MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE Contract No. _____ Docket No. 6716

Application
- [x] Denied
- [ ] Withdrawn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
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and Attachments

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

OFFICIAL
COPY
O. M. E.
RECEIVED
APR 22 1968
INITIALS | CODE

April 15, 1968

Mr. Frank Johnson, Chief
Office of Mineral Exploration
Department of the Interior
Washington, D. C.

Dear Mr. Johnson;

We have taken your advice and have had additional trenches dug on our property near Halloran Springs. The results of this effort were very rewarding as we have outlined a much larger area containing significant geochemical anomalies in silver, cobalt, copper and molybdenum as well as exposing mineralized zones throughout the area. It now appears probable that a large low grade deposit lies under the claims and also that there is potential for good high grade deposits at depth.

We have also contacted Geonics Inc. a Los Angeles based geophysical surveying company and D. P. Williams of that company visited the property. They have since submitted a proposal to us for a development program on the property.

Since we have obtained numerous silver anomalies we feel that an OME loan for 75% of the costs of the program would be justified since significant values in silver should be obtained from ore in the area.

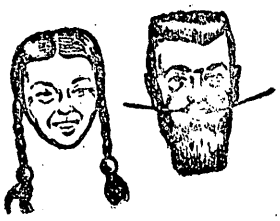
Enclosed is the loan application and the necessary supporting documentation. It is our hope that this loan can be processed in a timely manner.

Yours truly,
Bee and Dick Huff

Richard D. Huff

Beatrice E. Huff

Nipton, California



MME Form 40
Jan. 65

Budget Bureau No. 42-R1508
Approval expires Dec. 31, 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY O. M. E. RECEIVED APR 22 1968 INITIALS CODE

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.)*

Richard D. and Beatrice E. Huff

Qmo Mining Co.

Nipton, Ca. 92366

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6916

DATE RECEIVED 4/22/68

REGION II

DIVISION CODE

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

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE
silver, cobalt, copper, molybdenum

ESTIMATED COST OF PROJECT
$ 17,375.00

PROPERTY NAME	LOCATION COUNTY	STATE
Whir	San Bernardino	Calif.

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, D.C., or with the nearest OME Field Office.~~ 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.

4-17-68
DATED

Richard D Huff
Beatrice E Huff
BY *(Signature)*

owner of property
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).]

APPLICATION FOR FINANCIAL ASSISTANCE IN
MINERAL EXPLORATION

1. Financial Eligibility
   (a) Enclosed are copies of letters to the Bank of America, with whom we do business, and the Security First National Bank and their replies regarding a loan to perform the exploration work proposed in this application.

   (b) Not applicable

   (c) We have $4,343.75 in the Qmo Mining Company account in the Security First National Bank, Barstow, California, which would be matching funds for a loan for $13,031.75 for silver exploration on this property.

2. Applicants Rights in Land
   (a) The applicant is the original locators of the unpatented claims upon which the work will be performed. An 18½% interest in the property has been sold to limited partners to finance earlier work and to raise the funds necessary to match this OME loan.

   (b) The legal description of the claims are as follows: We have 18 claims in Section 1 and 2; Twp 15N Range 10E.
   Rust 1 thru 7 located February 24, 1964
   (Hat 1 thru 7) these have been relocated March 25, 1968 due to the discovery of error in description.
   An 1 and 2 located November 4, 1966
   An 5 and 6 located November 4, 1966

   We have 18 claims in Section 35 and 34, Twp 16N Range 10E.
   Iron 1 thru 7 located February 24, 1964
   An 3 and 4 located November 4, 1966
   IP 1 thru 9 located June 7, 1967
   (see plat map).

   (c) Not applicable

3. Physical Description:

   (a) A geophysical reconnaissance by Heinrich, Tucson Arizona. (1 copy enclosed - and you have a copy in your files). The applicants have 25 bulldozed pits plus 24 trenches that have been sampled and assayed. There are no existing mine workings or production facilities.

   (b) The work described in 3(a) was performed by the applicant.

3.

(c) There has been no production.

(d) Not applicable

(e) The basic geology is a series of intrusions of small quartz monzonite stocks. These have been intruded into a precambrian system of gneiss and minor amounts of limestone. The only good exposure of the alteration zone occurs in the immediate vicinity of Station 4, line 4 of the Heinrich Geophysical report. Bulldozing and trenching indicates extensive mineralization ie. chrysocolla and copper pitch that contains some cobalt. The silver mineral (Bromyrite ?) is visible in this area. Molybdenum is present geochemically but is not visible. The silver is present universally, but in very small amounts. Enclosed find description of the most recent trenches. Enclosed find another plat showing original work done on molybdenum, copper and silver. A copy of this plat is in your files. The type of deposit appears to be an extensive altered zone without visible structure with the feldspars altered to serecite, montmorillonite, kaolin, etc. Quartz as such is a minor constituent.

(f) The geological setting plus the results of the preliminary I.P. investigation and the pervasive silver, molybdenum, copper and cobalt mineralization indicates a strong probability of finding an extensive, low grade open pit type of operation. Mineralization has been exposed over a large area in dozer cuts. Samples have been taken from depths of 4 to 6 feet from the surface of the excavations described in 3(a). They were crushed when necessary from areas of obvious mineralization and alteration and screened thru an 80 mesh screen. Trace analysis were performed on the samples with anomalous values for silver, copper, molybdenum and cobalt found. Copies of the assays are enclosed.

(g) 1 Copy Geoex - Heinrichs Geophysical I.P. (you have one on file).
2 Copies of the assays of samples from the trenches and a description of the samples.
2 Copies of plat maps showing the location of the trenches.
1 Copy of Heinrich Geoex Exploration program (you have a duplicate in your files).
2 Copies of Exploration program proposed by Geonics Incorporated.

4. Accessibility of Property

   (a) Applicant will show property to OME representative. The property is located approximately 12 miles NE of Baker, California. The exact location can be obtained from the map enclosed in the pocket of the Geonics proposal.

   (b) The nearest railhead is at Barstow, California a distance of approximately 75 miles from the property.

5. Exploration work

   (a) See Geonics proposal

   (b) Not applicable

   (c) See Geonics proposal. The time schedule could be modified if OME approval would be required between the geophysical survey and the drilling program.

6. Experience

   The work will be entirely subcontracted to Geonics Incorporated. Resumes' of the principal persons involved in the contract are enclosed in the Geonics proposal.

7. Estimate of Costs: Please refer to report of Geonics Inc.

   (a) See Geonics proposal

   (b) See Geonics proposal

   (c) Does not apply

   (d) See Geonics proposal

   (e) Does not apply

   (f) Does not apply

   (g) See Geonics proposal

Richard D. and Beatrice E. Huff

Nipton, California - - 92366
(no telephone)

SECURITY FIRST NATIONAL BANK

BARSTOW BRANCH, 239 EAST MAIN STREET, BARSTOW, CALIFORNIA · (714) 256-5691

MAILING ADDRESS: POST OFFICE BOX 728, BARSTOW, CALIFORNIA 92311

April 18, 1968

To Whom It May Concern:

At the request of Richard D. and Bernice E. Huff, we hereby verify that the balance of the QMO Mining Company commercial checking account is $5,359.25, as of April 18, 1968.

Don J. Rosenbrock
Operations Officer

Cable Address — BANKAMERICA

Bank of America
NATIONAL TRUST AND SAVINGS ASSOCIATION

BARSTOW BRANCH • P. O. BOX 607 • BARSTOW, CALIFORNIA 92311

April 1, 1968

Mr. R. D. Huff
Nipton, California

Re: Loan Request

Dear Mr. Huff:

We are not in a position to grant a loan of $17,375.00 to be used for exploratory cost. It is considered too speculative and not in keeping with banking policies.

Sincerely,

W. W. Hastings
Assistant Manager

WWH:mk

3-28-68

Bank of America,
Barstow, California. 92311

Dear Sirs:

We want a loan in the amount of $17,375.00 for exploration work on our Wnir property which consists of 36 claims -- a bit more than one square mile.

We have anomalies in Copper, Silver, Moly, and Cobalt and an I.P. we had run some times ago indicates that the sulfides go 500' and deeper.

The money would be spent as follows:

Ten Lines North South at $650.00 mi Induced Polarization- selfpotential Manetometer	7,150.00
Dozer work - D.8 Drill site proparation roads @30.00 an hour $200 move in fee	800.00
Assays 500 Atomic absorption Spectrophotomer Copper, Ag, Au, Mo at $6.00 a group.	300.00
25 assays at $9.00 a group	225.00
Core logging, drilling supervision	1,000.00
Drilling 1,500 feet at 5.00 a foot plus move in charge of 1 dollar a mile assume 400' Miles	400.00
	$17,375.00

This work is to be done by The Geonics Incorporated P. O. Box 60161 Terminal annex Los Angles California 90060 Don Williams - President.

We hope you can see your way clear to offer us this money

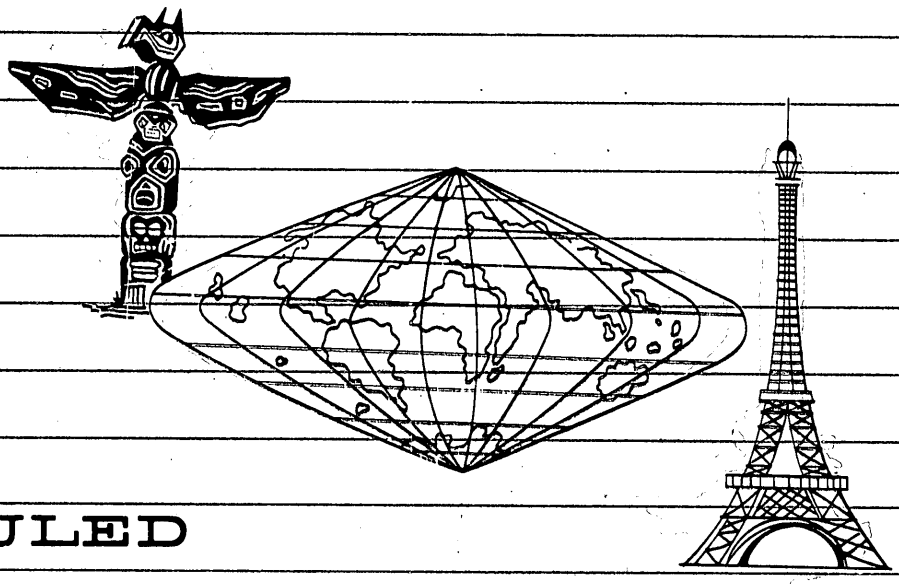
Thank you.

Richard D. and Beatrice E. Huff

Nipton, California.

EMPIRE

49c



WIDE RULED

FILLER PAPER

NO. 1312

86 SHEETS

A PRODUCT OF Westab DAYTON 2, OHIO

SECURITY FIRST NATIONAL BANK

BARSTOW BRANCH, 239 EAST MAIN STREET, BARSTOW, CALIFORNIA · (714) 256-5691

MAILING ADDRESS: POST OFFICE BOX 728, BARSTOW, CALIFORNIA 92311

April 3, 1968

Richard D. & Beatrice Huff
Nipton, California

Dear Mr. and Mrs. Huff:

This is to advise you that we will be unable to grant your loan request in the amount of $17,375.00.

Our decision is based upon our analysis of your financial condition and the term of repayment that you have requested.

We wish to express our appreciation for you considering our bank for your loan request, and hope that we may be of service to you in the future.

Sincerely,

Thomas B. Hunt
Manager

TBH:jj

3-28-68

Thomas B. Hunt, Manager,
Security First National Bank,
Barstow, California.

Dear Mr. Hunt:

We want a loan in the amount of $17,375.00 which is to be used as follows:

Induced Polarization - Self-potential Magnetometer ten lines North-south at $650.00 Mi		7,150.00
Dozer Work - D 8 Drill site preparation roads @30.00 an hour $200 Move in fee	800.00	
Assays		
50 Atomic Absorption Spectrophotometer Cu, Ag, Au Mo at $6.00 a group	300.00	
25 Assays at 9.00 a group	225.00	
Core logging, drilling supervision	1,000.00	
Drilling. 1,500 feet at $5.00 a foot	7,500.00	
plus move-in Chare of 1 Dollar a mill assume 400.Miles	400.00	
Total	$ 17,375.00	

This work is to be done on 36 claims belonging to The Omo Mining Company -(Richard D. and Beatrice E. Huff) . The Geonics Incorporated will do this work, for us. P. O. Box 60161, Terminal Annex, Los Angles, California 90060

We have had an I.P.run on this property and it shows that the sulphides go down 500' and more. It is lenses pods and stringers and warrants more work. We have assays that show anomalys of Copper, Silver, Cobalt, and Molybdenum.

3-28-68

We hope you can see your way clear to offer us this money

Richard D. Huff, and Beatrice E. Huff

Nipton, California

Rocky Mountain Geochemical Corporation

P. O. BOX 2217
SALT LAKE CITY, UTAH 84110

Phone 322-2396
Area Code: 801

(1)

CERTIFICATE OF ANALYSES

Date February 12, 1968

Twenty four Trenches

Client Bee & Richard D. Huff
Mountain Pass Mine
Nipton, California 92366

Report on: 24 samples

Submitted by: Bee & Richard Huff

Date Received: February 8, 1968

Analysis: Copper, Molybdenum & Sensitive Silver

Remarks: Molybdenum determined colorimetrically. Copper & silver done by atomic absorption. Job No. 68-3-17

cc: Enc.
file

LRR:ktg

Sample No.	% Copper	Sample No.	% Copper
#2	0.13	#16	0.17
#3	0.52	#18	2.80 ✓
#6	0.86 ✓	#20	0.27
#14	0.36	#21	0.59
#15	0.12	#24	1.25 ✓

All values are reported in parts per million unless specified otherwise. A minus sign (−) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz./ton = 34.28 ppm % Mo x 1.6683 = %MoS_2

Sample No.	ppm Copper	ppm Molybdenum	ppm Silver
600'W, Sta#2 Line N	85	71	-0.1
#2	+1000	33	0.4
#3	+1000	13	-0.1
#4	405	27	-0.1
#5	295	49	-0.1
#6	+1000	32	-0.1
#7	700	55	-0.1
#8	830	27	0.3
#9	650	27	-0.1
#10	230	49	-0.1
#11	745	247	-0.1
#12	330	46	-0.1
#13	530	34	-0.1
#14	+1000	64	-0.1
#15	+1000	86	0.2
#16	+1000	134	0.1
#17	+1500	105	-0.1
#18	+1000	7	0.8
#19	355	64	-0.1
#20	+1000	86	-0.1
#21	+1000	90	-0.1
#22	850	82	-0.1
#23	770	77	-0.1
#24	+1000	43	-0.1

Rocky Mountain Geochemical Corporation By Lawrence R. Reid
Salt Lake City, Utah February 12, 1968

Lawrence R. Reid

(G) Exp 3

Sample #1

Rust #1 - Taken from Discovery Hole

Cobalt 10 PPM 85 PPM Cu - Moly -ppm - 71 Silver - ppm - -0.1

Taken from 5' deep. This is in altered and rusty precambrian gneiss. No structure visible.

Sample #2

Rust #4

Cobalt 85 PPM .13 Percent Cu Moly 33 ppm Silver .4 ppm

Taken from about 3' deep in an altered Gneiss with yellow to red iron rust. No structure visible.

Sample #3

Hand dug hole

Cobalt 10 PPM .52 percent Cu Moly 13 Silver-0.1

In altered granite. The feldspars have been altered to Kaolin, serecite. They have blue, green and black copper Mineralization...On the west side of the hole. The east side of the hole is more intensily altered. Quartz is fairly abundant both side. A few small casts of hemitite after pyrite visible. No predominate structure visible.

Sample #4

Taken from about 2½' deep.

Cobalt 15 PPM 405 ppm Cu Moly 27 ppm Silver -0.1

Decomposed granite. Red, yellow purple and borwn. Quartz in transparant grains. Feldspars altered to kaolin, serecite etc. Impregnated in places with red hemitite.

Sample #5

Taken from about 2½' deep

Cobalt 30 PPM 295 ppm cu 49ppm moly Silver -0.1

This was taken at or near the contact. Serecite impregnated clay grey-brown in color with occasional black copper mineralization. There is also yellow. The only structure you could interpret here would be the contact. The Granitic part has a fair percentage of carsely crystaline glassy quartz.

Sample #6

Taken from 2'

Cobalt 770 PPM .86 percent Cu Moly 32 ppm Silver -o.1

Black copper mineral visible for 25 feet in the bottom of trench Altered and weathered to a clay like consistancy. Precambrian sedementary ? with some granite mixed in quartz minerals. may be derived from quartzite . No structure visible.

Sample #7

Taken from 2½ feet deep

Cobalt 30 PPM 700 ppm Cu Moly 55 ppm Silver -0.1ppm

In an altered porphryetic granite with a small pegmatite quartz in rusion. It is stained with copper oxide. No structure visible. The porphry is grey-borwn in color with feldspar crystals opaque white. Copper mineralization is not visible in this trench.

Sample 8

Taken from 2½ feet deep.

Cobalt 30 PPM 830 ppm Cu Moly 27 ppm Silver .3 ppm.

Serecite fill. Angular fragments in clay matrix. No structure visible -- transported ?

Sample #9

Cobalt 20 PPM 650 ppm Moly 27 ppm Silver -o.1 ppm

This was taken from 18" Granite. 25% quartz. No structure visible. Feldspars stained brown. Copper oxides visible.

Sample #10

Cobalt 15 PPM 230ppm Cu 49 Moly ppm Silver-o.1 ppm

Taken from 18" deep Altered Granite. Red purple in color predominately quartz. Iron stained clay - No structure visible.

Sample 11

Cobalt 65 PPM 745 Cu ppm Moly 247 ppm Silver-0.1 ppm

Taken from 4' deep On the contact - Granite and Gneiss? Gneiss is altered to fine grained grey black Micaceous material. Contact visible. Red, yellow tan color .

Sample #12

Cobalt 20 PPM 330 cu ppm Moly 46 ppm Silver -o.1 ppm

Taken from 3' Iron stained decomposed granite Serecite, clay Iron oxides and pink brown coloration Quartz plentiful.

Sample #13

Cobalt 20 PPM 530 ppm Cu Moly 34 ppm Silver -o.1 ppm

Taken from 18" altered granite gneiss. Black copper mineralization visible . Tan, and red and purple and no structure visible.

Sample 14

Cobalt 690 PPM .46 percent Cu Moly ppm 64 Silver -o.1 ppm

Taken from 4' Granite in contact with dark grey porphry. Shattered. Small amounts of black mica, white crystals of feldspar unaltered. Considerable clay and altteration surrounding porphry boulders . No structure visible.

Sample 15

Cobalt 40 PPM. .12 percent Cuu Moly 86 ppm Silver .2 ppm

Taken from 18" East end of a 40' bulldozed cut. Exposes altered sediments across the full distance. Mica clay and seve al small lenses of hemitite, limenite. No structure visible.

Sample 16

Cobalt 115 PPM .17 percent Cu Moly 134 ppm Silver -o.1 ppm

Taken from 5' Copper mineralization visible 4' sand Original material is obscured Colos visible tan and black.

Sample 17

Cobalt 20 PPM 500 ppm Cu Moly 105 Silver -0.1 ppm

Pinkish purple clay-like material - No structure visible.

Sample 18

Cobalt .23% 2.80 percnet Cu Moly 7 ppm Silver .8 ppm

This is a 75 foot trench. Good copper showing the full distance. Sample out of copper pitch area (West End) included in clay-like intensely altered material. no structure.

Sample 19

Cobalt 15 PPM 355 PPM Cu Moly 64 ppm Silver-0.1ppm

Middle of above trench - no structure visible in this trench.

Sample 20

Cobalt 115 PPM .27 percent Cu 86 Moly Silver -o.1 ppm

East end ove above trench. Altered granite Brown pink and tan mineralization in addition to the black and gree of copper minerals No structure visible.

Sample #21

Cobalt 580 PPM .59 percent Cu Moly 90 Silver -0.1 ppm

Discovery Hole - Five feet deep Copper pitch Chrysocolo visible in a tan and red brown altered granite.

Sample 22 -

Cobalt 25 PPM 85ppm Copper = Moly 82 Ppm Silver -o.1 ppm

Taken from Trench 4' deep 3' of sand. Copper pitch visible - deceminated in 30' of trench of intensely altered material. Original rock type in doubt - tan colored. No structure visible.

Sample 23

Cobalt 25 PPM 770 ppm Cu Moly 77 Silver -0.1 ppm

In bulldozed pit serecite and clay iron oxide hemitite and limonite. Red, yellow purple and white and tan. original rock type in doubt . probably granitic. Copper pitch visible in place but not with sample. No structure visible

Sample 24.

Cobalt ~~24~~ 250 PPM1.25 Cu Moly 43 ppm Silver -0.1

Discovery Hole - Copper pitch, chrsacola quartz in granite matrix. Bleached white around the chrysacola - Tan only around the copper pitch - sample taken from 5'.

ROCKY MOUNTAIN GEOCHEMICAL LABORATORIES

Post Office Box 2217
SALT LAKE CITY, UTAH 84110

Phone 322-2396
Area Code: 801

(1)

CERTIFICATE OF ANALYSES

Date: September 22, 1966

Client: Bee and Dick Huff
Mountain Pass Mine
Nipton, California

Report on: 7 samples

Submitted by: Bee and Dick Huff

Date Received: September, 1966

Analysis: Silver & Molybdenum

Remarks: Silver analyses done by atomic absorption. Molybdenum determined colorimetrically. Sample # Iron # 3, 4 and Rust # 3 contain considerable copper.
cc: ✓Enc.
file

JJJ:kt

Sample No.	Silver	Molybdenum
Iron # 1	1	72
" 2	-1	189
" 3	-1	39
Iron # 4	-1	206
Rust # 2 (tactite)	2	122
Rust # 2	-1	252
Rust # 3	-1	29

By James J. Johnson

James J. Johnson

All values are reported in parts per million unless specified otherwise. A minus sign (—) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

1 ppm = 0.0001% 1 Troy oz./ton = 34.27 ppm % Mo x 1.6683 = % MoS_2

Rocky Mountain Geochemical Corporation

P. O. BOX 2217
SALT LAKE CITY, UTAH 84110

Phone 322-2396
Area Code: 801

CERTIFICATE OF ANALYSES

Date September 12, 1967 (2) **Page** 1 of 1

Client Mr. Richard D. Huff
Mt. Pass Mine
Nipton, California

Report on: 7 samples

Submitted by: Mr. Huff

Date Received: August, 1967

Analysis: U_3O_8 & Silver

Remarks: U_3O_8 determined colorimetrically. Silver done by atomic absorption.

cc: Enc.
file

JJJ:ktg

Uranium a geologist told us this is usual on a copper property.

Sample No.	% U_3O_8	PPM Silver
Qmo Dump	0.0005	1
Copper E. End	0.0010	1
200' S.W. New Cu. Hole	0.0095	1
Iron #2	0.0120	ND
W. End New Cu Hole	0.0060	ND
Red Hole	0.0145	ND
W. Cut lower	0.0095	1

By James J. Johnson

is .01 Anomalous in Silver

All values are reported in parts per million unless specified otherwise. A minus sign (−) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz./ton = 34.28 ppm % Mo x 1.6683 = %MoS_2

16 Pulp Samples. (Letter 7-16-67)

Sample No.	COPPER	MOLYBDENUM	SILVER
QMO #1 Pit	70	3	
QMO #2 Pit	20	10	
QMO #3 Pit	10	12	
QMO #4 Pit	5	-1	
QMO #5 Pit	15	2	
Whir. 600' N of Drill Hole	150	5	
Whir. 600' N of Drill Hole, W	380	21	
Whir. Cu Hole E end	6500	31	-1
Whir. 200' SW New Cu Hole	3800	200	-1
Whir. Iron #2	2800	105	ND
Whir. S. End I.P. Line 4	280	85	ND
Whir. W. End, New Cu Hole	5300	70	ND
Whir. Red Hole	2400	32	
Whir. Red Hole S.E.	375	170	
Whir. W. Cut, Lower Sample	1100	55	1
Whir. W. Cut, Upper Sample	725	45	

See Uranium copy attached

E. A. Johnson

E. A. Johnson

Rocky Mountain Geochemical Corporation

P. O. BOX 2217
SALT LAKE CITY, UTAH 84110

Phone 322-2396
Area Code: 801

CERTIFICATE OF ANALYSES

(1)

Date March 8, 1968

Client Bee & Dick Huff
Nipton, California 92366

Twenty Four
Samples

Report on: 24 samples

Submitted by: Bee & Dick Huff

Date Received: February 29, 1968

Analysis: Cobalt

Remarks: Analyses done by atomic absorption.
Job No. 68-4-37 SL

cc: Enc.
file

LRR:ktg

All values are reported in parts per million unless specified otherwise. A minus sign (−) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz./ton = 34.28 ppm % Mo x 1.6683 = %MoS_2

Sample No.	ppm Cobalt	Sample No.	ppm Cobalt
Sta #2 Line H	10	13	20
2	85	14	690
3	10	15	40
4	15	16	115
5' Disc	30	17	20
6	770	18	+1000=0.23%
7	30	19	15
8	30	20	115
9	20	21	580
10	15	22	25
11	65	23	25
12	20	24	250

Rocky Mountain Geochemical Corporation
Salt Lake City, Utah March 8, 1968

By Lawrence R. Reid

Lawrence R. Reid

Map folder
in next file

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
7/31/68	Peterson	120
7/31/68	Nicholson	120
		110
		220

AIRMAIL

JUL 31 1968

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California 92366

Re: OME-6716 (Cobalt, Copper and Molybdenum)
Mr. and Mrs. R. D. Huff
Whir Property
San Bernardino County, California

Dear Mr. and Mrs. Huff:

Thank you for your letter of July 24 informing us that you expect to obtain exploration assistance from private sources and will not continue with the subject application.

We are, therefore, considering the application as having been withdrawn and are placing it in our inactive file.

If you wish to reopen this case at any time in the future, you may do so by filing a new application, referring to this OME docket number, and furnishing the information pertinent to your new proposal. This information should include new bank letters dated within 90 days of filing the new application, but need not repeat data already submitted.

We wish you success in your venture.

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 II
Mr. Peterson

ECPeterson/bsl 7/31/68

6716

7-24-68

OFFICIAL COPY
O. K. E.
RECEIVED
JUL 29 1968
INITIALS | CODE
~~130~~
gla 120
Dev. 110
cp 120
Copy to R-11

Dear Frank:

We apologize for the delay in writing to you but we wanted everything all tied up in red ribbons, - but things never do arrive at a position of no loose strings do they?

When you instructed us to tell Geonics where they were going to drill, they told us that it would be necessary for an intensive I.P. work around the Oxide outcrops.

It took some time before they could get free to do this work and finally they were on the property. This work by geonics shows wonderful structure thatfits in with the deeper penetrating Heinrichs report *

They used a dual frequency polarization method with a pole dipole array on 100 foot centers. Their penetrations were just reaching in places anomous sulphide that coincided with Heinrichs* They assume a depth of 500'. Cypress doubts that it is that deep and so do I.

*The mystery to us of Heinrichs report as been solved. Anumber of Geologists (Geophysists) have studied it with great puzzlement. Among the frustrated solutions comes one I like. Four different students worked the intrepretation of the the 4 lines and not one of the geologists agreed with their intrepretation They say it goes down to 1750 to 3000' and this we liked to hear.

This good, interesting, fascinating exciting I.P. cancelled our need for a loan. But at that time we thought within the next week we will have a hole and can write Mr. Johnson and tell him the good news. But you know what thought thought.

Upon trying to get a drill to put down one hole we came up with a drill owner who is willing to do all our drilling for 1% Qmo Mining Company as a limited partner.

Then came the stumbling blocks. The drill was in Salt Lake. Delay in getting the Permit to move it. Delay in getting a man to drive it; delay in getting a driller; delay in getting the pipes and the rubber hoses etc etc.

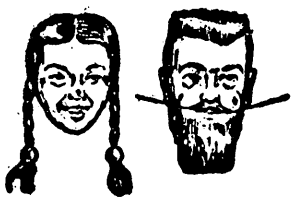
Latest development is he wants Dick to go to Salt Lake and Drive it back. The assessment date was creeping up, so we fooled him, (if that was what he had in mind) - we get Geonics back on the property and did the assessment work.

Cypress Mining Co is vitally interested in the property as it is on the same strike as the property they are now drilling. We have shown them our I.P. and our assays and their expression to us is "Any time you are ready to talk business, we are ready.

Naturually, we want to get the hole down and then talk business

We thank you for the consideration and help you afforded us. We will keep you posted as to what develops if you indicate you are interested.

Bee and Dick Huff



Nipton, California.

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Date	Surname	Code
7/19/68	Peterson	120
7/19/68	Kirkham	120
		110
7/19	cal	220
		120M

JUL 19 1968

AIRMAIL

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California 92366

Re: OME-6716 (Cobalt, Copper and Molybdenum)
Mr. and Mrs. R. D. Huff
Whir Property
San Bernardino County, California

Dear Mr. and Mrs. Huff:

To date we have not received the additional information necessary to continue the processing of your application requested in our letter of April 26, 1968. Will you please advise us when we may expect to receive this data, or if you have decided not to pursue the application further, please so inform us.

We wish to cooperate fully in allowing you ample time to obtain the information; however, we cannot indefinitely postpone action on an application.

Sincerely yours,

FRANK E. JOHNSON (glc)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Economic Geology File
OME Docket
OME Reading File
Region II
Mr. Peterson

ECPeterson/bsl 7/19/68

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O. M. E.
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MAY 22 1968
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5-17-68

Frank Johnson, Chief
O.M.E.
U.S. Depart of Interor,
Geological Survey
Washington D. C. - 20242

Dear Mr. Johnson: OME - 6716. Bee and Dick Huff.

While I'm blithely waiting for the unlimited, limited partners to get their signatures returned to me, it suddenly dawned on me I don't have any MME Form 40 to make new application for Copper and Moly loan.

So we will appreciate it if you will send us the necessary forms.

Bee and Dick Huff

Qmo Mining Company,
Nipton, California.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/7/68	Peterson	120
5/7/68	Nielsen	120
		110
5/7	Cae	220
		120M

MAY 7 1968

AIRMAIL

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California 92366

Re: OME-6716 (Cobalt, Copper and Molybdenum)
Mr. and Mrs. R. D. Huff
Whir Property
San Bernardino County, California

Dear Mr. and Mrs. Huff:

In response to your request of April 30, we are enclosing twelve additional copies of Lien and Subordination Agreements for your possible use.

Please note that the OME does not accept Xerox copies of these agreements, except under unusual circumstances.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
OME Region II w/cy April 30 letter
Mr. Peterson

ECPeterson/gla 5-7-68

4- 30-68

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O. M. E.
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MAY 2 1968
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U.S. Department of the Interior
U.S. Geological Survey
Washington D.C. 20242

Attention Frank Johnson Chief:

Dear Sir:

Re: OME 6716 -
Cobalt, Copper, Moly,
Mr and Mrs R. D. Huff.

Thank you for your letter of 4-28-68
We are heeding your advice and making a specific target.

Would you please send us 10 more lein copies as we were only able to collect our money in dibs and dabs, and it is possible we will have more coming in in the future. At least we have promise of more from our friends.

Would it be all right to make zerX Copies of them and use them. No

You will find Chuck Herbert's name among the Limited Partners. He sent us some money on another property that hasn't as yet lived up to our expectations, and since he was the very first person who ever sent us money, and we were so very grateful we decided to include him in on this property, a little more than a year ago. When he wrote those letters we sent to you he didn't know he was going to be part owner, and neither did he think or expect to get a percentage.

Bee and Dick Huff

Bee & Dick

rdh:Br

Nipton, California, - 92366

P.S. We have slews of partners -- and as soon as we proove this we will have it incorporated...

OFFICIAL FILE COPY

Date	Surname	Code
4/26/68	Petersen	120
4/26/68	Kirkham	120
		110
		220
		120M

AIRMAIL

APR 26 1968

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California 92366

Re: OME-6716 (Cobalt, Copper & Molybdenum)
Mr. and Mrs. R. D. Huff
Whir Property
San Bernardino County, California

Dear Mr. and Mrs. Huff:

Preliminary review of your application for exploration assistance indicates that the proposed work is more in the nature of prospecting than exploration and as such is not eligible for OME assistance. Neither prospecting nor preparation for mining (development) is eligible for assistance under present OME regulations. The distinction as defined by the program is that exploration is the search for ore by testing a specific target in a specific locality, whereas prospecting is the search for a specific target. In your proposal no specific targets have been identified that you wish to explore.

We note that the geophysical survey and trenching work completed on the Iron and Rust claims have indicated areas of copper and molybdenum mineralization. Perhaps these areas or other specific geologic targets that may occur on the property warrant further testing, and an exploration program can be developed limited to the more promising targets.

Based on the information furnished, copper and molybdenum are the major eligible metals which may occur on the property, and it is doubtful whether your proposal can qualify for Government assistance at 75 percent allowed for silver.

If a new proposal is submitted you will also have to furnish the following information, in addition to the evidence to support the proposal, to complete the application.

Since other individuals retain an 18-1/2 percent interest in the property where work is contemplated, it will be necessary for you to furnish five copies of Lien and Subordination Agreements signed by these persons. Lien and Subordination Agreements (six copies MME Form 52) are enclosed for your possible use.

If the proposed work is to be contracted (drilling and bulldozing) as indicated in your application, cost estimates must be supported by bids from three contractors for each work item if possible. The bids should include such information as to the type of equipment to be used, size of drill hole, and means for sample collection.

We shall be pleased to consider your application further upon receipt of the requested information; however, nothing in this letter should be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

FRANK E. JOHNSON

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. Peterson
Region II

ECPeterson/bsl 4/26/68

April 22, 1968

Mr and Mrs Richard D. Huff
Qmo Mining Company
Nipton, California 92366

Subject: OME-6716

Dear Mr and Mrs Huff:

Your application for exploration assistance, dated April 17, 1968, submitted to our office at Washington, D. C., has been assigned Docket No. OME-6716.

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 II with all attachments

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/1	Johnson	110
12/12/67	[illegible]	120
		110
		220

DEC 1 1967

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California 92366

~~DEC 1 1967~~

Dear Mr. and Mrs. Huff:

We have your letter of November 27, 1967, and enclosures relating to the assessment work performed on your property in San Bernardino County, California, and the copy of the report of November 1967 by the Henrichs Geoexploration Company.

We note that you believe you have assurance of sufficient funds to pay for your share of the costs of the proposed geophysical work, geological mapping, and drilling four holes, each 300 to 400 feet in depth.

The proposed work appears to be more in the nature of prospecting to locate a favorable geologic target area on your property rather than exploration of a specific target area to find and reasonably delineate an ore deposit.

We suggest that you perform the geologic mapping and dig more pits on the indicated anomalous areas. Representative samples of any mineralization exposed by the pits should be assayed by commercial assay offices for silver, copper, and molybdenum. After you have done this work, if you feel that you can qualify for OME assistance we shall be glad to consider a formal application from you. We are enclosing literature and application forms for this purpose. The information requested on the back of the application form must be submitted in as much detail as possible.

Perhaps Mr. Herbert or some other mining engineer or geologist could assist you in preparing an acceptable application if you desire to formally apply for financial assistance.

The letters to you of October 7, 1966 and October 20, 1966, are returned as requested.

cc: Director's reading file
Division file
Economic Geology file
OME file
OME reading file

FEJohnson/gla/bih 12/11/67

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

23263

C.C. Previous attached

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COPY
O. M. E.
RECEIVED
DEC 1967
INTRA-DEPT
710

11-27-67

Frank Johnson
U.S. Department of the Interior
Office of Mineral Exploration
Chief Office of Minerals Exploration
Washington 25, D.C.

Dear Mr. Johnson:

Under date of February 21, 1967, you hoped we would be successful in working out our financial problem for an OME. Loan.

Much time has been spent, and most of it waiting for the Cat Skinner for assessment work and also getting money for the assessment work and development work on the new claims and at along last we can report that we have accomplished this.

Also we got the prospecting program by Heinrichs . All we can emphasize is his statement at the end of the summation "Nevertheless this potential definitely warrants further testing."

Yesterday we got 10 gamblers lined up providing we can get the OME. Loan At least the manager of the safeway says they throw away $1,000 on the roll of the dice. He thinks he can get $10,000 so if the OME loan will go thru we are ready to roll.

This property is now much moreattractive with the assessment work we had done. As Dick Interprets it we have three anomalies . The geophysical - the geochemcial and the additional one of the geochemical going right thru the weakst part of the I.P.

We hope that you will writeus airmail and tell us the information that we want to know i.E.-- "yes with matching funds you can get an OME loan"

Chuck Herbert just came in from from a long season up at Nome. By In I mean back in Juneau, he's going to give Roberta her long promised vacation. Leaving this week. He gave us encouragement by reciting a story similar to ours where perceverance revealed a 100,000,000 ton mine in Africa. The pressure is off Moly now but it will still help carry the load.

Bee and Dick Huff

Mt. Pass Mine,
Nipton, California.

We're Just Shaking with Anticipation

STATE OF ALASKA

WILLIAM A. EGAN, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

OFFICE OF THE COMMISSIONER

Pouch M

~~BOX 1391~~ – JUNEAU

October 20, 1966

Dear Dick and Bee:

I cannot delay any longer on the Heinrichs report, even though I have not developed any new ideas.

Tom Pittman, who does most of the geophysical work for the Bureau of Mines in Alaska went over the report carefully and discussed it with me. He asked me to hold off on replying to you so that he could catch up on his IP studies - most of Tom's work is with EM.

Tom does not seem to have anything more to add.

We both feel that the survey may indicate a troughlike conductor but believe that the best course to follow is to accept Heinrichs interpretation for the present at least. Heinrichs has a good reputation and the survey is still very much a preliminary job.

The very high, and I mean high, moly anomolies would indicate to me that molybdenite must be an important sulfide in the conductive zone. If this is so, the apparently weak to moderate IP response in a desert climate could still be most interesting.

It does not take much moly nowdays to make a mine. I presume that you have followed the remarkable success of Endako. I thought that Placer had really gone overboard when they opened a 0.22% property but they have made money so fast that they are now cutting their average mill feed to 0.12% with a 0.08% cutoff. (Your 252 ppm moly equals 0.025%)

All I can say is that if I had anything to do with OME investigations I should recommend more IP, detailed geologic mapping and drilling. The preliminary work should call for at least $25,000 but the complete job would run to a lot more. I would not want to bet on only one or two drill holes.

Things such as you have can certainly try your patience. You recall Moe Kaufmann, who used to be a partner of Stebbins? Nearly five years ago, before Moe came to Alaska, he and some friends acquired a property in Nevada. There had been some early day high grade production so Moe made an excellent geological map and an IP survey, concluding that there was a hot chance away from the known showings. He tried for a long time to sell his ideas and had all kinds of experts review his work. Finally, a few months ago Newmont made a deal, taking less than a week for examination and finalization of the agreement. I hear that the first hole was good.

Best of luck.

Regards,

10/7/66

Dear Dick and Bob,

Sorry that I do not yet have an opinion on your IP survey.

I simply cannot reconcile Heinrich's analysis with the data, so have called for help from an I.P. expert.

Will let you know as soon as he finishes his study of the report.

Roberta is out of the hospital now but cannot get around very well.

Regards

Alnuch

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
2/21		110
		220

FEB 21 1967

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California

Dear Mr. and Mrs. Huff:

In response to the request in your letter of February 12, 1967, we are returning the letter to you dated October 20, 1966, from Chuck Herbert. We also, are enclosing the letter to you dated August 31, 1966, from John P. Matthews, Jr., Geophysicist, Heinrichs Geoexploration Company, which you had previously sent this office.

We hope you will be successful in working out your financial problem.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

cc: Director's reading file
Division file
Economic Geology Division
OME file
OME reading file

FEJohnson/bih 2/21/67

23263

All Previous Copies Attached

OFFICIAL
COPY
O. M. E.
RECEIVED
FEB 20 1967
110

2 12-67

U.S. Department of the Interior
Geological Survey
Office of Mineral Exploration
Washington, 25, D. C.

Attention Frank E. Johnson

Dear Mr. Johnson:

Would you believe it, in spite of us having billions in the ground, we haven't been at all successful in unearthing the $12,500 necessary to carry our part of the Government loan?

That written report by Heinrichs isn't the most persuading thing in the world -- and without Chuck's letter, not seeing eye to eye with them, we have discovered we aregetting no place fast.

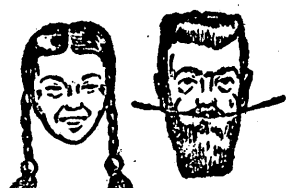
Thinking everything was so obvious to those who could read the I.P. we sent you Chuck's letter and have no copy. Therefore, we ask that you make a copy of his letter for your file and send us the original.

Upon receipt of it, we will go to work again, and are sure we will have the necessary money from some source.

This is really too good to be allowed to evaporate.

Thank you,

Bee and Dick Huff



R.D.H. Br

Mt. Pass Mine,
Nipton, California - 92366

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
11/29		110
		220

NOV 29 1966

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California

Dear Mr. and Mrs. Huff:

We have your letter of November 22, 1966, concerning the preparation of an application for exploration assistance and your financial problem.

The law establishing the minerals exploration program and regulations governing this program require that Federal financial assistance be provided on a participating basis, consequently, an applicant for exploration assistance must be able to furnish its share of the costs of the proposed exploration.

If a contract is granted, a portion of the Operator's share of the costs may be paid by the Operator performing services for which he is qualified and by the use of equipment which he owns. However, this is not sufficient to pay for the Operator's entire share of the costs, so it is necessary that he have funds available to make up the difference. Also, the Government's share of the cost is paid only after a voucher covering the work performed during each month is received. It usually takes about two or three weeks to process a voucher. Thus, an Operator should have on hand sufficient funds to pay the entire cost of the work for the first two or three months before the first payment for the Government's share of the cost is received.

We trust that the foregoing explanation of the procedure followed in making payments for work performed under an exploration contract will be of help to you in reaching a decision on filing a formal application for exploration assistance.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's reading file
Division file
Economic Geology file
OME file
OME reading file
OME Region II w/cy inc.ltr.

FEJohnson/bih 11/29/66

23263

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NOV 25 1966
INITIALS | CODE
110

11-22-66

U.S. Department of the Interior
Geological Survey
Office of Mineral Exploration
Washington 25, D.C.

Attention Frank E. Johnson

Dear Mr. Johnson:

We mistakenly thought Mr. Stagger would come down here and help us set up a progrem but he set us straight on that telling us that when we have the application prepared to send one copy to him and one to you and if it is determined a field examination is required Mr. Johnson would direct him to make the examination and prepare a report on his findings.

We called Mr. Charles Herbert yesterday asking him for some advice. We asked him if he thought Heinrichs would be advisable to handle the entire exploration program. He said yes, they had an excellent reputation.

Then that first requirement --Money, needed some clarification. It is only fair to tell you that Dick is working for his living and it took us one year to save the $2,000 we used to have the original I.P.run.

We asked Chuck about that and he said before we go any further we should ask you just what the procedure would be. He said things have changed since he got his OME loan and he does not know just what could be done.

Under the present set up would a very prmising property warrant an outright grant -- repayable of course! The Banks will not look at us - because we have no callateral.

Bee and Dick Huff

Mt. Pass Mine,
Nipton California.
92366.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
11/16		110
		220

~~NOV 30 1966~~

NOV 10 1966

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California

Dear Mr. and Mrs. Huff:

This is in reply to your letter of November 9, 1966, concerning your proposed filing of a formal application for financial assistance in minerals exploration.

We are sure Mr. Stager will be glad to answer any questions regarding the information required; but he is not in a position to help plan your proposed exploration. A field examination of your property cannot be made until an application has been filed and it has been determined that you can qualify for assistance and that the cost of making an examination of the property is warranted.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's reading file
Division file
Economic Geology file
OME file
OME reading file
OME Region II - w/cy inc. ltr.

FEJohnson/bih 11/16/66

23263

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RECEIVED
14 1966
110

Previous attached

11-9 -66

US Department of the Interior
Geological Survey
Office of Mineral Exploration
Washington 25, D. C.

Attention Frank E. Johnson

Dear Mr. Johnson:

Thank you for your letter and forms for making application for an OME loan.

It is very obvious we are going to need Mr. Harold K. Stager's help in filling out this form.

Before we can make application we must know certain facts. This area is a complex of precambrian, gneiss and altered granite. Considerably lss than 25 percent of the surface is rock in place and it presents come problem in Geologic deduction and interpretation so we have asked him to make an on the sight survey in order to lay out the best program : i e - geophysics , geochemical and drilling and how much of which.

We thank you for suggesting his name.

We hope he can make an appointment to see us in the not too distant future.

Again thanking you for the prompt response to our request for a loan -- - Oh an interesting little side-light. We sent that letter 'Return Receipt requested'. We got your letter and the card hasn't shown up yet.!!!!

Bee and Dick Huff

Mt. Pass Mine,
Nipton California.

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

OFFICIAL
COPY
D. M. E.
RECEIVED
NOV 15 1966

November 14, 1966

Kg 110
120
220

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California 92366

Dear Mr. and Mrs. Huff:

In reply to your letter of November 9, 1966, regarding your mining claims in San Bernardino County, California, I regret that I cannot make a preliminary examination of your property nor assist you in laying out an exploration program. I suggest that you engage the services of a competent consulting mining geologist to assist you in determining the kind and extent of exploration warranted and to help you prepare the necessary information required for the OME application. When you have the application prepared please send two copies to this office, or to the OME in Washington, D. C. After review in Washington, D. C., and if it is determined that a field examination by me is warranted, Mr. Johnson will direct me to make the examination and prepare a report on my findings. At that time I will contact you and arrange a time to examine the property.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

cc: Chief, OME, WDC
D RF
ACG RF
MP Inquiries
HKStager:mlb

11-9-66

RECEIVED
NOV 14 1966
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Mr. Harold K. Stager,
OME field Officer,
Regin 11 - Building 2
345 Middlefild Road,
Menlo Park, California, 94025

Dear Mr. Stager:

Mr. Frank E. Johnson suggested that we cntact you if we have any questions regardi g an application for and OME loan when he sent the forms concerning such a loan.

Re property:
14 Claims in Harroran Spring Mining District 18 Miles above Baker, California. 7 Iron - 1 thru 7 Section 34 and 35 Twp 10 North Range 10 East Rust 1- Thru 7 - Section 1 and 2 Twp 15 N. Range 10 East in San Bernardino County, California.

We have since staked 13 additional Claim, on which the development work is now being done.

We are making application for a loan on Copper Molybedenum and Silver.

In the first place this area is a complex of precambrian, gneiss and altered granite. Considerably less than 25 percent of the surface is rock in place (the rest is sheet wash) and it presents some problem in Geologic deduction and interpretation so that it would be to our mutual advan age to make and on the spot survey in order to lay out the best program i.e. Geophysical, Geochemical and drilling and how much of which.

We had some Geophysical work done of this property by Heinrichs Exploration Company, copy of which was sent to Washington D.C. Heinrichs advocated that we stake more property and as indicated above, we did. The anomally is open on all sides and shows a trough-like mineralized zone at right angles to the north-south lines of the I P. This trough is isn excess of 3,000 feet in width and North south direction and the lines are 600 feet apart --there were four lines.

We took some geochemcial samples in the development holes and they show very good indications of Moly and the presence of silver. Copper can bee seen in eight places on the surface. The geochemical anomally is approximately in the center of the Geophysical anomally and runs at right angles to it for about 1500 feet.

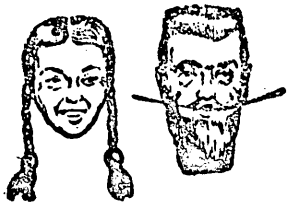
We certainly hope you can make an appointment to see us on the property.

I work at Moly Corp - Mt Pass Mine, Nipton Californaia and I would take off the time from work to meet you.

We do not have a phone and the Mine frowns on personal calls.

Heinrichs indicated that they could move the property for us, but we prefer to do additional prospecting or exploration work on this property.

Bee and Dick Huff



Mt. Pass Mine
Nipton California 92366

RDH:brh.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/31		110
		220

OCT 31 1966

Mr. and Mrs. R. D. Huff
Mountain Pass Mine
Nipton, California

Dear Mr. and Mrs. Huff:

We are in receipt of your letter of October 24, 1966, enclosing a letter of October 20, 1966, from the Department of Natural Resources, Juneau, Alaska, and a report covering an Induced Polarization Survey on the Iron and Rust Claim Groups, San Bernardino County, California, by Henirichs Geoexploration Company.

We note that the material enclosed with your letter is presented as an application for exploration assistance. Unfortunately, this material is not sufficient support for such an application. In order for us to determine whether or not we can be of help to you it will be necessary to complete and forward to this office two of the enclosed application forms, and furnish the information requested on the back of the form in as much detail as possible to the best of your ability.

We also are enclosing literature which explains the exploration assistance program for guidance in making an application.

If you have any questions regarding the application requirements it is suggested that you contact Mr. Harold K. Stager, OME Field Officer, Region II, Building 2, 345 Middlefield Road, Menlo Park, California 94025.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's reading file
Division file
Economic Geology file
OME file
OME reading file
OME Region II w/cy inc.ltrs.

FEJohnson/bih 10/31/66

Enclosures

23263

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RECEIVED
OCT 28 1966
CODE
110

10-24-66

Frank E. Johnson
Director, Office of Mineral Exploration
U.S.G.S.
Department of the Interior
Washington D.C. = 20242

Dear Mr. Johnson:

The enclosed report by Heinrichs Geoex is pretty much self-explanatory.

We have known Charles Herbert, Deputy Commissioner of Alaska, and we have used his consultant services for the past six or seven years thru the good offices of Charles Johnston, Goodnews Bay mining Company.

Since receiving this repo t and some advice from Chuck we had the development holes geo-chemically analyzed by Jim Johnson and we have copied the results in the appropriate places on the Platt of the claims included here.

This property is one of low relief, as you can tell from the topo sheet, of the Halloran Springs District, 14 miles Northeast of Baker.

Of additional interest is the fact that Homestake did considerable exploratory work roughly one mile west of here on Turquoise Mountain for Copper and Moly and Nobel and Ruckmick drilled the Riggs wash area the same winter. Also Bear Creek Mining Company, located an extensive group of claims about four miles east of here where they drilled two holes.

The point we are trying to make is that the property in question is in what appears to be a structural trend that has supplied copper and moly anomalies that have been investigated by major companies.

My property has been by-passed We believe because much of it is covered by desert pavement or more recent alluvium. Out crops are small and inconspicucous.

Moly Corp drilled one 170' hole that penetrated a shear zone from 125' to the bottom. Water level was not reached. The mineralized granite showed 55PPm of Moly at 50' and about 1000 PPM Copper at that distance. After we entered the shear zone --- Nothing, better below. The Drill hole is in Iron #3 and about 100' North of the section line and 100' south of the discovery Pit which assayed .8% Copper.

10-24-66

We have had geologist from all of the Big Mining Companies (Before we had the I.P Run) but none of them were interested. Excepting Moly Corp of course)

Chuck said that he would be willing to recommend us. We used to be Tundra Hoboes up in Alaska.

Awaiting your response with interest, we are.

Bee and Dick Huff,

Mt. Pass Mine,
Nipton California. 2ip 12 360

P.S. We have copper showing in eight different places. on this property.

PPs. Almost forgot. This is an appicationfor an OME Loan!!!

STATE OF ALASKA

WILLIAM A. EGAN, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

OFFICE OF THE COMMISSIONER BOX 7391 — JUNEAU

October 20, 1966

Dear Dick and Bee:

I cannot delay any longer on the Heinrichs report, even though I have not developed any new ideas.

Tom Pittman, who does most of the geophysical work for the Bureau of Mines in Alaska went over the report carefully and discussed it with me. He asked me to hold off on replying to you so that he could catch up on his IP studies - most of Tom's work is with EM.

Tom does not seem to have anything more to add.

We both feel that the survey may indicate a troughlike conductor but believe that the best course to follow is to accept Heinrichs interpretation for the present at least. Heinrichs has a good reputation and the survey is still very much a preliminary job.

The very high, and I mean high, moly anomolies would indicate to me that molybdenite must be an important sulfide in the conductive zone. If this is so, the apparently weak to moderate IP response in a desert climate could still be most interesting.

It does not take much moly nowdays to make a mine. I presume that you have followed the remarkable success of Endako. I thought that Placer had really gone overboard when they opened a 0.22% property but they have made money so fast that they are now cutting their average mill feed to 0.12% with a 0.08% cutoff. (Your 252 ppm moly equals 0.025%)

All I can say is that if I had anything to do with OME investigations I should recommend more IP, detailed geologic mapping and drilling. The preliminary work should call for at least $25,000 but the complete job would run to a lot more. I would not want to get on only one or two drill holes.

Things such as you have can certainly try your patience. You recall Moe Kaufmann, who used to be a partner of Stebbins? Nearly five years ago, before Moe came to Alaska, he and some friends acquired a property in Nevada. There had been some early day high grade production so Moe made an excellent geological map and an IP survey, concluding that there was a hot chance away from the known showings. He tried for a long time to sell his ideas and had all kinds of experts review his work. Finally, a few months ago Newmont made a deal, taking less than a week for examination and finalization of the agreement. I hear that the first hole was good.

Best of luck.

Regards,

HEINRICHS GEOEXPLORATION COMPANY

808 WEST GRANT ROAD, TUCSON, ARIZONA 85705 P.O. BOX 5671 PHONE (AREA CODE 602) 623-0575

August 31, 1966

Mr. R. D. Huff
Mountain Pass Mine
Nipton, California

Dear Mr. Huff:

Enclosed is an original and two copies of our report covering the induced polarization and resistivity survey carried out on your property near Halloran Springs, San Bernardino County, California.

The I.P. data partially outlines two east-west trending zones of sulfide mineralization. The work done to date indicates that these zones are probably fairly narrow, but with a strike length probably in excess of 1500'. Further work is necessary to more accurately determine the potential economic significance, if any, as well as width and strike length of these features. Because of the close proximity of these features to the edge of your claim group, it is recommended that the staking of additional claims be considered.

Should you be interested in possible outside assistance to further develop this property we may be able to help in some manner. If you have any questions concerning our report, or if we can be of further assistance, please let us know.

Very truly yours,
HEINRICHS GEOEXPLORATION COMPANY

John P. Matthews, Jr.
Geophysicist

JPM:jc
Enclosure: 3

Extra

STATE OF ALASKA

WILLIAM A. EGAN, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES

OFFICE OF THE COMMISSIONER

Pouch M

JUNEAU

October 20, 1966

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Best of luck.

Regards,

10/7/66

Dear Dick and Bob,

Sorry that I do not yet have an opinion on your IP survey.

I simply cannot reconcile Heinrich's analysis with the data, so have called for help from an I.P. expert.

Will let you know as soon as he finishes his study of the report.

Roberta is out of the hospital now but cannot get around very well.

Regards

Chuck

ROCKY MOUNTAIN GEOCHEMICAL LABORATORIES

Post Office Box 2217
SALT LAKE CITY, UTAH 84110

Phone 322-2396
Area Code: 801

CERTIFICATE OF ANALYSES

Date: September 22, 1966

Client: Bee and Dick Huff
Mountain Pass Mine
Nipton, California

Report on: 7 samples

Submitted by: Bee and Dick Huff

Date Received: September, 1966

Analysis: Silver & Molybdenum

Remarks: Silver analyses done by atomic absorption. Molybdenum determined colorimetrically. Sample # Iron # 3, 4 and Rust # 3 contain considerable copper.
cc: Enc.
file

JJJ:kt

	Sample No.	Silver	Molybdenum
A	Iron # 1	1	72
B	" 2	-1	189
C	" 3	-1	39
D	Iron # 4	-1	206
E	Rust # 2 (tactite)	2	122
F	Rust # 2	-1	252
G	Rust # 3	-1	29

Development holes #1 to 4' deep - Plotted on Aerial Photo overlay R D Huff

By James J. Johnson

James J. Johnson

All values are reported in parts per million unless specified otherwise. A minus sign (−) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

1 ppm = 0.0001% 1 Troy oz./ton = 34.27 ppm % Mo x 1.6683 = % MoS_2

Trace Analysis

Assays

ROCKY MOUNTAIN GEOCHEMICAL LABORATORIES

519 North Washington Ave. Phone: 445-4393

PRESCOTT, ARIZONA 86301

CHEMICAL ANALYSIS CERTIFICATE

Date July 27, 1967

Client Richard & Bee E. Huff

Mt. Pass Mine

Nipton, California 92366

Submitted by B. E. Huff

Date Letter 7-16-67

Report on 16 Pulp Samples

Analysis COPPER, MOLYBDENUM

Remarks Copper done by Atomic Absorption method.

Molybdenum done by Colorimetric method.

The sample pulps will be returned via parcel post for Uranium det. as we are not set up for Uranium.

cc: encl.
file

All values are reported in parts per million unless specified otherwise. A minus sign (—) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

16 Pulp Samples (Letter 7-16-67)

	Sample No.	COPPER	MOLYBDENUM
	QMO #1 Pit	70	3
	QMO #2 Pit	20	10
	QMO #3 Pit	10	12
	QMO #4 Pit	5	-1
	QMO #5 Pit	15	2
#1	Whir. 600' N of Drill Hole	150	5
#2	Whir. 600' N of Drill Hole, W	380	21
#3	Whir. Cu Hole E end	6500	31
#4	Whir. 200' SW New Cu Hole	3800	200
#5	Whir. Iron #2	2800	105
#6	Whir. S. End I.P. Line 4	280	85
#7	Whir. W. End, New Cu Hole	5300	70
#8	Whir. Red Hole	2400	32
#9	Whir. Red Hole S.E.	375	170
#10	Whir. W. Cut, Lower Sample	1100	55
#11	Whir. W. Cut, Upper Sample	725	45

E A Johnson

E. A. Johnson

These samples are from the Assessment Holes dug this July - mostly 1 to 3 feet below land surface. You will note they are Right down thru the Weakest part of the I.P.

R D Hoff-Lay

Rocky Mountain Geochemical Corporation

P. O. BOX 2217
SALT LAKE CITY, UTAH 84110

Phone 322-2396
Area Code: 801

CERTIFICATE OF ANALYSES

Date: September 12, 1967

Client: Mr. Richard D. Huff
Mt. Pass Mine
Nipton, California

Report on: 7 samples

Submitted by: Mr. Huff

Date Received: August, 1967

Analysis: U_3O_8 & Silver

Remarks: U_3O_8 determined colorimetrically. Silver done by atomic absorption.

cc: Enc.
file

JJJ:ktg

Sample No.	% U_3O_8	PPM Silver
~~Qmo Dump~~ Another Property	0.0005	1
Copper E. End	0.0010	1
200' S.W. New Cu. Hole	0.0095	1
Iron #2	0.0120	ND
W. End New Cu Hole	0.0060	ND
Red Hole	0.0145	ND
W. Cut lower	0.0095	1

By James J. Johnson

James J. Johnson

All values are reported in parts per million unless specified otherwise. A minus sign (−) is to be read "less than" and a plus sign (+) "greater than." Values in parenthesis are estimates. This analytical report is the confidential property of the above mentioned client and for the protection of this client and ourselves we reserve the right to forbid publication or reproduction of this report or any part thereof without written permission.

ND = None Detected 1 ppm = 0.0001% 1 Troy oz./ton = 34.28 ppm % Mo x 1.6683 = %MoS_2

Orthopyroxene

												TOTAL
P:1/G:2/P:1	AC	.00	1.00	53.13	.83	.23	.46	23.14	.09	21.70		100.58
	FM	.000	.043	1.974	.033	.005	.014	.719	.006	1.202		3.997
P:1/G:2/P:2	AC	.00	1.07	53.80	.98	.19	.50	23.11	.04	22.04		101.73
	FM	.000	.045	1.975	.038	.004	.015	.709	.002	1.207		3.994

	K	Al	Si	Ca	Ti	Mn	Fe	Na	Mg	Ni	
AC	0.02	0.54	52.24	1.03	0.16	0.43	22.91	0.12	22.94	0.03	100.42
FM	0.001	0.023	1.950	0.041	0.004	0.013	0.715	0.008	1.277	0.000	4.037

Olivine

P:1/G:1/P:1	AC	.00	.00	35.61	.04	.00	.48	39.50	.02	24.75	100.40
	FM	.000	.000	1.004	.000	.000	.011	.933	.000	1.041	2.990
P:1/G:1/P:2	AC	.00	.04	36.07	.04	.00	.50	38.67	.00	25.06	100.38
	FM	.000	.000	1.012	.000	.000	.011	.908	.000	1.048	2.980

	K	AL	SI	CA	TI	MN	FE	NA	MG	NI	Total
AC	0.01	0.00	35.23	0.12	0.07	0.43	40.24	0.07	26.06	0.06	102.29
FM	0.000	0.000	1.471	0.005	0.002	0.015	1.405	0.005	1.622	0.002	4.529
AC	0.07	0.00	35.08	0.00	0.02	0.62	40.41	0.11	25.93	0.10	102.35
FM	0.003	0.000	1.467	0.000	0.000	0.022	1.414	0.009	1.617	0.003	4.538
AC	0.00	0.00	35.23	0.00	0.00	0.57	41.45	0.05	25.34	0.06	102.70
FM	0.000	0.000	1.473	0.000	0.000	0.020	1.449	0.003	1.579	0.002	4.528

Clinopyroxene

P:3/G:2/P:1	AC	.07	2.11	51.54	19.25	.64	.36	13.52	.31	12.44	100.23
	FM	.002	.093	1.946	.779	.018	.011	.426	.022	.700	3.997
P:3/G:2/P:2	AC	.00	2.01	51.82	19.86	.64	.33	13.53	.31	12.06	100.56
	FM	.000	.088	1.952	.801	.018	.010	.425	.022	.676	3.992
P:4/G:1/P:1	AC	.03	2.07	52.24	21.34	.54	.30	13.11	.27	12.20	102.10
	FM	.001	.090	1.939	.849	.014	.008	.406	.018	.674	4.000
P:4/G:1/P:2	AC	.05	1.66	50.98	21.07	.42	.38	12.22	.27	11.64	98.68
	FM	.002	.074	1.956	.866	.011	.012	.392	.019	.666	3.998
P:5/G:2/P:1	AC	.01	1.30	51.65	20.95	.36	.39	15.09	.29	10.99	101.02
	FM	.000	.038	1.305	.567	.006	.008	.319	.014	.414	2.670
P:5/G:2/P:2	AC	.05	1.46	51.49	20.91	.33	.29	15.01	.34	10.69	100.56
	FM	.001	.043	1.307	.568	.006	.006	.318	.016	.404	2.669