

Mr P^W. Olson, P. Eng.,
Senior Inspector,
Victoria.

G. Addie, P. Eng., P. Geol.,
District Geologist, Nelson.

August 16th 78

Re: Hat Barite - your memo May 1st, 1978

The property was visited on August 9th with Alan Miller. His partner Harold Bearham, and the cat driver, Ian Weir, were also met.

Mr Miller has given me a copy of Mr G. Mason's P. Eng., report which is enclosed.

I concur that 6,000 tons of barite is readily available from two outcrops.

I am not convinced that the mineralization will be continuous between outcrops. Rather I suspect a "pater noster" pattern along a major fault. The pods of barite would be approximately 100 feet apart. The structure is very strong as evidenced by many quartz tension veins in the area. Mason indicates a fault pattern for several miles.

Tetrahedrite is present in the barite and a sample has been taken to evaluate the silver content.

They had in mind bringing in a road from the Bruce Creek side, but I recommended the old Paradise Mine road. A 10-11 has now been received for this purpose. Since both the mine and the barite are almost on the same elevation a contour road should be made. There is an old "bee line" cat road to the barite which would, by today's standards, be unacceptable. I fully recommend the contour road, from the Paradise Mine.

G. Addie, P. Eng., P. Geol.,
District Geologist.

GA/elg

Encl.

June 1978
N 32 K / 8W

6



5

MEMORANDUM FROM : P.E. Olson, P. Eng.,
..... Senior Inspector.....
TO : J.B.C. Lang, P. Eng.,
..... Inspector of Mines, Nelson, B.C.....

M
THE DEPARTMENT OF
MINES AND PETROLEUM RESOURCES

MAY 4 - 1978

DATE: May 1, 1978

Re: Hat Barite

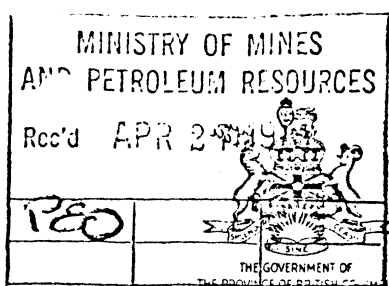
I would appreciate any comment you could make regarding the enclosed road grant application and maps, etc.,

You will note that the proposed road is all on the Hat Claims and we do not ordinarily provide funds for on-claim roads.

P. E. Olson

P.E. Olson, P. Eng.,
Senior Inspector

PEO:mmc
cc: ✓George Addie



File No. 50-116

Department of Mines and Petroleum Resources

17

APPLICATION FOR ASSISTANCE IN CONSTRUCTION OR MAINTENANCE
OF ROADS OR TRAILS TO MINING PROPERTIES

This application must be in the hands of the Deputy Minister of Mines and Petroleum Resources in Victoria before the 1st day of June to ensure that it receives consideration. It must also be approved before the commencement of work for which assistance is requested.

1. Name of road or trail No name that we know of. } If name has been
2. Name of property Hat Claims } changed, give old
3. Name of key claim Hat Claims 16065 - 173370 name also.
(If Crown-granted, give lot number.)
4. Location of mining property Lat. N. 50 - 30'; Long W 116 17'
on ridge between Bruce Creek and Spring Cr.
5. Mining Division Golden
6. Name of owner of property 342 6106 342-6759 Harold Bearham and Allan Miller *Check In 730*
7. Is title in good standing and free of all encumbrances? yes
8. Name of applicant and F.M.C. No. 154816 (A. Miller)
9. (a) State here applicant's interest in property (if not owner, provide copy of agreement with owner) owner - Developer.
- (b) If applicant is a company, is it duly incorporated or registered in British Columbia? Not as yet.
10. What mineral or minerals have you discovered on this property? Barite
11. To what extent has this property been developed? Give answers to the following questions to the best of your ability and illustrate by sketches, if possible, to show workings in relation to claim boundaries and existing trails:—
- (a) How many feet of trenching exposing the deposit? nil
- (b) How many feet of stripping exposing the deposit? approximately 75'
- (c) How many feet of pits or shafts? nil
- (d) How many feet of other underground workings? nil
- (e) How many feet of diamond drilling? nil
12. (a) What work do you intend to do on the property during the current season? Drill the property for core analysis and further stripping to determine extent of existing deposit.
- (b) How much do you intend to spend on the above programme? Approx. \$40,000.
13. How many men will be employed and what equipment will be required? 4 - 6 men ; drilling equipment and bulldozer, trucks, etc.
14. Have you available, or assured, sufficient funds to complete this programme of work? Looks promising.
15. Do you anticipate shipping ore? Yes; if we can prove sufficient tonnage to make project financially feasible.

16. (a) Type of road or trail required (i.e., truck-road, tractor-road, pack-trail) Truck road - 4 wheel dr.
 (b) Initial or starting point of road From existing unnamed road below claims.
 (c) Total length Approx. 4 miles.
 (d) Terminal point Barite deposit.
17. Give details of type of country (e.g., rocky, swampy, wooded, grassy, etc.) Located on side of mountain (some work was done previously) in soft shale.
18. (a) State nature of work which it is desired to do on same, whether construction or maintenance work.....
construct access road to site.
 (b) Number of miles of such work approx. 4 miles
 (c) When it should be done Commencing as early as possible in spring.
 (d) Equipment required About D7 bulldozer.
 (e) State whether work should be done by the applicant, Department of Highways, or by contract.....
By contract
 (f) State whether the road or trail starts from a public road, private road, railway, waterway, private logging-road, etc. from public road (existing near Bruce Creek).
 (g) Will this construction be on, or will it pass through, private property? No
19. What is your estimate of the cost of the necessary work? \$8,000, to \$10,000.
20. Do you undertake, as a condition to receiving any public moneys, to contribute 50 per cent of the said cost, either in kind or in labour? yes.
21. Do you agree to complete work described without asking for additional assistance? yes
22. Do you expect that additional work or maintenance will be required within the next five years? If so, describe what may be required. Yes, there is bound to be some sluffing each spring that will have to be cleared.
23. What assistance have you previously received toward construction or maintenance of roads or trails for:—
 (a) This property nil
 (b) Any other property nil
24. Give name of payee n/a

If a grant is made, I hereby agree that this fact shall not be used in any way in any promotion.

Dated at Invermere B.C. this 14th day of April, 1978

(Signature) see: [Signature]
MILLBEAR HOLDINGS

(Address) P.O. Box 938 - Invermere B.C.

The applicant *must* submit a carefully drawn sketch indicating the location of the road or trail in relation to the property boundaries and to the nearest existing trail, truck-road, or railway. If only maintenance work is to be done on an existing road or trail, the sketch should indicate the nature of the work and where it is required. If possible, this sketch should be traced or copied on letter-size or legal-length paper from the mineral reference map of the district. These maps can be seen at the office of the Mining Recorder for the district in which the property is located or can be obtained from the Department of Mines, Victoria, B.C.

Where warranted by the amount of assistance requested, the following may be required:—

- (1) Report on property by a professional geological or mining engineer.
- (2) Proof of ability of applicant or his principals to properly finance the development work contemplated.
- (3) A road-location survey at the expense of the applicant.

April 25th 1978

MILLER

Mr. Allan R. Murray,
Millbear Holdings,
P.O. Box 938,
INVERMERE, B.C.
VOA 1KO

MINISTRY OF MINES AND PETROLEUM RESOURCES		
Rec'd APR 27 1978		
<i>Peo</i>		

Dear Mr. Murray:

Thank you for your letter of April 14th and attached application for road assistance which I have passed to P.E. Olson, engineer in charge of the Mineral Road Programme.

In anticipation that funds will be available for assisting this sort of development under Bill 5, the Revenue Surplus Appropriation Act, I have asked that your request be sent also to Dr. E. W. Grove, who will be in charge of programmes of this kind under that Act. You can expect to hear from these engineers in due course.

Yours sincerely,

Over signed by JRC

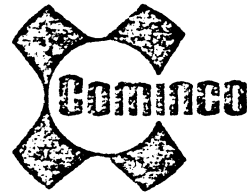
JAMES R. CHABOT
Minister

JTF:bg

✓
c.c. P.E.O. and E.W.G. with attachments ✓

Special Assay Report

Ollivan Concentrator



Date JUNE 16 1977

Description		% Pb	% Zn	% Fe	% Cu	oz/Ton	% Ba	S.G.
				%	%	AG	%	
BARITE LARGE SAMPLE (M)	(MAIN SHOWING)			89.5	.046	.02	52.6	4.21
SHAFT				2.2	.375	.02	1.3	2.75
CROCUSES 1, 2, 3				27.9	.011	.02	16.4	3.00
LOWER MAIN	(LARGE OUTCROP)			89.6	.05	.04	52.7	4.33
ROAD				87.6	.002	.01	51.5	4.22

Copy For: _____ Chief Assayer

By: Core Laboratories
Calgary, Alberta

Barite Sample #36

FILE 7061-7293
DATE July 12/77

Analysis

Specific Gravity @ 20°C (68°F)	4.32
Hardness (ppm Calcium)	2.0
Loss on Ignition @ 800°C	0.49%
SiO ₂	4.66%
Barium Sulphate	94.62%
Iron	0.05%
Calcium	<0.01%
Magnesium	<0.01%
Zinc	3.1 ppm
Lead	9.0 ppm
Copper	33 ppm
Chromium	2.4 ppm
Cadmium	<0.1 ppm
Mercury	154 ppb

MINISTER'S OFFICE
RECEIVED

APR 19 1973

PARLIAMENT BUILDINGS
VICTORIA, B.C.

P.O. Box 938,
Invermere, B.C.,
April 14, 1978.

MINISTER'S OFFICE
RECEIVED

APR 19 1978

PARLIAMENT BUILDINGS
VICTORIA, B.C.

Mr. James R. Chabot,
Minister,
Mines and Petroleum Resources,
Parliament Buildings,
Victoria, B.C.

MINISTRY OF MINES
AND PETROLEUM RESOURCES

Rec'd APR 27 1978

Dear Mr. ^{Jim}Chabot: Re: Exploration of Barite Deposit -
Invermere; Application for Assistance

You will recall that I have discussed with you on several occasions our hope to develop our barite deposit. Harold Bearham and myself have what could prove to be a substantial find located some 18 miles due west of Invermere in the Bruce Creek area. We have held the claims for some years and a few years ago, had Ray Tegart use his bulldozer to expose the vein for a distance of approximately 75'. The demand and market were questionable at that time so we just left it sit.

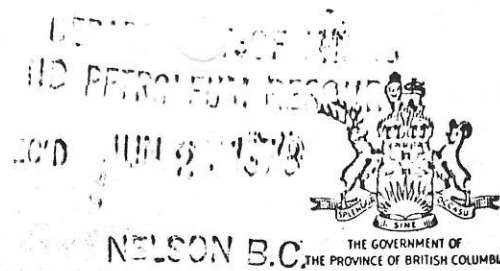
With the increased oil well drilling activity in British Columbia and Alberta, the use of barite has also increased as has the price. We therefore have endeavored to interest major users (incidentally, all with head offices located in the United States). We can report that while there is some interest, it has become apparent they would like to see further development on our part. (The Canadian Branch managers are encouraging but the American head offices are very cautious). I am certain that if we could prove up 200,000 tons or better, that we would have a viable enterprise. From what I can learn, the main barite supply to the western Canadian market right now is from Battle Mountain, Nevada. There is only one Canadian Supplier, Mountain Minerals.

Our plan therefore is to utilize our own resources and abilities and try to determine the extent of the deposit by both drilling and stripping. I have personally traced the occurrence of the showing over a distance of some 2,000 feet. You will note from the enclosed informal report prepared by the retired Kimberley geologist, that there is indication of 200,000 tons and the possibility of 2,000,000 in the fault. Also, you will note from the assaying reports and analysis that we have excellent grade.

We therefore, solicit whatever assistance your department can give in aiding with this venture. We would like to get started as early as possible. If successful, we might well be able to establish a useful industry in our valley.

Yours very truly,
MILLBEAR HOLDINGS,
per:

Alan R. Miller MILLER



DEPARTMENT OF MINES AND PETROLEUM RESOURCES
MINERAL RESOURCES BRANCH
INSPECTION AND ENGINEERING DIVISION

NOTICE OF WORK ON A MINERAL PROPERTY

(Pursuant to section 10, Mines Regulation Act)

This form is to be completed by all companies or individuals carrying out exploration work one month prior to commencement of work and one week prior to cessation of work. Keep one copy and forward one copy to the District Inspector of Mines.

1. NAME OF PROPERTY: HAT CLAIMS

Number of claims 1 - (6 UNITS) Principal Claim Group 16065-17370

2. LOCATION: Mining Division GOLDEN NTS Map Sheet (e.g., 82E/9E) GSC MAP 1326A - 82K EAST BRULE - NOW PART LRELK.

Lat. N50° 30' Long. W116° 17' Locality and Access GOLDEN DISTRICT - (BOLDER CREEK)

3. OWNER: Name HAROLD E. BEARLAM Free Miner's Cert. No. 154810
ALLEN R. MILLER

Address _____ City P.O. Box 938 - INVERMERE Prov. B.C.

4. OPERATOR: Name _____ Free Miner's Cert. No. _____

Address _____ City _____ Prov. _____

Postal Code _____ Telephone No. _____

5. DURATION OF EXPLORATION WORK: From JULY 1/78 to NOV. 15/78

6. DATE WORK COMPLETED (report of closing only): _____ 19____

7. APPROXIMATE NUMBER OF MEN EMPLOYED: 6

8. EXPLORATION WORK: Indicate PROPOSED or COMPLETED - use metric measure (1 metre = 3.3 feet)

Geophysical _____ Geochemical _____

Linecutting (distance, width, method) 5 KM

Drilling - No. of Sites PROPOSED - (3) Total area 5300 square metres

Road Construction - Length 7000 metres Width 6 metres

Underground Exploration NOT PLANNED AT THIS TIME. (type)

Total Area:
Trenching _____ square metres Stripping 1500 square metres

Test Pitting 400 square metres Other _____ square metres

Work by self or contractor (Name) SELF - WITH SUB-CONTRACTORS.

NOTE: Owner is responsible for ensuring the Contractor complies with pertinent regulations (see section 11, Mines Regulation Act).

9. DATE FOREST SERVICE ADVISED BY OPERATOR: WILL ADVISE PRIOR TO COMMENCEMENT.

Name and Title of Forest Official G.H. CARTWRIGHT - DISTRICT FOREST WARDEN.

Address INVERMERE, B.C.

NOTICE

- A. Pursuant to section 11, sub-section (18) of the Mines Regulation Act - 'Where mechanical equipment is likely to disturb the surface of the land in clearing, stripping, trenching or such other operations as the Chief Inspector may consider likely to cause significant disturbance of the surface of the land, the Chief Inspector may require a Reclamation Permit.' If there is a surface disturbance, complete back of this form, 'Application for Reclamation Permit.'
- B. Where timber is to be cut, a 'Free Use Permit' or 'Licence to Cut' is required from the Forest Service.

SIGNATURE OF APPLICANT Allen R. Miller - HOLLIS BARR HOLDINGS. TITLE MANAGER.

Print Name ALLEN R. MILLER DATE June 23/78.



DEPARTMENT OF MINES AND PETROLEUM RESOURCES
 MINERAL RESOURCES BRANCH
 INSPECTION AND ENGINEERING DIVISION

APPLICATION FOR A RECLAMATION PERMIT

(Pursuant to section 11, Mines Regulation Act)

The following is to be completed when applying for a Reclamation Permit or when reporting work to be done under General Reclamation Permits. When reporting on work done, see instructions at bottom of page. For recommendations on reclamation and environmental control procedures see booklet entitled *Guidelines for Coal and Mineral Exploration*, available at the office of the District Mining Inspector.

PERMIT NO. MX _____

1. INDICATE APPROPRIATE DESIGNATION

Application for Reclamation Permit

Work to be done under General Reclamation Permit

2. PRESENT STATE OF LAND ON WHICH EXPLORATION WILL BE DONE (Note on 1:50,000 map.)

Present land use (ranching, timber, etc.) _____

Type of vegetation _____

Access roads (present use and condition) _____

Campsites, old workings (location, condition) _____

3. DETAILS OF PROPOSED SURFACE WORK (Note on attached sketch plan with boundaries of claim.)

Roads: Total length	<u>7000</u> metres	Total disturbed area	<u>42,000</u> square metres
Test Pits: Total No.	_____	Total disturbed area	<u>400</u> square metres
Trenches: Total No.	_____	Total disturbed area	_____ square metres
Drill Sites: Total No.	<u>3</u>	Total disturbed area	<u>5,500</u> square metres
Camp Sites: Total No.	_____	Total disturbed area	_____ square metres
Other Disturbed Areas:	<u>Stripping</u>	Total disturbed area	<u>8,500</u> square metres
Total Disturbed Areas:		Total disturbed area	<u>57,400</u> square metres
		Total disturbed area	<u>5.3</u> hectares

(1 metre = 3.3 feet 1 hectare = 10 000 square metres)

4. EQUIPMENT TO BE USED (List size, capacity, number.)

(a) _____ (d) _____
 (b) _____ (e) _____
 (c) _____ (f) _____

5. SIGNATURE OF APPLICANT _____ Date _____

FOR DISTRICT OFFICE USE ONLY

Date of Notification of Government Agencies: SENT JUNE 30/78

Forestry N.A.

Fish and Wildlife N.A.

Water Resources N.A.

Lands N.A.

COMMENTS: _____

RECLAMATION PERMIT: Required Not Required

Bonding Recommended, Terms and Conditions: IT IS THOUGHT THAT THIS IS A SUBSTANTIAL PROSPECT, AND BONDING WILL BE REQUIRED

Bill

FOR VICTORIA RECLAMATION OFFICE (Copy to District)

Bonding required: _____

Bonding received: _____

Date approved: _____ Date permit issued: _____

NOTE: At year-end all surface and reclamation work which has been done should be reported to the District Inspector. Submit a one-page report which describes field work in detail under the following headings: roads, trenches, drill sites, camp sites, seeds and fertilizers used, slash abatement, other. Note on a copy of the 1:50,000 NTS map and on a copy of the Site Plan where work done has varied from that which was proposed in the 'Notice of Work' or on this 'Application.' See the 1976 Reclamation Guidelines for a sample of a one-page work report.



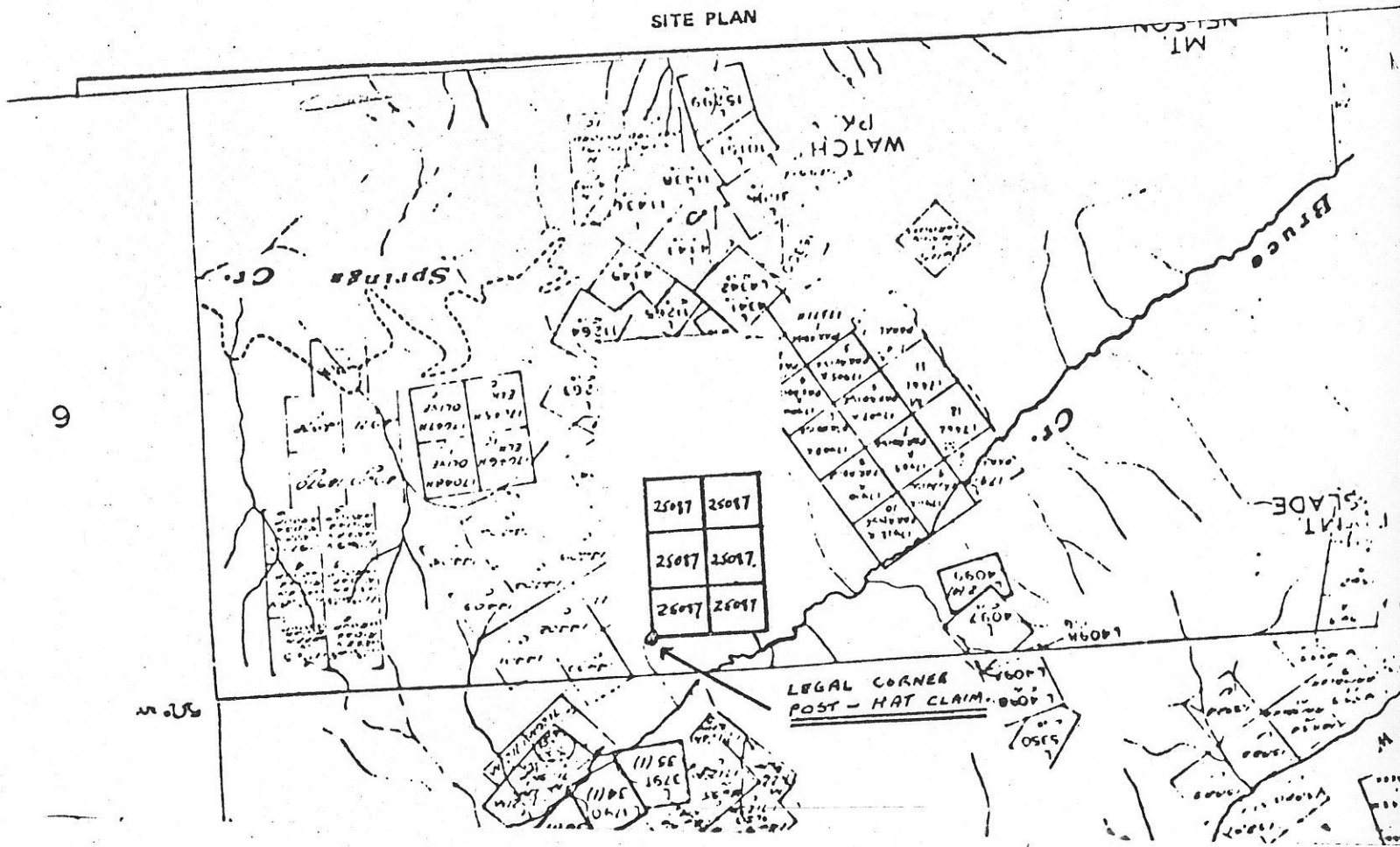
THE GOVERNMENT OF
THE PROVINCE OF BRITISH COLUMBIA

DEPARTMENT OF MINES AND PETROLEUM RESOURCES

MINERAL RESOURCES BRANCH

INSPECTION AND ENGINEERING DIVISION

SITE PLAN



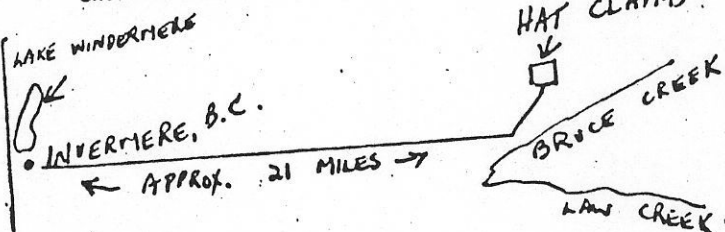
INDICATE:

Claim boundaries, permanent watercourses, access road and distance to nearest town, proposed roads, test pits, trenches, ground slope at trenches, drill sites, and camp sites.

NORTH
↓

LOCATION MAP

Show nearest town and access road.



Highway →
No 93/95

Name of property HAT CLAIM

Claim No. 16065-173370

Owner H. BEARNHAM - A. MILLER

Date June 23/70

File No. _____