 90 days preceding the filing of the application. As you have indicated that this is to be a new application, with requested funds different from those in March 1971, we should have new letters to credit sources with their replies.

The problem of the environmental impact study needs some clarification. The study obviously will be required before you can put your mine into production. However, is the study necessary prior to continuing with the proposed exploration for which you've requested OME assistance? I'd appreciate learning how you propose to make the study and through what Governmental agency you will submit the results.

In compliance with the request in your submittal leter, I am forwarding to Mr. Harold Kirkemo copies of the information you have furnished me. However, the additional information that I have requested above is necessary before any action can be taken on your application.

Sincerely,

Willard P. Puffett
Field Officer, Region I

cc: OME/with cy of inc ltr.
Director

WPPuffett/at

C
O
P
Y

RECEIVED
DEC 1 1971
O.M.E.
SPOKANE, WASH.

ASSIGNMENT

THIS AGREEMENT made this 12th day of April, A.D. 1967.

BETWEEN:

KEITH HAWKINS, of Route 1, Box 100,
Blaine, Washington, and
KENNTH H. ARMSTRONG, of Box 312,
Blaine, Washington,

(Hereinafter referred to as "the Assignors")

OF THE FIRST PART

AND:

OFFICIAL
COPY
O. M. E.
RECEIVED
DEC 9 1971
INITIALS | CODE

CENTURY EXPLORATION & RESOURCES LTD. (N.P.L.),
a body corporate, duly incorporated
under the laws of the Province of
British Columbia, having its Registered
Office at Suite 404, 510 West Hastings
Street, in the City of Vancouver,
Province aforesaid.

(Hereinafter referred to as "Century")

OF THE SECOND PART

WHEREAS the Assignors are the holders of certain mining rights granted by an Agreement (a copy of which is annexed hereto as Schedule "A", the rights thereby granted being hereinafter referred to as "the mining rights");

AND WHEREAS the Assignors have agreed to assign the mining rights on the terms and conditions hereinafter set forth;

NOW, THEREFORE, THIS AGREEMENT WITNESSETH that in consideration of the sum of One Dollar ($1.00) of lawful money of Canada and other good and valuable consideration (the receipt whereof is hereby acknowledged,) IT IS AGREED AS FOLLOWS:

1. The Assignors hereby assign to Century the mining rights.

2. The Assignors covenant that the mining rights are valid and subsisting and that they have done no act

whereby the same or any interest or right thereunder or therein has in any manner become impaired or encumbered.

3. THIS AGREEMENT shall enure to the benefit of and be binding upon the Parties hereto, their respective heirs, executors, administrators, successors and assigns.

IN WITNESS WHEREOF the Parties hereto have caused these Presents to be executed as and from the day and year first above written.

SIGNED, SEALED AND DELIVERED by KEITH HAWKINS in the presence of:	"Keith Hawkins" Keith Hawkins
SIGNED, SEALED AND DELIVERED by KENNETH H. ARMSTRONG in the presence of:	"Kenneth H. Armstrong" Kenneth H. Armstrong
The Corporate Seal of CENTURY EXPLORATION & RESOURCES LTD. (N.P.L.) was hereunto affixed in the presence of: "C. M. Eadie" (Dir.)	

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals the day and year first above written.

"Marvel Curtiss"
MARVELL CURTISS

"S. G. Kelley"
S. G. KELLEY

"Hazel Weinert"
HAZEL WEINERT

Lessors

"Keith Hawkins"
KEITH HAWKINS

"Kenneth Armstrong"
KENNETH ARMSTRONG

Lessees

STATE OF WASHINGTON)
)
COUNTY OF SNOHOMISH)

On this day personally appeared before me MARVEL CURTISS, to be known to be the individual described in and who executed the within and foregoing instrument, and acknowledged to me that she signed the same as her free and voluntary act and deed for the uses and purposes therein mentioned.

GIVEN UNDER my hand and official seal this 7th day of April, 1967.

"Donald F. Centre"
Notary Public in and for the State of Washington, residing at Everett

C
O
P
Y

OPTION TO PURCHASE

THIS AGREEMENT is made and entered into on the 7th day of April, 1967, by and between MARVELL CURTISS, S. G. KELLEY and HAZEL WEINERT, owners of four (4) unpatented mining claims, hereinafter designated as "Lessors", and KEITH HAWKINS and KENNETH ARMSTRONG, hereinafter designated "Lessees".

W I T N E S S E T H :

In consideration of Ten ($10.00) Dollars and other valuable consideration, receipt of which is hereby acknowledged, the Lessors do hereby grant to the Lessees, their associates, successors and heirs, the exclusive right and option for a period of ten (10) years from the date hereof, to purchase all right, title and interest of Lessors in the following described mining area of Snohomish County, Washington, to-wit:

> Quaker, Wall Street, Oxidental and Eldorado, known as the Sunrise Mining Claims, and any contiguous claims owned by Lessors alone or together, located in Sections 10 and 15, Township 29 North, Range 10, E.W.M., in the Sultan Basin Mining District, together with all equipment now located on said property.

Said Lessors respective own the following percentage in the Sunrise Mining Claims: MARVEL CURTIS, twenty-six (26%) per cent; S. G. KELLEY, forty-nine (49%) per cent; and HAZEL WEINERT, as her sole and separate property, twenty-five (25%) per cent.

Lessors warrant that they are the owners free and clear of all encumbrances.

The purchase price for all of the foregoing property and appurtenances unto it belonging shall be the sum of One Hundred Forty Thousand ($140,000.00) Dollars.

During the life of this option, the Lessees, or their assigns, shall have the exclusive right to take immediate possession of the above-described property and continue in possession during the term of this option, and shall have the exclusive right to mine and extract minerals from said property, providing the following terms of the lease are complied with, to-wit:

1. The assessment work of Five Hundred ($500.00) Dollars or its equivalent per year on the four claims included in the property shall be performed each year.

2. Title to the personal property and equipment located on the property shall remain in the Lessors until One Hundred Forty Thousand ($140,000.00) Dollars has been paid on the purchase price, at which time the Lessors agree to convey by bill of sale such equipment to Lessees.

3. This agreement may be assigned without leave and shall be binding upon and enure to the benefit of the parties, their respective heirs, executors, administrators and assigns. It is expressly agreed between Lessors and Lessees that in the event Lessees assign their interests in this option to others, and the others default in the terms and conditions of this option, Lessees herein will have the option to retake possession of the property and again deal with Lessors after having corrected the default of Lessees' assigns.

4. The Lessors shall have the right of inspection and examination of the operation and development of the property at all times. The Lessees agree to keep safely and furnish all copies of all records of work done, drill cores, copies of assays and records of surveys.

5. During the life of this option, the purchasers shall pay all personal property taxes, all bills and expenses incurred by them promptly, and by such prompt payment shall prevent the filing of any and all liens of mechanics, miners and materialmen, and any and all other obligations which may become a lien or charge against said property, including the payment of Industrial Insurance, Social Security, Occupational Tax and all like charges. For these purposes, the Lessors shall be offered an opportunity to examine the books of the Lessee at reasonable times and places.

6. The Lessees shall comply with all the rules and regulations prescribed by the State of Washington or the United States for the safety of employees on the property and assume all responsibility in case of accident to employees or persons in or about said property and agree to indemnify and save harmless the Lessors from all which may be asserted by persons or property injured in or about the premises.

7. The Lessees agree to carry on their development, examination and inspection of the property in a workmanlike manner, with due regard to the development and preservation of the mining premises as workable mining property.

8. This is an option to purchase and not an agreement to purchase and may be abandoned by the optionees on notice or failure to make any payment hereunder, whereupon the optionees shall hand over to the owners all records of work done on the property, including remaining drill core and then may remove any buildings, machinery and equipment erected or brought upon the property during the life of this option and thereafter be under no further obligation whatsoever in respect of this agreement.

9. Time is of the essence, and failure to comply with any term hereof by the Lessees, the owners may give the optionees notice, in writing, specifying the default and requiring it to be remedied, then if such specified default continues for thirty (30) days thereafter, the owners may, by written notice, cancel the option. In the event of default by Lessees or their assigns in any of the terms and conditions of this contract, Lessors may, by written notice, declare this contract to be in default, and if, at the end of the thirty-day period, Lessees or their assigns have not corrected the default, these claims, along with all improvements and appurtenances, shall revert back to the Lessors. Any payments previously paid by the Lessees in accordance with the terms of this contract shall be forfeited and become the property of Lessors. Said forfeiture of payments made shall be Lessors' only remedy in the event of default.

10. The payments herein contemplated shall constitute rental payments during the term of this option, which shall all apply towards the purchase price of One Hundred Forty Thousand ($140,000.00) Dollars. Upon the payment of said amount, the option will be considered automatically exercised by Lessees, and the property will be conveyed by the Lessors to Lessees or their assigns.

11. Upon the signing of this instrument, Lessees will pay to Lessors the sum of One Thousand ($1,000.00) Dollars, and each and every month thereafter for the first year, the Lessees shall pay to Lessors the sum of One Hundred Fifty ($150.00) Dollars; for each and every month during the second year of this option, Lessees shall pay Lessors the sum of Two Hundred Fifty ($250.00) Dollars; during each and every month of the third year of this option, Lessees shall pay to Lessors the sum of Three Hundred Fifty ($350.00) Dollars; at the end of the third year and beginning at the end of the fourth year, and at the end of each year thereafter, the Lessees shall pay a yearly sum of one-seventh (1/7) of the balance remaining due on the purchase price after the end of the third year. All payments, except the initial payment of $1,000.00, shall be paid into a collection account in the name of Lessors at the Seattle-First National Bank, Snohomish Branch, 903 Second Street, Snohomish, Washington.

GRIFFIN & BORTNER
Attorneys at Law
318 Medical Dental Bldg.
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
HARRY B. PLATIS

PHONE
ALPINE 9-0107

December 1, 1971

MR. WILLARD P. PUFFETT
Field Officer, Region I
Office of Minerals Explorations
UNITED STATES DEPARTMENT OF THE INTERIOR
656 U. S. Court House
W. 920 Riverside Avenue
Spokane, Washington 99201

RECEIVED
DEC 3 1971
O. M. E.
SPOKANE, WASH.

OFFICIAL
COPY
O. M. E.
RECEIVED
DEC 19 1971
INITIALS CODE

Re: New application (Copper, Molybdenum, Tungsten)
CENTURY EXPLORATIONS, INC.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Puffett:

Enclosed herewith are two maps prepared by Cannon-Hicks and Associates, assay plan of 3,000 foot level, maps entitled "Section 8 by 25, North, Sultan Basin Project", two letters from James R. Glass setting forth budgetary requirements, letter dated November 12, 1971 and one statement of material facts dated October 27, 1971. Also enclosed are two letters dated November 12, 1971 from James R. Glass setting forth the proposed exploratory project.

By separate cover Mr. Udell of BrenMac has forwarded directly to your office option to purchase which should have been received by this time.

With respect to the MME form 52, lien and subordination agreements, BrenMac was advised by the property holders that they would not execute this agreement (which we could find no valid reason for and believe it is based on a misunderstanding as to the purpose of the agreement), and therefore request permission to furnish bond for this.

I would appreciate it if you could furnish us with a copy of an acceptable bond form that you have been using in the past for personal sureties.

12/27/71
Puffett will send copies
HK.

I note in your letter that three bids should be furnished with respect to the drilling project, which we do not have. A contract with a Canadian drilling company has been negotiated for the drilling which is consistent with the uniform charging practice for this type of work. Please advise if more than this is required.

I am enclosing herein also photocopies of letters from the U. S. Department of Agriculture, the Washington State Department of Commerce and from the Department of Ecology of the State of Washington with reference to this mineral development for information purposes only, to set forth the progress that has been made to date with respect to ecological questions. We have, for your benefit, received verbal assurance from the Snohomish County Commissioners that they will endorse a study with respect to the ecological issues to help bring this particular project about.

The depressed area in Snohomish County is in need of this type of development to offset the heavy unemployment factor created by the Boeing slowdown. An early expedition of this project is being encouraged by all interested agencies and parties.

I was in hopes of being in Spokane this week to go over this application with you personally; however, it appears that I will not be able to do this until next week and do desire to expedite this matter at the earliest possible date.

Please phone me if there is any additional information you require and I will see that this is made available to you.

We would appreciate it if you may furnish this information on to the office of Mr. Harold Kirkemo, Chief, Office of Minerals Exploration of Washington, D. C.

Yours respectfully,

Mathew D. Griffin

MATHEW D. GRIFFIN

MDG:kg
Encl. (as cited)
cc: Mr. Len Udell

James R. Glass, B. Sc.
910 Ash Street,
Richmond, British Columbia.

November 12th, 1971.

RECEIVED
DEC 3 1971
O. M. E.
SPOKANE, WASH.

Mr. L. N. Udell,
President,
BrenMac Mines Ltd.
1480 Pemberton Avenue,
NORTH VANCOUVER, British Columbia.

Dear Mr. Udell:-

Herewith is the proposed program to explore the northern extension of the known breccia zone. This work is purely exploratory and will be done to prospect the northern portion of the favourable zone. The estimated time for the program is 90 days.

1. Drift 320 feet in a direction N 19° 30' W (Azimuth 340°30') from the 3003 Drift N at the junction of the 3003 E cross cut with a 6 x 8 working.

2. Prepare a drill station by driving a 6' stub at a distance of 170 feet from crosscut.

3. Drill a flat hole from the drill station in a direction E 29° S (Azimuth 241°) for a distance of 90'.

4. Drift along the drill hole for a distance of 100' with a 6 x 8 working.

5. Prepare a drill station at the west end of this working.

6. Drill a BQ diamond drill hole in a direction W 29° N with a dip of +56° for a distance of 775'.

7. Drill a BQ diamond drill hole in a direction of W 29° N with a dip of -76° for a distance of 1050'.

This work also involves Sampling and Assaying, Engineering and Management.

Yours truly,

James R. Glass, B. Sc.
Consulting Geologist

ORIGINAL
COPY
O. M. E.
RECEIVED
DEC 9 1971
INITIALS | CODE

James R. Glass, B. Sc.
910 Ash Street,
Richmond, British Columbia.

November 12th, 1971.

RECEIVED
DEC 3 1971
O.M.E.
SPOKANE, WASH

Mr. L. N. Udell,
President,
BrenMac Mines Ltd.
1480 Pemberton Avenue,
NORTH VANCOUVER, British Columbia.

Dear Mr. Udell:-

Herewith is a proposed budget for a program to explore the northern extension of the known breccia zone. This work is purely exploratory and will be done to prospect the northern portion of the favourable zone. The estimated time for the program is 90 days.

1.	Drift 320 feet in a direction N 19° 30' W (Azimuth 340°30') from the 3003 Drift N at the junction of the 3003 E cross cut with a 6 x 8 working - 320' x $70.00	$ 22,400.00
2.	Prepare a drill station by driving a 6' stub at a distance of 170 feet from crosscut - 6' x $70.00	420.00
3.	Drill a flat hole from the drill station in a direction E 29° S (Azimuth 241°) for a distance of 95' - 95' x $12.00	1,040.00
4.	Drift along the drill hole for a distance of 100' with a 6' x 8' working - 100' x $70.00	7,000.00
5.	Prepare a drill station at the west end of this working	800.00
6.	Drill a BQ diamond drill hole in a direction W 29° N with a dip of +56° for a distance of 775' - 775' x $10.00	7,750.00
7.	Drill a BQ diamond drill hole in a direction of W 29° N with a dip of -76° for a distance of 1050' - 1050' x $10.00	10,500.00

OFFICIAL COPY
O. M. E.
RECEIVED
DEC 9 1971
INITIALS CODE

Sampling and Assaying	$ 5,900.00
Engineering	3,000.00
Management overhead	2,000.00
Contingency	6,000.00
TOTAL -	$ 66,810.00

Respectfully submitted,

James R. Glass, B. Sc.
Consulting Geologist

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
Snoqualmie National Forest
1601 Second Avenue Building
Seattle, Washington 98101

November 19, 1971

2810

Griffin & Bortner
318 Medical Dental Bldg.
Everett, Washington 98201

RECEIVED
NOV 23 1971
M. E.
WASH.

Gentlemen:

Reference is made to your letter of October 20 concerning the Bren Mac Mines operation in the Sultan River Basin.

We have consulted other interested parties, including State Department of Natural Resources and the City of Everett. It is our feeling that any proposal of the magnitude that Bren Mac Mines indicates would have a considerable impact on other resources in the area. A feasibility study covering the company's proposal would appear to be of high priority. Such a study should deal with environmental impacts. In fact, it is our belief that an environmental statement would be necessary to comply with the Environmental Act of 1970.

We would endorse making of such a study and we would be available for consultation. However, we have no funding for such work so by endorsing such a study, we are in no way committing funding. This will have to come from some other source than the Forest Service.

Sincerely

DON R. CAMPBELL
Forest Supervisor

OFFICIAL
COPY
O. M. E.
RECEIVED
NOV 29 1971
INITIALS CODE

6200-11 (1/69)

WASHINGTON STATE
DEPARTMENT OF COMMERCE AND ECONOMIC DEVELOPMENT
GENERAL ADMINISTRATION BLDG.
OLYMPIA, WASHINGTON 98504
Daniel B. Ward DIRECTOR
Daniel J. Evans GOVERNOR

DEVELOPING THE ECONOMY THRU • TOURISM • INDUSTRY • RESEARCH • FOREIGN TRADE • NUCLEAR PROGRESS

NOV 16 1971

RECEIVED
DEC 3 1971
SPOKANE ASSN.

Mr. Dan Griffin
Griffin & Bortner
Attorneys-at-Law
318 Medical Dental Building
Everett, Washington 98201

Dear Dan:

The recent tour of the Bren-Mac Mine properties in the Sultan River Basin was most enjoyable. The presentation by Mr. Udell, President of the Bren-Mac Mines, seemed to cover the entire scope of activities ranging from the economics of the situation to the preservation of the environment.

The Department of Commerce and Economic Development will certainly lend all possible assistance. We are convinced that the total project is feasible and that the total impact on Snohomish County will be beneficial to all concerned. The investment related to tax base, income to the school district, direct and indirect employment, is substantial. At the same time we recognize the fact that this particular area must be developed with great care in the protection of the environment.

The entire project will require great cooperation between state agencies, local government units, and other entities such as the Sportsmen's Council and the Sierra Club.

Sincerely,

Daniel B. Ward
Director

TH:39/6

OFFICIAL COPY
R. M. E.
RECEIVED
DEC 29 1971
INITIALS | CODE

SEATTLE OFFICE:
312 FIRST AVE. NO. (98109)

SPOKANE OFFICE:
ROOM 307, GREAT WESTERN BLDG. (99201)

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

DANIEL J. EVANS
GOVERNOR

JOHN A. BIGGS
DIRECTOR

Post Office Box 829
Olympia, Washington 98504

November 9, 1971

RECEIVED
DEC 3 1971
SPOKANE, WASH.

Mr. Mathew D. Griffin
318 Medical Dental Bldg.
Everett, Washington 98201

Dear Mr. Griffin:

It was a pleasure to have had the opportunity of personally viewing and being made aware of the plans of the BrenMac Corporation to develop a major copper mining operation in the Sultan River Basin. I was impressed with the interest which officials of the company displayed in adressing themselves to environmental problems which might be inherent in a project of resource removal of this magnitude and at that location.

On the occasion of my visit, it was indicated to me that the company proposed to become a sponsor applicant for a Federal planning grant which would have as its purpose pre-examining all of the economic, human and environmental factors inherent in a major project of this kind. The purpose of this study as I understand it, would be to evaluate, define and interpret these subjects and any conflicts which might be inherent in them prior to an actual undertaking of the mining operation.

On behalf of the State Department of Ecology, I wholeheartedly endorse the purposes of this study, and I am very hopeful that you are able to secure the financial and personnel commitments attendant with it.

Very truly yours,

THE DEPARTMENT OF ECOLOGY

J. A. Biggs

John A. Biggs, Director

JAB:cs

cc: Mr. Dan Ward, Director
Dept. of Commerce & Econ. Devel.
Mr. Bert Cole, Comm. of Public Lands

SPECIAL COPY
RECEIVED
NOV 9 1971
MEDIA CODE

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
11/5/71		120
		220

AIRMAIL

NOV 1971

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Building
Everett, Washington 98201

Re: OME-6701 (Copper-Molybdenum-Tungsten)
Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

This is to acknowledge receipt of a report, dated August 23, 1971, prepared by James R. Glass. In the event a copy of this report was not furnished to the OME Regional Office, please do so at your earliest convenience.

We assume from this material that you wish to reopen your application. We advised you on October 5, 1971, that we considered the application as withdrawn on that date for lack of response from you in over three months. We will reopen the application upon receipt of the additional information requested in a letter to you, dated March 16, 1971, from Mr. Willard P. Puffett, Field Officer, OME Region I. The report by Mr. Glass does not furnish this information and without it we cannot proceed with our review of your application.

Still lacking are evidence of your rights in the land, geologic and property maps, maps showing proposed exploration, and contract bids for exploration work. Lien and Subordination Agreements, Form MME 52, need to be completed, and copies of articles of incorporation of the Century Exploration, Inc., should be furnished. If more than one ownership is indicated, each owner should complete a Lien and Subordination Agreements (5 copies each).

Sincerely yours,

Harold Kirkemo
gla

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
OME Region I
Mr. Kirkemo

HKirkemo/gla 11-5-71

Copy to: Mr. Len Udell
BrenMac Mines, Ltd.
1480 Pemberton
North Vancouver, B. D., Canada

GRIFFIN & BORTNER
Attorneys at Law
318 Medical Dental Bldg.
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
HARRY B. PLATIS

PHONE
ALPINE 9-0107

October 29, 1971

OFFICIAL
COPY
O. M. E.
RECEIVED
NOV 1 1971
INITIALS | CODE
Cal 120
gh 120
HK 120

MR. HAROLD KIRKEMO
Chief, Office of Minerals
Explorations
UNITED STATES DEPARTMENT
OF THE INTERIOR
Geological Survey
Washington, D.C. 20242

Re: OME-6701 (Copper-Molybdenum-Tungsten)
CENTURY EXPLORATIONS, INC.
Sunrise Project
Snohomish County, Washington

Dear Mr. Kirkemo:

With reference to the application for financial assistance for the above project, we are enclosing herein Report on Sultan Basin Properties for BrenMac Mintes Ltd. prepared by James R. Glass, Consulting Geologist.

Should you require any additional information, please feel free to contact me.

Yours respectfully,

Mathew D. Griffin
kg

MATHEW D. GRIFFIN

MDG:kg
Encls.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/5/71		120
		220

AIRMAIL

OCT 5 1971

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Dental Building
Everett, Washington 98201

Re: OME-6701 (Copper-Molybdenum-Tungsten)
Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

We have had no word from you since July 9, 1971, when you informed us that you wished to proceed with your application for Government financial assistance to explore the Sunrise Prospect.

As mentioned to you in our letter of June 29, 1971, budget constraints restrict our program this fiscal year and only modest assistance is available.

In view of the fact that you have not completed your application in the past three months, we assume that you do not intend to proceed with it. Accordingly, we are considering it was withdrawn.

Should you wish to reopen the application at a later date, please refer to this docket number and furnish such information as may be necessary to complete the application and bring it up to date.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

Copy to: Mr. Len Udell
BrenMac Mines, Ltd.
1480 Pemberton
North Vancouver, B. C., Canada

cc: Director's Reading File
Mineral Resources
OME Reading File
Region I
Mr. Kirkemo

HKirkemo/gla 10/5/71

Mr. Len Udell
BrenMac Mines, Ltd.
1480 Pemberton
North Vancouver, B.C.
Canada

GRIFFIN & BORTNER
Attorneys at Law
318 Medical Dental Bldg.
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
LLOYD L. PIKE
HARRY B. PLATIS

PHONE
ALPINE 9-0107

July 9, 1971

OFFICIAL
COPY
O. M. E.
RECEIVED
JUL 15 19

INITIALS	CC
Cal	12
HK	

United States Department of the Interior
Geological Survey
Washington, D.C. 20242

Attention: Harold Kirkemo
Chief, Office of Minerals Exploration

Re: OME-6701 (Copper-Molybdenum-Tungsten)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Kirkemo:

We do desire to proceed with the application and will be submitting immediately on the matter.

Yours respectfully,

MATHEW D. GRIFFIN

RECEIVED
U.S. GEOLOGICAL SURVEY
JUL 13 9 35 AM 1971
OFFICE OF THE DIRECTOR

MDG:kg

cc: Mr. Len Udell

GRIFFIN & BORTNER
Attorneys at Law
318 Medical Dental Bldg.
EVERETT, WASHINGTON 98201

MATHEW D. GRIFFIN
JAMES W. BORTNER, Jr.
LLOYD L. PIKE
HARRY B. PLATIS

PHONE
ALPINE 9-0107

July 9, 1971

ORIGINAL COPY
RECEIVED
JUL 12 1971
INITIALS | CODE
CC | 120
HK | 120

United States Department of the Interior
Geological Survey
Washington, D.C. 20242

Attention: Harold Kirkemo
Chief, Office of Minerals Exploration

Re: OME-6701 (Copper-Molybdenum-Tungsten)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Kirkemo:

We do desire to proceed with the application and will be submitting immediately on the matter.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:kg

cc: Mr. Len Udell

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code

AIRMAIL

JUN 29 1971

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Building
Everett, Washington 98201

Re: OME-6701 (Copper-Molybdenum-Tungsten)
Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

On May 13, 1971, we requested certain information from you which Mr. Willard P. Puffett, Field Officer, OME Region I, had previously requested. To date, we have not heard from you on this matter.

If you need additional time to prepare this information, please let us know. If we do not hear from you within 30 days of the date of this letter, we must assume that you are no longer interested in proceeding with your application, and we shall consider if as having been withdrawn.

Budget constraints in fiscal year 1972, beginning July 1, 1971, will restrict the OME program to the point where only modest assistance will be available to a very few of the more promising proposals. Should you decide to complete your application, we will consider it within these limitations.

Sincerely yours,

Harold Kirkemo
zfa

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's reading file
Mineral Resources
OME reading file
Region I
Mr. Kirkemo

HKirkemo/cac 6-29-71

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/13/71		120
		220
		120M

MAY 13 1971

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Bldg.
Everett, Washington 98201

Re: OME-6701 (Copper-Molybdenum-Tungsten)
Century Exploration, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

On March 16, 1971 Mr. Willard P. Puffett, Field Officer, OME Region I, requested certain information from you which was necessary to help complete your revised application for financial assistance to explore the Sunrise Prospect. To date, you have not furnished this information. Would you please do so at your earliest opportunity?

Sincerely yours,

Harold Kirkemo
gla

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
OME Region I
Mr. Kirkemo

HKirkemo/bsl 5/13/71

OFFICE OF MINERALS EXPLORATION
656 U. S. Court House
W. 920 Riverside Ave.
Spokane, Wash. 99201

MAR 18 1977
INITIALS | CODE
1 | 30
1 | 20
1 | 20
1 | 20

March 16, 1977

W. application attached

Mr. Mathew D. Griffin
Griffin and Bortner
Attorneys at Law
318 Medical Dental Bldg.
Everett, Washington 98201

See OME 6701

Re: New application (Copper, Molybdenum, Tungsten)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Mr. Griffin:

Some items were not included with your application that arrived here today. We will need these before processing the application.

No Option to Purchase is with the application. At least one copy is required. I am enclosing six copies of MME Form 52--Lien and Subordination Agreements--five of which should be completed by the property owner. Please note that the applicant does not sign MME Form 52.

Geologic and property maps are missing. We will not participate in exploration closer than 100 feet to an applicant's property boundary; hence it is necessary that we have a map showing the location of the proposed exploration.

Bids from at least three diamond drill contractors are required. Per haps on these bids will be an estimate of the time required for the proposed drilling.

We cannot participate in the costs of metallurgical investigations, contingencies, or study of mining methods and development of preliminary mining costs. Therefore, the estimated cost of your proposed program in which OME might participate will be much less than the figure inserted on your MME Form 40.

Sincerely,

Enclosures

cc: OME/with copy of application

Willard P. Puffett
Field Officer, Region I
Office of Minerals Exploration

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/20/69		120
		220
		[illegible]

AIRMAIL

Dr. A. C. Skerl
Consulting Mining Geologist
1758 Western Parkway
Vancouver 8, British Columbia

MAR 21 1969

Re: OME-6701 (Copper-Molybdenum)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Dear Dr. Skerl:

This is in reply to your letter of March 15, 1969 inquiring about the outlook for OME funds to assist exploration of the Sunrise deposit in Sultan Basin, Washington.

OME funds at this time are fully committed to current contracts and to applications previously approved. The extent of our contracting activities in the new fiscal year beginning July 1, 1969 depends upon the availability of newly appropriated funds. We cannot predict now the amount of such funds, although we expect that they will be less than in previous years.

For your information, our records show that we wrote to Century Explorations, Inc. on August 12, 1968 to advise again that additional information was needed for us to continue processing the application. If a reply was not received within 30 days of the date of our letter we would assume that the applicant was no longer interested in proceeding with the application, and we would consider it as having been withdrawn. As no reply was received by September 19, 1968 the docket was referred to our inactive file and the application was considered as withdrawn.

If you expect to renew the application, the applicant may do so by referring to docket number OME-6701 and furnishing such new information as is necessary to complete and update the original application.

Sincerely yours,

Harold C. Kirkemo

Harold Kirkemo
Acting Chief
Office of Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region I
Mr. Kirkemo

HKirkemo/bsl 3/20/69

TELEPHONE 224-6257

1758 WESTERN PARKWAY
VANCOUVER 8, B.C.

DR. A. C. SKERL
A.R.S.M., PH.D., P.ENG.
CONSULTING MINING GEOLOGIST

15th March 1969

Copy to R-D

Mr. Harold Kirkemo
Chief Geologist
Office of Mineral Exploration
Washington, D. C.

Re :

Sunrise Deposit
Sultan Basin
Washington .

Dear Mr. Kirkemo,

As you know I am the consulting geologist for Century Exploration and BrenMac Mines who were exploring the Sunrise Deposit in the Sultan Basin under my direction.

Last year we made a submission for an O M E loan which we understood was favourably received by your office but because of a shortage of funds no assistance was available.

I would greatly appreciate hearing from you about our present rating for assistance and whether we need to repeat our application for a loan.

Yours sincerely

A. C. Skerl

. C. Skerl
1758 Western Parkway
Vancouver 8, B. C.

VANCOUVER
6 PM
MAR 16
1969
B.C.

6 ¢ MAIL FAR
VANCOUVER
25 QUARTES P.O.
POSTE NUMBERS

Mr. Harold Kirkemo

Chief Geologist

Office of Mineral Exploration

Washington, D. C.

U S A

PAR AVION

VIA AIR MAIL

CORREO AEREO

GRIFFIN & BORTNER

[illegible]

[illegible]

EVERETT WASH[illegible]

MATHEW D. GRIFFIN
JAMES W. BORTNER, JR.
LLOYD L. PIKE
HARRY B. FLATIS

March 11, 1971

[illegible]
[illegible]

RECEIVED
MAR 16 1971
U.M.E.
SPOKANE, WASH.

Mr. [illegible]
[illegible] Department
[illegible]
[illegible]
Office of Mineral Explorations
[illegible]

Re: Century Exploration, Inc.

Dear Mr. Patterson:

With reference to Century Exploration, Inc. [illegible] two copies of Application for Financial Assistance in Mineral Exploration [illegible] with supporting data.

Should you require any additional information other than the enclosed, please feel free to contact.

Yours respectfully,

MATHEW D. GRIFFIN

MDG:[illegible]
Encl.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
9/19/68	Kibano	120
"		120
"		110
		220

September 19, 1968

~~SEP 19 1968~~

Memorandum

To: The File

From: Edward C. Peterson

Subject: OME-6701 (Copper-Molybdenum)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

The Applicant has not replied to our letter of August 12, 1968. Accordingly, the subject docket is referred to the inactive file and the application considered as having been withdrawn.

Edward C. Peterson

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region I
Mr. Smith

ECPeterson/bsl 9/19/68

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/9/68	RMSmith	120
8/12/68	Kirbemo	120
		110
8/12	cc	220
		120M

AIRMAIL

Century Explorations, Inc.
1218 Third Avenue
c/o C T Corporation System
Seattle, Washington, 98101

AUG 1 2 1968

Re: OME-6701 (Copper-Molybdenum)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Gentlemen:

We have not received a reply to our letters of May 14 and July 8, 1968, in which we requested additional information needed to continue processing the application captioned above.

If you need additional time to prepare this information, will you please so inform us. If we do not receive a reply from you within thirty days from the date of this letter, we must assume that you are no longer interested in proceeding with the application and we shall consider it as having been withdrawn.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region I
Mr. Smith

RMSmith/bsl 8/9/68

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
7/8/68	RMSmith	120
7/8/68	Sikberno	120
		110
		220
		120M

AIRMAIL

JUL 8 1968

Century Explorations, Inc.
1218 Third Avenue
c/o C T Corporation System
Seattle, Washington 98101

Re: OME-6701 (Copper-Molybdenum)
Century Explorations, Inc.
Sunrise Prospect
Snohamish County, Washington

Gentlemen:

In reply to our request of March 14, 1968, for additional information, we received a letter dated April 2 from Dr. Skerl furnishing data related to our numbered item 5, and indicating that our questions 1 and 2 would be answered from your office shortly. We have not yet received your reply.

Will you please inform us when we may expect the additional information. If you have decided not to pursue the application further, will you please so inform us.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region I
Mr. Smith

RMSmith/bsl 7/8/68

TELEPHONE 224-6257

1758 WESTERN PARKWAY
VANCOUVER 8, B.C.

DR. A. C. SKERL
A.R.S.M., PH.D., P.ENG.
CONSULTING MINING GEOLOGIST

OFFICIAL COPY
O. M. E.
RECEIVED
APR 9 1968
INITIALS | CODE
Osf | 130
JG | 110
RMA | 120 S

April 2nd, 1968.

Mr. Frank E. Johnson,
Chief, Office of Minerals Exploration,
United States Department of the Interior,
Geological Survey,
WASHINGTON, D. C. 20242

Attention: Mr. Harold Kirkemo

6701

Dear Mr. Johnson: Re: OME- (Copper-Molybdenum)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Concerning your letter on the above Application, since I am responsible for the engineering geology of this interesting project, I have been asked to answer your questions concerning the exploration work.

As to the size of the tunnel we specified to the contractors that it was up to them to decide this, based on an advance of 750 feet per month. To accomodate modern equipment and an adequate ventilation duct they suggested from 7 x 8' to 8 x 8½'. We are just as anxious to drive the tunnel as cheaply as possible and have, therefore, discussed the matter further with the lowest bidder - Rockland Contractors of Seattle, Washington, who are prepared to drive a 7 x 5' tunnel for $65.00 per foot. We would, therefore, modify our program to conform to your suggested ideas as to what would be exploration by driving the tunnel to the south end of the deposit on the 3000' elevation and then drilling a fan of 5 flat holes across the deposit. Another two holes would be drilled at say -45°.

The results of this drilling would guide further exploration.

The itemized costs would be as follows:

Road	$ 10,000.00
Tunnel to deposit 2800 ft. (7'x5') at $65.00 per ft.	182,000.00
Diamond drilling - 4000' at $6.00	24,000.00
Trestle, mobilization, etc.	6,000.00
Assaying	2,000.00
Supervision	6,000.00
Geologist	5,000.00
Consultant	8,000.00
Helpers	3,000.00
Transportation	4,000.00
Trailer, Rental, travel & board	2,000.00
	$252,000.00
Contingency	23,000.00
	$275,000.00

- ?

Your other queries will be answered from the Century office shortly.

Yours sincerely,

A. C. Skerl

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/12/68	[illegible]	120
3/13/68	Skibenes	120
3/14/68	On leave	110
3/14	CDC	220
		120M

AIRMAIL

MAR 14 1968

Century Explorations, Inc.
1218 Third Avenue
c/o C T Corporation System
Seattle, Washington 98101

Re: OME-6701 (Copper-Molybdenum)
Century Explorations, Inc.
Sunrise Prospect
Snohomish County, Washington

Gentlemen:

Preliminary review of your application for financial assistance in exploring the referenced prospect indicates that additional information is required before we can continue its processing. The information needed relates to Items 1, 2, and 5 on the back of the application form.

1. Financial Eligibility:

(a) Although you have submitted copies of letters from two Canadian banks refusing a $550,000 loan, it is also necessary to furnish copies of your letters to the banks requesting a loan. This requirement cannot be waived. Inasmuch as the Government may participate only to the extent of 50 percent of the allowable costs of a project, your applications to the banks should request a loan of not more than half the estimated cost.

To assist us in determining your financial eligibility in this somewhat unusual circumstance we suggest that you apply to your bank of account and to at least one U. S. bank in Snohomish County proposing repayment terms within the Company's capacity and possibly offering company assets as collateral. If the banks refuse, it will be helpful if they state their reasons.

2. Applicant's Rights in Land:

(c) Five copies of Lien and Subordination Agreements signed by the owners of the land, not by the Applicant, are required in the event of a contract. These may be submitted later but please inform us whether or not they would be obtainable. In addition a Performance Bond on Standard Form 25 would be required since ownership of the Applicant's company is foreign. Would you be willing to furnish such a bond in the amount of the Government's share of the estimated costs?

Blank copies of both documents are enclosed for your possible use. For your information the Miller act applies to construction contracts and in our opinion does not apply to OME contracts.

5. Exploration Work:

(a) OME projects are restricted to exploration and exclude development work performed primarily in preparation for mining. Where both purposes are served, as in this instance, the OME may share in the costs to the extent necessary to accomplish the exploration. For example, the proposed exploration could be effectively accomplished at less cost by driving a 5 x 7-foot adit rather than an 8 x 8-foot adit. An OME contract would place no upper limit on the size, but the Government would share only in the estimated costs of the smaller size. Similarly, systematic drilling in fans of holes along vertical sections only 100 feet apart is considered to be development drilling. The Government may share in the costs of only enough holes to effect a reasonable delineation and sampling of the deposit, but not enough holes to ascertain the true average grade.

Please let us know if you would be interested in an OME contract covering only the exploration portions of the proposed work.

This request for additional information should not be construed as a commitment by the Government to grant an exploration contract. We shall hold the further processing of your application until the requested data are received.

Sincerely yours,

Harold Stilmar

for Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
Mr. Smith
Region I

RMSmith/bsl 3/12/68

February 28, 1968

Century Explorations, Inc.
502 Rust Building
Tacoma, Washington 98402

Subject: OME-6701

Gentlemen:

Your application for exploration assistance, dated January 25, 1968, submitted to our office at Spokane, Washington, has been assigned Docket No. OME-6701.

Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to Region I