UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
WASHINGTON 25, D. C.

JUN 1 9 1961

Messrs Carl Brungardt and
Herman Smith
1012 E. 4th Street
Loveland, Colorado

Re: OME-6134

Gentlemen:

Your application for exploration assistance, dated June 12, 1961, submitted to our office has been assigned Docket Number OME-6134. Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Allen S. Daken, Chief
Division of Administrative
Management

Copy to Region III

OME
DEPARTMENT OF THE INTERIOR

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MME Form 40
Dec. 1958

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

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

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.)*

Carl Brungardt
and
Herman Smith

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: OME-6134

DATE RECEIVED: 6-19-61

REGION: III

DIVISION CODE: 500

BUSINESS ORGANIZATION *(Check one)*

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

STATE IN WHICH FIRM IS ORGANIZED _____

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	~~TITLE~~
Carl Brungardt	1012 E. 4th St., Loveland, Colo.	Partner
Herman Smith	Berthoud, Colo. Box 126	

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Beryl, Tantalite--Columbite, Mica

ESTIMATED COST OF PROJECT: $ 52,000 1st. Alt.--$16,950

PROPERTY NAME	LOCATION COUNTY	STATE
Mona #9	Larimer	Colo.

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 four 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.

June 12-1961
DATED

Carl Brungardt
BY *(Signature)*

Partner
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 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. 50399

INFORMATION REQUIRED WITH OME APPLICATION

1. Financial Eligibility:
   a. The applicants, Mr. Herman Smith of Berthoud Colorado, and Mr. Carl Brumgardt of Loveland Colorado, are partners in a mining and exploration project which they have been working on for the past year. This project consists of exploring a pegmatite dyke for beryl and associated minerals and involves the use of equipment such as air-compressors, air-drills, bulldozers, etc. A considerable amount of exploratory work has been done, all of which has been financed by the partners without outside assistance. Results of their work indicate that further exploration is justified. However the expense of continuing is more than they can afford. They have not sought outside financing from banks or other sources because they feel that they would rather not continue exploration than go in debt to a financial institution. They do feel, however, that they can afford to share one half of the expense of the proposed exploration as set forth in this application.

   b. No outside affiliations.

   c. Furnish all necessary equipment such as compressor, air-drilling equipment, bulldozer, etc., and a share of other expenses.

2. Applicants Rights In The Land:
   a. Owners by right of discovery of the mineral rights of one standard size unpatented mining lode claim, Mona #9. No encumberances.

   b. The claim is located in the Crystal Mountain Mining District, Sec.22 T7N, R72W, Larimer County, Colorado.
   This claim was recorded as Mona #9 in the county courthouse at Fort Collins, Colorado on April 5, 1960 in Book 1114, page 71.
   Affidavit of value of labor and improvements was recorded September 15, 1960 in Book 1124, page 583.
   Metes and bounds;
   Corner No.1 is 1500 feet north of $\frac{1}{4}$ Sec. corner Sec. 21-22.
   From corner No.1 600 ft. E. to corner No.2, thence 1500 ft. S. to corner No.3, thence 600 ft. W. to corner No.4 and thence 1500 ft. N. to corner No.1. 20 acres.

   c. The land is in Government Forrest Reserve, no encumberances, hence no Lien nor Subordination Agreements. Roosevelt Nat'l Forest

3. Physical Description:
   a. Beryl crystals were first discovered along the outcrop of a pegmatite dyke where it was exposed at its highest point. Mining and exploration was done as a quarrying operation endeavoring to determine the size of the dyke and the extent of beryl mineralization. Drilling, blasting, and removing broken rock with a bulldozer was the method of operation. Approximately 1500 cu.yds. of broken rock were removed, leaving a side-hill pit approximately 30 ft. wide and 150 ft. long, and 25 ft. below the original outcrop. See sketch No.1

   b. Operations of (a) were done entirely by the applicants.

3. Physical Description (cont'd)

c. Production from operations (a) and (b) consisted of 2318 lbs. of beryl crystals which were shipped to the Government Buying Station at Custer, South Dakota, May 17, 1961. (See settlement sheet attached) In addition to these hand-cobbed crystals there are many beryl crystals that can be seen in the large boulders on the dump but that need cobbing or milling to recover.

d. No estimate was made of ore reserves because the limits of the pegmatite and the amount of beryl crystals contained have not been completely explored. Grab samples varying from 0 to 14.0% Beo were taken but did not represent any definite tonnage. During operations (a) visual examination for beryl crystals was the guide used.

e. The principal feature of the property is the pegmatite being explored. This pegmatite is similar to hundreds of others in the district and is composed of quartz, feldspar, and mica, with beryl, tantalite-columbite, and some lithia minerals in minor amounts.
The exposed part of the dyke is bounded on the east by schist with quartz showing along the contact. The other boundaries have not been uncovered enough to determine the size of the dyke nor the kind of formation in contact on the west. There is some zoning of beryl crystals but as a whole the pegmatite appears homogenous.

f. From the work done in 3(a) it appeared that this pegmatite contained more beryl crystals than the average dyke in the district. Besides the large crystals recovered and shipped there are numerous smaller crystals that could be recovered by mill concentration. Mica could also be recovered in a milling operation. Indications are that beryl mineralization continues downward from the bottom of the present workings. It is therefore believed that with further exploration sufficient ore will be developed to warrant mining for beryl and mica.

g. U.S.G.S. Bulletin 1011, Pegmatitites of the Crystal Mountain District Laramer County, Colorado by Wm. R. Thurston describes the general area with details of several pegmatites. Most of the area described lies on the south side ofCrystal Mountain whereas the pegmatite herein described lies on the north side. However, the general characteristics appear to be the same on both sides.
Since this Bulletin 1011 is a fairly good sized book describing 1300 pegmatites in the area no copies of it are enclosed. No assay maps, engineering reports, or technical information other than that written in this application are available.

4. Accessibility of Property:

a. To aid anyone who may want to examine the property contact should be made with Mr. Carl Brungardt, 1012 E.4th St., Loveland, Colorado. The property, lying 35 miles west of Loveland, Colo., can be reached by 15 miles of oiled road, 18 miles of winding gravel road - up Buckhorn Creek - and terminated by about 2 miles of bulldozed road (accessible by Jeep).

4. Accessibility of Property:
   b. Shipping and supply points are either Loveland or Fort Collins which are equally distant from the property.

5. Exploration Work:
   a. It is proposed to explore the pegmatite by extending the present pit downward 50 ft. more as shown in Sketch No. 1 . The present pit was started as a cut from the outcrop where beryl crystals were first discovered. By quarrying methods the cut was extended along the pegmatite for 150 feet with the width increasing with depth until the present floor of the cut, or pit, measures 25 ft. wide and 26 feet below the original outcrop. In this operation approximately 1500 yards of rock were blasted and pushed over the edge of the pit forming the present dump. Since this work has shown beryl crystals throughout it is proposed to explore in a similar manner downward 50 ft. with a pit about 150 ft. along, and an estimated 50 ft. across, the pegmatite. This pit would contain approximately 13,800 cu.yds. of rock. It is believed that such a pit will explore the pegmatite much better than core drilling, trenching, or shaft sinking as described in Bulletin No.1011. It would also help determine the feasibility of carrying on mining operations after the exploration work is completed.
   See alternate proposal page 5
   b. About two miles of access road were built in 1960 with a bulldozer. This road is still passable.
   c. If an OME contract is executed, work will start in 10 days and be completed in approximately 3 months. It is expected that about 150 yards of broken rock will be moved per day.

6. Experience:
   a. The applicants have had many years of mining experience. The work done, as described in 5.(a), as well as similar work on other nearby claims was all performed by the applicants. One or both of the applicants will supervise the work.

7. Estimate of Costs:
   a. It is believed that the exploratory work as described in 5(a) can be done best by an independent contractor similar to contracts on road building projects. Several contractors were asked to submit bids on the cost per yard for drilling, blasting, and removing approximately 13,000 yards of rock. Two bids were received and are attached. The lower of the two is $4.38 per cu. yd.
   The applicants propose to do the work for $4.00 per yd. by contract and enclose their bid for consideration. In submitting their bid of $4.00 per cu. yd. the applicants propose to furnish all equipment, materials, supplies, labor, and supervision as their share toward a 50% loan from OME. Outside expenses of a consultant, accountant, and the assaying of samples will be separate from the contract and one-half paid for by the applicants.

7. Estimates of Costs:

b. The services of an outside consultant are available locally for $100 per week.
The services of an accountant are available locally for $50 per month.
The applicants have access to a Berylometer for assaying samples for beryl at $3 each. It is estimated that 250 samples will be taken during the proposed exploration project - total cost, $750

c,d,e,f,&g. None.

b. Exploration Work

a. Alternate Proposal:

Instead of enlarging the present pit as described in 5a. a cheaper, and probably equally effective, method of exploring the pegmatite would be to cross-cut the dyke in three places - 100 feet apart as illustrated in Sketch No.2.

Each cross-cut would start from the floor of the present pit and work downward 50 feet. Starting at a width of 15 ft. each cut would gradually narrow to 8 ft. at the bottom thus make a cut averaging 11.5 ft. wide and 37.5 ft. long and 50 ft. deep, or a total of 800 cu. yds. of rock per cut; three cuts would remove 2400 cu. yds. Since working a narrow cut is more cramped for equipment than a large open-cut it would be more expensive per yard, therefore it is estimated that $6 per cu. yd. would cover the cost - a total of $14,400.

By core drilling into the east wall from the floor of the present pit at a 45° angle the outline of the pegmatite could be determined in that direction. It is estimated that three 100 ft. holes could be drilled at $8.50 per ft. or $2550 for core-drilling.

Three cross-cuts and three core-drills would total $16,950 and would adequately explore the pegmatite.

3 copies

CHAPMAN, WOOD AND GRISWOLD

MINING ENGINEERS AND GEOLOGISTS

500 JEFFERSON STREET, N.E.

ALBUQUERQUE, NEW MEXICO

LABORATORY DIVISION ASSAY CERTIFICATE

Post Office Box 1961
Telephone Alpine 0-1070
Cable Address CHAPWOLD

[illegible] Airport
Box 1[illegible]
[illegible], South Dakota

No. [illegible]

Date [illegible]

DESCRIPTION OF SAMPLE	No. 5						
[illegible]	21.47						

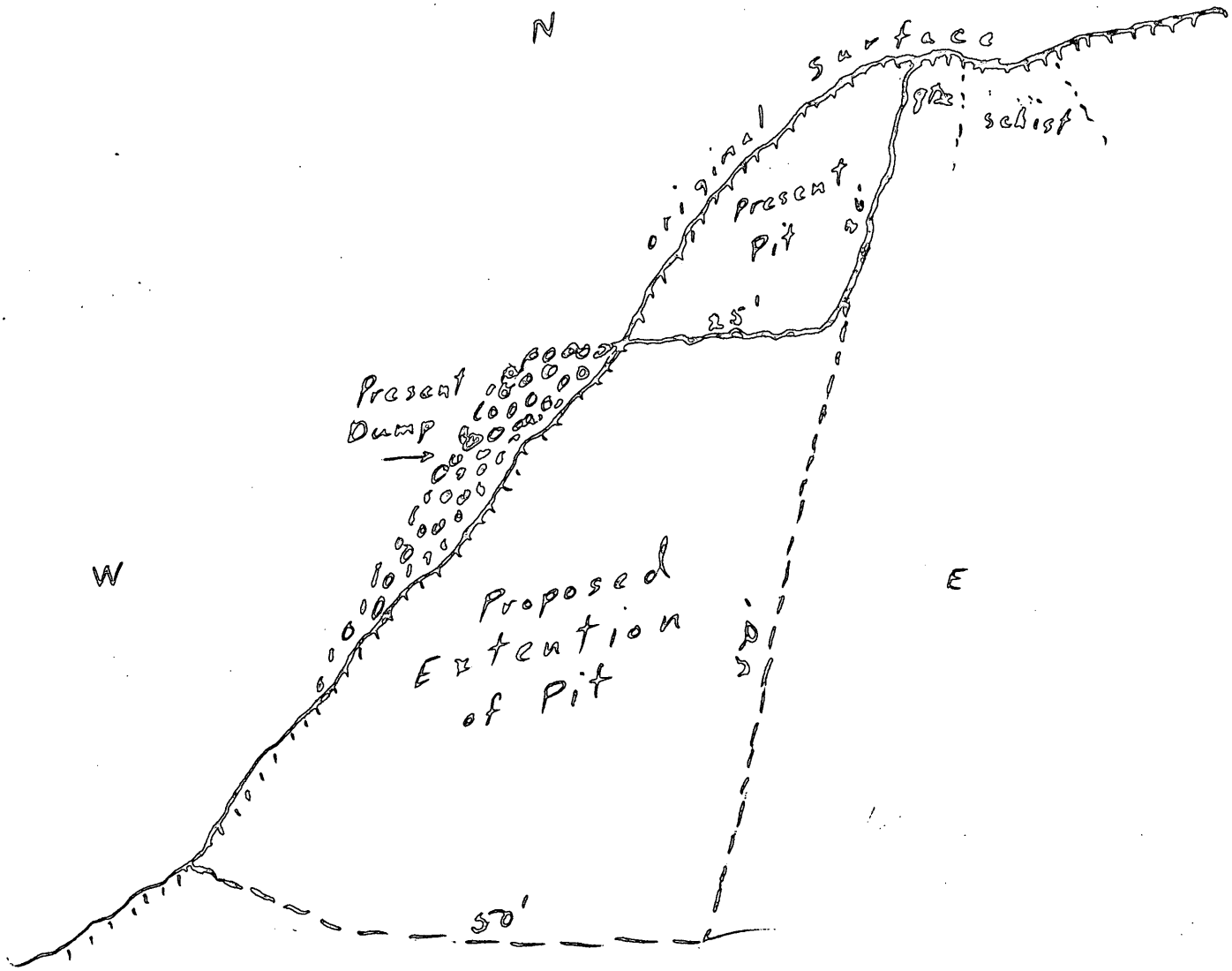
Sample of shipment of 2,318 lbs.

Chemist [illegible]

Charges

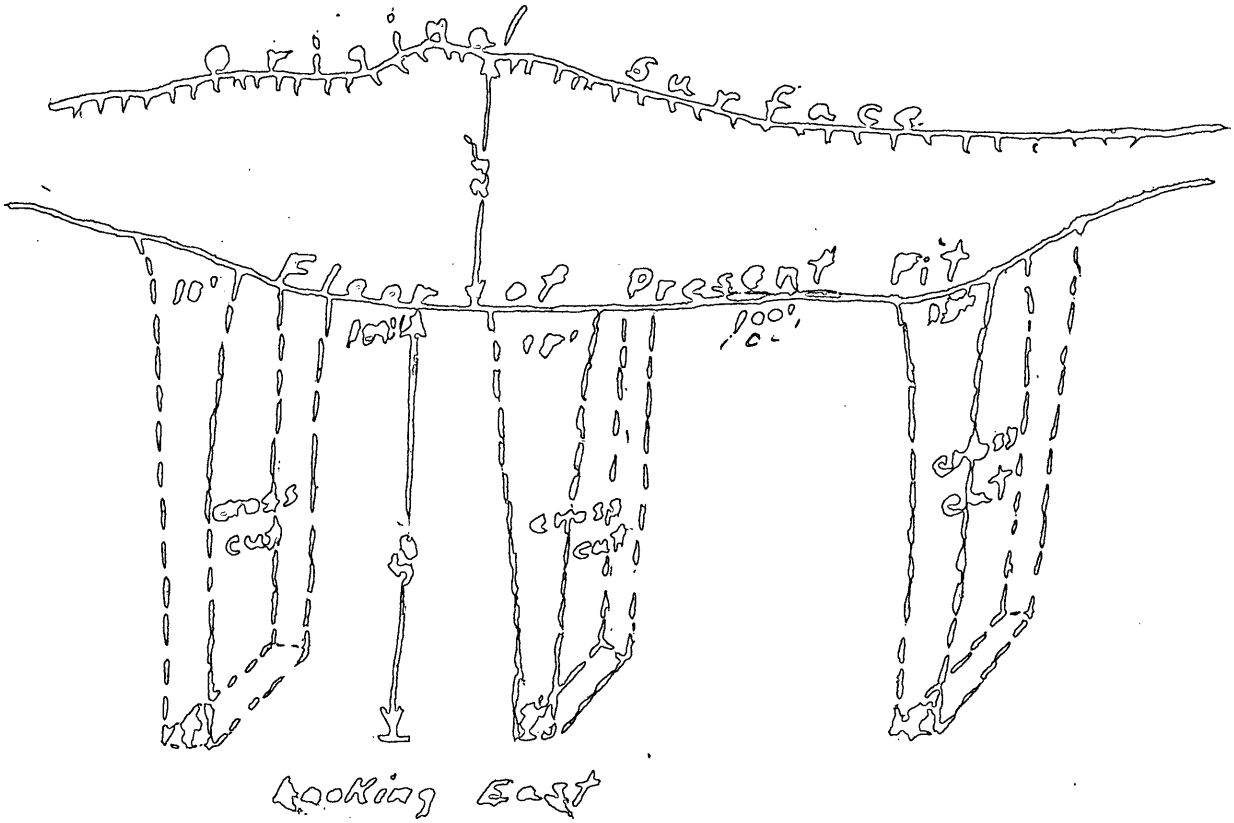
3 copies

Sketch No. 1

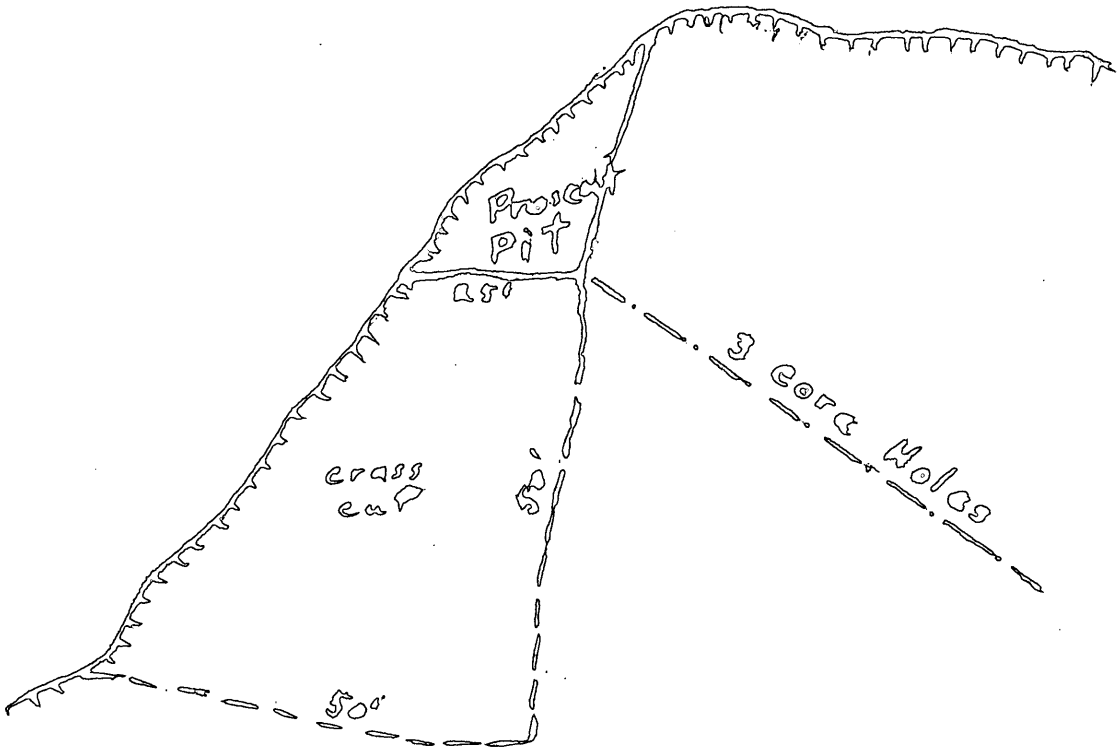


3 copies

Sketch No 2
Alternate Proposal



Looking East



Looking North

3 copies

GENERAL SERVICES ADMINISTRATION

RECEIVING AND INSPECTION REPORT

PROJECT NO.	CONTRACTOR'S NAME	REPORT NO.
		[illegible]

RECEIVED AT	[illegible] Oakland, [illegible]
DATE OF RECEIPT	[illegible]
RECEIVED FROM (Vendor)	[illegible]
PURCHASE ORDER NO.	

FREIGHT CAR NO.	FREIGHT INVOICE NO.	AMOUNT OF FREIGHT	EXPRESSAGE	POSTAGE	TRUCK LICENSE NO.

CHECK (✓)	QUANTITY	UNIT	SIZE	DESCRIPTION	PASSED ON INVOICE
				[illegible]	
				[illegible]	
				[illegible]	
				[illegible]	
				[illegible]	
				Assay - 11.47 % Pec	
				[illegible]	
				[illegible]	
				[illegible]	
				[illegible]	
				[illegible]	
				[illegible]	
				[illegible]	

CHECKED BY (Government representative)
[illegible]

RECEIVED BY (Contractor's representative)
[illegible]

GSA-WASH DC 53-8697

GSA FORM CP-16
AUGUST [illegible]

EARL J. WEHRER
1516 Ru-Art Drive
Phone NOrmandy 7-4790

RICHARD J. ASNICAR
1520 Ru-Art Drive
Phone NOrmandy 7-4161

Loveland Excavating Co.

Landleveling - Dragline - Shovel Work

P. O. BOX 629
BUSINESS OFFICE 1227 W. 8th
PHONE NOrmandy 7-1238
LOVELAND, COLORADO

April 26, 1961

Messrs. Herman Smith and Carl Brungardt

Loveland, Colorado

RE; BID--Moving Rock on Mona #9 Mining Claim,
on Upper Buckhorn, Crystal Mountain
Mining District, Colorado

Gentlemen:

We will move approximately 13,000 Cubic Yards of Rock on Mona

#9 Mining Claim, Crystal Mountain Mining District, Colorado

for Four - - - - - - - - - - - - - - - - - - and 38/100 Dollars $4.38 Per Cu. Yd.

LOVELAND EXCAVATING COMPANY

By Earl J Wehrer

EXCAVATION BID

To: Carl Brungardt and Herman Smith

Excavation on mining claim Mona No. 9, in upper Buchhorn region, Crystal Mountain mining district.

Excavation approximately 13,000 cu. yds. of rock @ $4.50 per cu. yds.

Coulson Excavating Co.

By C. H. Coulson

Rt. 1, Box 273
Loveland, Colorado