MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE Contract No. _____ Docket No. 6781

Application
- [ ] Denied
- [x] Withdrawn

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

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

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] 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

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO 80225

Office of Minerals Exploration
Building 53 Room 200

April 7, 1969

Memorandum

To: Acting Chief, Office of Minerals Exploration

From: Field Officer, Region III

Subject: V. V. Norwood (Silver)
Lake Valley District
Sierra County, New Mexico

Transmitted herewith is the original of an application for financial assistance in minerals exploration on the above-stated property. One copy has been retained for the Region III field office files.

J. William Hasler
mc

J. William Hasler,
Field Officer, Region III
Office of Minerals Exploration

OFFICIAL COPY
O. M. E.
RECEIVED
APR 8 1969
INITIALS CODE

MME Form 40
(Revised Nov. 68)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OME Region III RECEIVED APR 3 X 1969 Denver, Colorado

OFFICIAL COPY RECEIVED APR 8 1969 UNITED STATES

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 87-701 (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.)*

V.V. Norwood
Rt. I Box 90
Deming, New Mexico 88030

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: 6981

DATE RECEIVED: 4-8-69

REGION: III

DIVISION CODE:

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [X]
- CORPORATION [ ]
- PARTNERSHIP [ ]
- 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

ESTIMATED COST OF PROJECT: $ 40,000

PROPERTY NAME: Unpatented claims Norinco I, 4, 8, 10

LOCATION: Lake Valley District — COUNTY: Sierra — STATE: N.M.

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 5, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Department of the Interior, U.S. Geological Survey, Office of Minerals Exploration, Washington, D.C., 20242, or with the nearest OME Field Office.*

CERTIFICATION

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

April 3, 1969
DATED

V. V. Norwood
BY *(Signature)*

TITLE

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

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

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

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

2. Applicant's Rights in Land:

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

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

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

3. Physical Description:

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

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

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

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

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

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

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

4. Accessibility of Property:

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

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

5. Exploration Work:

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

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

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

6. Experience:

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

7. Estimate of Costs:

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

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

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

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

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

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

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

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

I. Financial Eligibility:

(a) Copies of efforts to secure credit attached

(b) I own the unpatented mining claims listed in this application; no other parties interested.

(c) On notification of acceptance of our application, we will deposit in any bank, in escrow, the required amount to cover our share of the cost of the exploration work.

2. Applicants Rights in Land:

(a) I own the unpatented mining claims stated in this a application. These claims are filed on Goverment land.

(b) These claims are situated in sections 20 and 29, Township I8S, Range 7W. These claims are within the Lake Valley Mining District of Sierra County New Mexico. The two above sections are Goverment land.
The following claims are filed in the Mining Location records of Sierra County, New Mexico.

Name of claim:	Date filed	Location:
Norinco #4	October26, I964	page I84 book 32
Norinco # 8	October 26,I964	page I84 book 32
Norinco # I0	October 26,I964	page I85 book 32
Norinco # I	November 8,I965	page I3 book 33

V.V. Norwood
Rt. I Box 90
Deming, NewMexico 88030

Deming,New

Deming,New Mexico
February 28,1969

Mr. Claude Lyndecker
Mimbres Valley Bank
Deming, New Mexico

Dear Sir;

I would like to take this means of verifying our conversation concerning the loan of thirty thousand dollars ($30,000) for an exploration program on our four (4) unpatented mining claims in the Lake Valley Mining District of Sierra county, New Mexico. These claims are located within goverment sections 20 and 29,township I8S,range 7W and are named Norinco numbers I,4,8 and IO.

I wish to have this loan for a period of two years with 8% interest. I would like to have this loan to add to Ten Thousand Dollars of my personal finances in order to carry out a drilling program on these claims.The purpose of this drilling program is to explore the sedimentary formations in the footwall side of Berenda fault in the Lake Valley District. We have carried on exploration work in this district for several years and our findings indicate to us that this sedimentary is a favorable zone for exploration program.

I will assign all ore production from these claims to you as security for this loan until the amount of the loan with 8% interest is repaid.

Hoping to have a favorable reply to this request.

Yours truly,

V.V.Norwood

copy;

The Mimbres Valley Bank is our bank of record.

V.V. Norwood
Rt I Box 90
Deming,New Mexico 88030

Deming, New Mexico
February 28,1969

Deming National Bank
Deming, New Mexico

Dear Sirs;

I would like to make a request for consideration of a loan in the amount of thirty thousand dollars for a period of two years with interest of 8%.

I will use this loan in combination with ten thousand dollars of my personal finances to carry out a drilling program on my unpatented mining claims in the Lake Valley Mining District of Sierra County, New Mexico. These claims are named Norinco numbers I,4,8, and 10 and are filed in mining location records of Sierra County.

The drilling program will consist of core drilling, from the surface, to explore the sedimentary formations beneath the volanic rock on the footwall side of the Berenda Fault in the Lake Valley District. I have very good reasons to believed that the ore solutions,that made the Lake Valley a famous silver district, came down the footwall side of Berenda Fault. We would like to use the loan to explore this favorable zone. I have a bid on this core drilling, with everything furnished by Drilling Contractor, in the amount of $6.25 per foot. I will use the entire forty thousand for core drilling with the following exceptions, 2 2000 dollars for Geologist fee, $300 dollars for tractor to repair roads,$200 of assay fees.

To secure this loan I will give you an assignment of all ore production from these claims until the loan with 8 % interest is repaid.

Hoping that I may have a favorable reply to this request.

Yours truly,

V.V. Norwood

copy;

V.V. Norwood
Rt I Box 90
Deming, New Mexico 88030

Mimbres Valley Bank

Deming, New Mexico

CLAUDE E. LEYENDECKER
PRESIDENT

March 3, 1969
"In Our 44th Year"

Mr. V. V. Norwood
Route 1 Box 90
Deming, New Mexico 88030

Dear Mr. Norwood:

Pursuant to your letter of February 28, 1969, concerning a request for a $30,000.00 loan to finance exploration on a mining claim, we are indeed sorry, but we must refuse this loan on the grounds that we believe it too speculative in nature and the security of, ore production, "inadequate".

However, please feel assured that this in no way will affect your personal or your farming line of credit with us.

Very truly yours,

Claude E. Leyendecker
President

CEL/cv

V.V. Norwood
Rt. I Box 90
Deming, N.M. 88030

5%
On Time Certificates

4%
On Savings Accounts

DEMING
NATIONAL BANK
★ DEMING, NEW MEXICO

P. O. BOX 511 • DEMING, NEW MEXICO 88030

LEE N. GUTHRIE, JR.
President

February 28, 1969

Mr. V. V. Norwood
Deming, New Mexico 88030

Dear Mr. Norwood:

We regretfully decline to participate with you in your request for a line of credit at this bank in the amount of $30,000.00.

It is our understanding that this money was to be used for exploration in the Lake Valley Mining area of Sierra County, New Mexico. This bank does not participate in such endeavors.

We appreciate this opportunity to serve you and encourage you to contact us at some future time.

Sincerely yours,

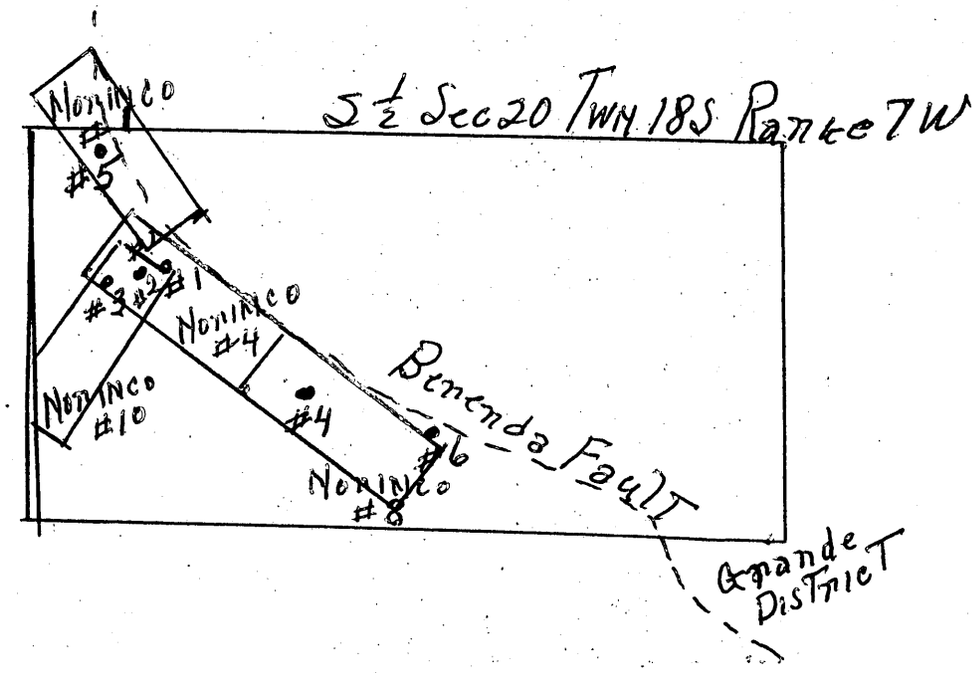
LNG/cs

V.V. Norwood
Rt I Box 90
Deming, N.M. 88030

MEMBER F. D. I. C.

3. Physical Description:

(a) Sketch of test locations;



#I;

Test hole drilled by cable tool rig;
I to 200 Ft. - Rhyolite
200 to 355 - Rhyolite altered to clay
355 to 4I5 - Altered rhyolite with large amount of magnetite and calcite
4I5 sample assayed 2.35 Ag
.I5 Au
4I5 to 490 - Altered rhyolite with large amount of calcite
490 - sample assayed I.09 Ag
.0I Au
490 to 580 - Altered rhyolite with large amount of calcite

A temperature of I05 degree fahrenheit was measured in this test hole at 490 ft.
Due to the soft formation encountered inthis test hole and the bad caving conditions the test hole had to be abandoned.

V.V. Norwood
Rt I,Box 90
Deming, New Mexico 88030

3. Physical Description;

(a) #2 Test hole drilled by cable tool rig;
I to 2I0 Ft. - Rhyolite
2I0 to 360 - Rhyolite altered to clay
360 to 530 - Altered Rhyolite with large amount of calcite
A temperature of I08 degrees fahrenheit was measured at 500 Ft.
This test was drilled I00 foot west of test hole number I.
This hole was abandoned due to the loss of tools in hole and hole caved on top of the tools before they could be fished out.

3 Test hole drilled by cable tool rig about 80 Ft. west of test hole number 2. Due to caving conditions in test hole numbers I and 2 this hole was cased with pipe as it was drilled.

I to 220 Ft.	- Rhyolite
220 to 420	- Rhyolite altered to clay with calcite
420 to 5I0	- Altered rhyolite with assay of 2.22 oz. Ag per ton and a temperature measurement of I08 degrees.
5I0 to 660	Altered rhyolite with calcite
660	Assayed Ag .56 per ton
665	Assayed Ag .39 per ton
670	Assayed Ag .I7 per ton
675	Assayed Ag I.53 per ton
680	Assayed Ag .52 per ton
680 to 735	Rhyolite altered to clay with calcite. temperature II0 degrees.
735 to 736	Hard Andesite The cable tool rig was unable to drill this formation and attempted to core drill with a Failing I500 rotary rig.The size of core wasNx.
736 to 754	Hard andesite veined with crystalized calcite. Temperature was measured at 90 degrees.
754	Encountered a large fracture of about 8 inches in width and every attempt to plug and cement failed.

The temperature in this test hole was measured by Dr. Edward R Decker of Harvard University. Dr Decker used one of our test holes in Harvard Heat Flow work in the Lake Valley District.

V.V. Norwood
Rt. I Box 90
Deming, New Mexico 88030

3. Physical Description;

(a) #4 Test hole drilled by cable tool rig about I500 ft. southeast of test hole #3.

I - 25 Ft. Rhyolite

25 - 353 Rhyolite altered to clay with calcite

353 Hard, highly fractured, silicified rhyolite

353 - 36I same as 353. This section drilled with core drill but due to high bit costs ($I00 per ft.), we abandon the hole. All attempts to cement failed because the cement would not set in this formation.

5 Test hole drilled by rotary rig using a hammer tool. This test about I500 ft. northwest of hole #3.

I - 25 Ft. Alluvium

25 - I00 - Red and gray Limestone

I00 - I60 - Black shale

I60 - 240 - Light colored limestone

240 - 385 - White and gray Limestone

385 - 440 - Green, calcareous, chloritic, quartz sandstone

440 - 496 - same as 440, except in this section there was soft red hematite. The circulation water on the drill dig ran blood red from 440 to 496 ft. This section also had thin sheets of white limestone at irregular intervals.
The assay at 450 ft. was 7.2% iron ore
This is the total depth drilled by rotary rig with the hammer tool.

496 - 506 - calcareous, chloritic, quartz sandstone with hematite as the cementing agent.

506 - 940 - Alternating quartz diorite and pink granite. There is small sections of the diorite altered to chlorite.

The footage from 496 to 940 was drilled with core rig.

V.V. Norwood
Rt.I Box 90
Deming, New Mexico 88030

3. Physical description;

(a) # 6

Test at the surface of a outcrop of brecciated, silicified, red colored rhyolite. This outcrop is about 700 ft. southeast of test hole #4 and about 300 ft. south of test positions Y-52 and Y-53, plate c, page DI3 of Geological Survey Bulletin I222 -D. Teast samples assayed,

Iron	I4.0 %
Manganese	.36 %
Silver	I oz. per ton
Gold	.007 oz per ton

(a) #7

To our knowledge there has been, in past few years, seventeen test holes drilled in the tilted fault block of Berenda fault.

There was five holes drilled in Mineral Patent # 536 to test the Fusselman formation.

There was four holes drilled to the northwest of the Grande Area to test the Fusselman.

There was four deep tests drilled in the Lake Valley mine area that penetrated the Fusselman.

There was four deep tests drilled southeast of Lake Valley mining area to test the dip of the beds. This test series of tests also penetrated the Fusselman. There was no indication of mineralization in any of these tests.

(b) I own I00% interest in test numbers I to 6. and personal knowledge of number 7 in section (a). I have no interest in number 7.

(e)

Norinco claims numbers 4,8,and I0 are located in footwall side of Berenda Fault. Norinco number I is located on Berenda fault.

Brenda fault crosses section 20 and 29, Twn. I8S,Range 7W, as shown by Jicha(I954, plate I)

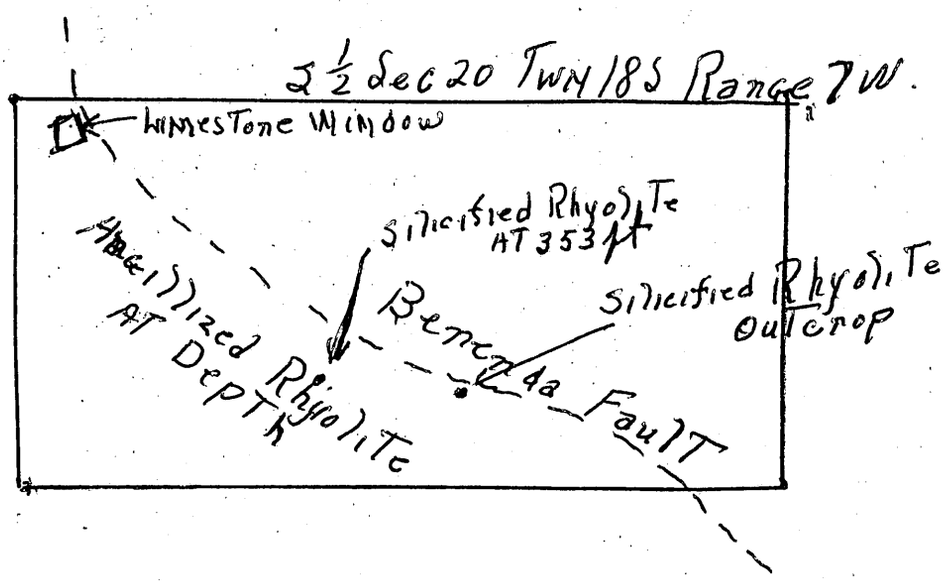
The Limestone Window that outcrops in footwall side of Berenda Fault is on Norinco Claim #I and is in NW¼ of SW¼ of section 20.

The outcrop of silicified rhyolite with an assay of silver, manganese, and iron occures near Berenda Fault in SW¼ of SE¼ of section 20.

V.V. Norwood
Rt. I Box 90
Deming, New Mexico 88030

3. Physical Description:

(e) Sketch of geological formations:



(f) A limestone window outcrops in the footwall side of Berenda Fault about three-fourths mile northwest from the Lake Valley mines. I beleive that this outcrop to be of lower Mississippian age due to fact that the upper 75 ft. of soft red and gray limestone lay over the 60ft. shale bed. This shale bed extended from I60 to I60 ft. Under this shale there was 20 ft. of pale red limestone, then about 205 ft. of light and gray colored limestone.

Under the above formations there is I2I ft. of green, calcareous, chloritic quartz sandstone with the lower 66 ft. having soft hematite and thin sheets of red sandstone and white limestone. The hematite was very soft and disolved in water, therefore any solution that should have access to this formation would readily absorb the hematite in solution. With an assay of 7.2 % iron in the sandstone and should the calcareous be dissolved, we would estimate a formation with a porosity of I2 %. This hematite could be the source of the hematite in the Lake Valley Mines to the southeast.

The above formation lies on quartz diorite and pink granite. Small parts of the diorite is altered to chlorite.

We beleive this sandstone to be the Bliss Sandstone without the silicifaction. Other sections of the Bliss Sandstone in this area are silicified to quartzite (New Mexico School of Mines Bulletin No. IO page 24).

The pre-Cambrian being at a shallow depth at this location and to the east under the outcrop of Montoya Limestone furnished a barrier to any solutions.

We beleive that the altering solutions rose from depth south of our test hole number 5 which is described above. In our test holes numbers I, 2, and 3, the rhyolite was highly altered to clay with large amount of calcite and high temperature. This clay alteration was about 2IO ft. from the surface and extended to 735 ft. Upon entering unaltered and

SILVER CITY LABORATORIES

Phone 53 8-3221
Box 801

ENGINEERING AND ASSAY OFFICE 108 W. YANKEE STREET

SILVER CITY, NEW MEXICO

J. W. (Jack) Sharpe
E. L. Sharpe

ASSAY CERTIFICATE

M. V.V. Norwood

YOUR SAMPLES WERE ASSAYED WITH THE FOLLOWING RESULTS:

Enterprise Print

DESCRIPTION OF SAMPLE	GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZING %			
Sample # 1	0.01	2.26	*			115		
# 3	Trace	0.16				480		
				Test #1				
#1				Nonico # 4+10				

DATE 9/11/64

CHEMIST

V.V. Norwood
Rt I Box 90
Deming, N.M. 88030

SILVER CITY LABORATORIES

Phone 53 8-3221
Box 801

ENGINEERING AND ASSAY OFFICE 108 W. YANKEE STREET

SILVER CITY, NEW MEXICO

J. W. (Jack) Sharpe
E. L. Sharpe

ASSAY CERTIFICATE

M V. V. Norwood

YOUR SAMPLES WERE ASSAYED WITH THE FOLLOWING RESULTS:

Enterprise Print

DESCRIPTION OF SAMPLE	GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZING %			
# 1	0.01	0.74				~~490-495~~ 480-485		
2	0.015	1.09				490-495		
3	0.005	0.34				500-505		
#1 4	Trace	Trace				510		
5	0.005	0.55				515-520		

Test #1 + #4 Normal #

DATE 10/3/61 Paid

Jack Sharpe CHEMIST

V. V. Norwood
Rt. I Box 90
Deming, N.M. 88030

Wilson Analytical Laboratory

392 Tyler Road, N.W. Albuquerque, New Mexico Telephone 344-9061

V.V. Norwood
Rt. 1, Box 90
Deming, New Mexico

9-27-65
Report #2033

#3 Hole

	oz/ton Ag	
5981-#1	0.56	660 ft
5982-#2	0.39	
5983-#3	0.17	
5984-#4	1.53	
5985-#6	0.52	680 ft

John R. Wilson
John R. Wilson
Chief Chemist

V.V. Norwood
Rt. I Box 90
Deming, N.M. 88030

SILVER CITY LABORATORIES

Phone 538-9691
Box 801

ENGINEERING AND ASSAY OFFICE 108 W. YANKEE STREET

SILVER CITY, NEW MEXICO

Dr. C. A. Lamb, Owner
Dr. R. Geo. Kirby, Chemist
and Metallurgist

ASSAY CERTIFICATE

Mr. V.V. Norwood

Route 1, Box 90, Deming, New Mexico

YOUR SAMPLES WERE ASSAYED WITH THE FOLLOWING RESULTS:

Enterprise Print

DESCRIPTION OF SAMPLE	GOLD OZ.	SILVER OZ.	COPPER %	LEAD %	ZING %			
# 463	None	2.220	1.3	5.10 ft				
				Norwood #4 + #10				
				Hole #3				

DATE July 14, 1965

Dr. R. Geo. Kirby
Dr. R. Geo. Kirby CHIEF CHEMIST

V.V. Norwood
Rt I Box 90
Deming, N.M. 88030

DATE 30 March 1967

SERIAL NO. 8859

NAME AND ADDRESS:

Mr. V. V. Norwood

Rt. 1, Box 90

Deming, New Mexico

IDENTIFICATION OF SAMPLES

Sample submitted for analysis is brecciated and silicified rhyolitic lithic tuff. The fine grained clay in seams is kaolinite. No sign of mineralization is present.

Edward C. Bingler
Associate Geologist

255 ft.
Norma #8
Hole #4

V.V. Norwood
Rt. I Box 90
Deming, N.M. 88030

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

STATE BUREAU OF MINES AND MINERAL RESOURCES | SOCORRO, NEW MEXICO 87801

DATE April 6, 1966

SERIAL NO. 8753

NAME AND ADDRESS:

Mr. V. V. Norwood

Rt. 1 Box 90

Deming, New Mexico

IDENTIFICATION OF SAMPLES

Core sample submitted for identification consists of two igneous rock phases: a pink granite and an altered quartz diorite in which all of the feldspar has been altered to green clay products principally chlorite.

Edward C. Bingler
Associate Geologist

#5- 700 ft.
Norwood #1

V.V. Norwood
Rt.I Box 90
Deming,N.M. 88030

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

STATE BUREAU OF MINES AND MINERAL RESOURCES | SOCORRO, NEW MEXICO 87801

DATE Oct. 14, 1965

SERIAL NO. 8690

NAME AND ADDRESS:

Mr. V. V. Norwood

Rt. 1 Box 90

Deming, New Mexico

IDENTIFICATION OF SAMPLES

Sample submitted for identification consists of the following materials:

1) Green calcareous chloritic quartz sandstone.

2) White and gray limestone

3) Trace of fine-grained red sandstone.

Edward C. Bingler
Associate Geologist

#5- ~~[illegible] ft~~
490 ft
Noriuco #1

V.V. Norwood
Rt.I Box 90
Deming,N.M. 88030

A. J. ROWLAND

Laboratory at 2230 Texas Ave.

Phone 532-2212

Since 1898

THE CUSTOM ASSAY OFFICE

P. O. Box 811
El Paso, Texas 79945

NAME V. V. Norwood 3-10-69

CRICHET—EL PASO

LOT	GOLD OZS. PER TON	SILVER OZS. PER TON	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	Fe			
Iron sample						7.2%			
		Hole #5							
		Norwood #1							

Charges $ 4.00

CUSTOM ASSAY OFFICE

T.V. Norwood
Box 1 Box 23
Dorfing, N.M. 88030

A. J. ROWLAND

Laboratory at 2230 Texas Ave.

Phone 532-2212

Since 1898

THE CUSTOM ASSAY OFFICE

P. O. Box 811

El Paso, Texas 79945

NAME V. V. NORWOOD 2-19-69

CRICHET—EL PASO

LOT	GOLD OZS. PER TON	SILVER OZS. PER TON	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	Manganese		Iron	
#1						.36%			
#2								14.0%	

Test at autopsy #6

Charges $ 19.00

CUSTOM ASSAY OFFICE

OPR

XERO COPY

DOCUMENT ID: 80070 SCANNED BY: 4-4 DATE: 3/21/98

A. J. ROWLAND

Laboratory at 2230 Texas Ave.

Since 1898

Phone 532-2212

THE CUSTOM ASSAY OFFICE

P. O. Box 811
El Paso, Texas 79945

NAME MR. V. V. NORWOOD 1-21-69

CRICHET—EL PASO RT. 1, BOX 90, DEMING, NEW MEXICO 88030

LOT	GOLD OZS. PER TON	SILVER OZS. PER TON	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT				
	.007	1.0							

Test Pocahontas #6 & outcrop

CUSTOM ASSAY OFFICE

Charges $ $7.00 Paid

V.V. Norwood
Rt I Box 90
Deming, N.M. 88030

NMT
NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

STATE BUREAU OF MINES AND MINERAL RESOURCES | SOCORRO, NEW MEXICO 87801

DATE February 14, 1969

SERIAL NO. 9854

Mr. V. V. Norwood

Rt. 1, Box 90

Deming, New Mexico

IDENTIFICATION OF SAMPLES

Dear Mr. Norwood:

Your rock specimen consists of silica containing iron oxide and manganese (?).

It does not have minerals of commercial value.

F. L. Misaqi
Mining Engineer

Test at outcrop
#6

V.V. Norwood
Rt I Box 90
Deming, N.M. 88030

3. Physical Description;
(f)

silicified andesite the temperature dropped by 20 degrees. Should this formation be underlain by hot water or oxidizing ore the temperature should have increased due to the conductivity of the hard country rock. We beleive that the high temperature is related to early altering solutions, that contained a high acid content, which altered the stratified rhyolite to clay. The calcite could have originated from underling limestone. This clay had a small enrichment of silver.

Test hole number 4 was drilled about I500 ft southeast of test hole number 3 and about 2000 ft. northwest of the Lake Valley Mines. This test entered altered rhyolite at 25 and extended to 353 ft., where the altered rhyolite was cut by highly fractured and silicified rhyolite.

About 700ft. southeast of drill hole number 4, there is an outcrop of silicified and fractured rhyolite. This outcrop was uncovered in the process of rebuilding a road that passed nearby. A sample of this formation assayed, Iron I4.0%, Manganese .36% Silver Ioz. per ton. This alteration compares favorable to the primary solutions in Lake Valley deposits, (New Mexico School of Mines Bulletin No. I0, page I77). We beleive that this outcrop and the silicified rock in test hole number 4 are of the same structure. These silicified formations and the clay alterations have a dip to the northwest and are parlell to Berenda Fault. This silicified formations cutting the rhyolite series suggests a mineralizing solution altering the rhyolite after the rhyolite waslaid down.

We beleive that a favorable target for exploration would be the limestone formations beneath the volcanics in the footwall side of Berenda Fault.

We would like to have a Snifter survey made of these claims, if possible, before a consideration is made of my application.

4. Accessibility of Property:

(a) V.V. Norwood
Rt.I Box 90
Deming, New Mexico 88030 Phone 546-2I07

Property located at Lake Valley which is I7 miles south of Hillsboro on highway 27.

(b) Shipping point is Nutt, a siding on ATand SF, which is I3 south of Lake Valley.

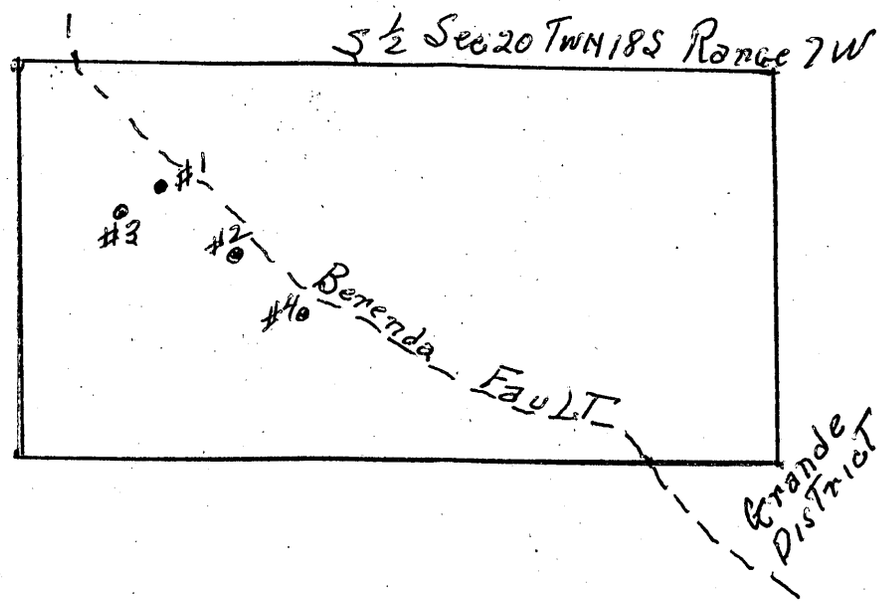
V.V. Norwood Rt.I Box 90, Deming, N.M. 88030

5. Exploration Work:

(a)

Drill vertical test holes, in footwall side of Berenda Fault, from the surface to penetrate sedimentary formations. We expect to enter the limestone at about 1300 Ft. A total of $38,500 will be used to drill these vertical test holes. The per foot average of $ 6.25 will be the cost of drilling a BX core to a depth of 2000 Ft.

Sketch of test holes



(b) Access roads to be repaired with Caterpillar tractor.

(c) Work started in Fifteen days, Work completed in 110 working days.

6. Experience:

I have had no formal geological education. I have had practical experience in prospecting and the drilling of test holes. We will secure the services of a registered geologist as nessary.

7. Estimate of costs;

(a)

Contract core drilling Bx size at a cost of an average of $6.25 per foot. The contractor will furnish everything pertaining to the drilling and completion of each test, footage and site designated by us. Should the contractor require payment as the work progresses, he will have to furnish a completion bond in the amount of total of work contracted.

Tractor to repair roads to cost $300.00 for 15 hours at $20 per hour.

Geologist fees, twenty four days at $50 per day.

V.V. Norwood, Rt.1 Box 90 Deming, N.M.

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros.
DRILLING COMPANY
CONTRACTORS - ENGINEERS - GEOLOGISTS
10801 North 21st Avenue
PHOENIX 21, ARIZONA
Phones: Office 944-1731
Home 947-0637

General Offices and Plant
1624 Pioneer Road P. O. Box 58
SALT LAKE CITY 10, UTAH
HUnter 7-7595

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
SACRAMENTO
ST. LOUIS

December 10, 1968

Mr. V. V. Norwood
Deming, New Mexico 88030

Dear Mr. Norwood:

For your proposed drilling on your property near Lake Valley, New Mexico, on holes to a depth of 2,000 feet we submit the following prices.

1. Mobilization —— $500.00 lump sum.

2.

Drilling	BXWL	NXWL	NC or Collar pipe
0 to 500 ft.	7.90	8.40	8.90
500 to 1000 ft.	8.40	9.00	
1000 to 1500 ft.	9.00		
1500 to 2000 ft.	9.60		

3. Cementing, if necessary, $15.00 per hour plus cost of cement or cement substitutes including drilling mud and chemicals.

4. Water truck rental of $190.00 per month plus .15 cents a mile. Water to be hauled from your source of supply.

5. Casing lost or left in place at your request to be charged for at list price F.O.B. jobsite

6. Access roads and drill stations to be furnished at no cost to us.

Thanks for asking for our prices.

Sincerely yours,

J. E. Roberts

J. E. Roberts
District Manager

JER/tk

V.V. Norwood
Rt I Box 90
Deming, N.M. 88030

SPRAGUE & HENWOOD, Inc.

Contract Division
REGIONAL OFFICE

2151 North Redwood Road (P.O. Box 2556)
Salt Lake City, Utah 84110 (801) 328-4271

DIAMOND DRILLING • MINERAL EXPLORATION • SOIL SAMPLING • PRESSURE GROUTING

S&H SINCE 1883

EXECUTIVE OFFICES & PLANT
SCRANTON, PENNSYLVANIA

December 19, 1968

Mr. V. V. Norwood
Route #1 - Box 90
Deming, New Mexico 88030

Dear Mr. Norwood:

In response to your invitation, we are pleased to submit our proposal for core drilling at Lake Valley, New Mexico, near Hillsboro.

Proposal

Item 1.	Mobilization and demobilization of crews and equipment	Lump Sum	$800.00
Item 2.	Overburden drilling, to surface casing depth (bedrock)	Per Foot	5.00
Item 3.	Core Drilling - Per Foot	NX W/L	BX W/L
	0 - 500' depth	$ 6.85	6.55
	500 - 1000' depth	7.75	7.45
	1000 - 1500' depth	8.95	8.65
	1500 - 2000' depth	10.60	10.30
	2000 - 2500' depth	13.15	12.85
Item 4.	Reaming to advance casing		@ 60% coring prices
Item 5.	Cementing and drilling cement or hole surveys	Per Hour	30.00
Item 6.	Standby or delays requested by customer	Per Hour	20.00
Item 7.	Casing lost or left in holes at request		@ Current list price Less 15%
Item 8.	Moves between drill sites	Per Move	75.00

Conditions page 2

V.V. Norwood
Rt I Box 90
Deming, N.M. 88030

Mr. V. V. Norwood
Deming, New Mexico 88030

Proposal continued
December 19, 1968

Conditions

1. Sprague and Henwood, Inc. will provide:

   a) #142 truck-mounted hydraulic core drill
   b) Tools, rods, casing, bits, accessories, supply pump
   c) Water hauling truck
   d) Two each 2-man drill crews, 8 hour shifts, 6 days per week.
   e) Ancilliary vehicles

2. Customer will provide:

   a) Access roads and drillsites, and maintenance
   b) Core containers and sludge containers if required
   c) Water source within 1 mile of jobsite, and access to source

We appreciate your invitation and trust our proposal will satisfy your requirements.

Very truly yours,

SPRAGUE AND HENWOOD, INC.

Vincent D. Nourse
Manager, Western Branch

VDN:rp

V.V. Norwood
Rt I Box 90
Deming, N.M. 88030

BYRL BINKLEY

Drilling Contractor

PIER HOLES • BELL BOTTOMS • FOUNDATION TESTING • CORE DRILLING

PHONE 598-7592 8026 NORTH LOOP ROAD EL PASO, TEXAS 79915

December 10, 1968

Mr. V. V. Norwood
Route 1, Box 90
Deming, New Mexico

Ref: Core Drilling
Lake Valley District near old town of Lake Valley, N.M.

Dear Mr. Norwood:

Subject work has been given careful consideration. Following is my proposal to do this job:

1. Byrl Binkley Drilling Contractor will furnish drill rig, tools, materials, bits, labor and supervision to operate 1 rig 6 days per week; 7 days per week if customer desires.

2. Byrl Binkley Drilling Contractor will begin work within fourteen (14) days from the date of notification of acceptance of this proposal.

3. TERMS OF PERFORMANCE:

BX Wire Line Core----------1 5/16" diameter.
Surface Drilling----------$5.50 lineal foot.

BX Core--- 0' to 500' --- $5.50 lineal foot.
BX Core--- 500' to 1000' --- $6.00 lineal foot.
BX Core---1000' to 1500' --- $6.50 lineal foot.
BX Core---1500' to 2000' --- $7.00 lineal foot.

Above prices include core boxes, hauling water, setting up rig, dismantling rig to move, moving from hole to hole, cement, drilling cement, reaming, setting and removing casing, lost casing, mobilization and demobilization.

4. V. V. Norwood will furnish roads to all drill locations if necessary.

5. All drill holes will be vertical.

6. Sludge will be caught at owner's request.

7. V. V. Norwood will guarantee a minimum of $20,000.00 drilling at above prices.

8. Byrl Binkley Drilling Contractor has the option of withdrawing from this contract after a total of $40,000.00 drilling.

9. Payment for above work will be made to Byrl Binkley Drilling Contractor on or before the 10th day of each month

BYRL BINKLEY
Drilling Contractor
PIER HOLES • BELL BOTTOMS • FOUNDATION TESTING • CORE DRILLING
PHONE 598-7592 8026 NORTH LOOP ROAD EL PASO, TEXAS 79915

on invoices covering work done to the end of the previous month.

10. No information regarding records and results of this drilling will be given to any unauthorized persons by Byrl Binkley Drilling Contractor.

Yours truly,

Byrl Binkley
BB/mef

V.V. Norwood, Rt I box 90, Deming, N.M. 88030

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
9/10/69	Kirkemo	120
		120
		220

September 10, 1969

MEMORANDUM

To: The File

From: Edward C. Peterson
Office of Minerals Exploration

Subject: OME-6781 (Silver)
V. V. Norwood
Norinco claims
Sierra County, New Mexico

The Applicant has not replied to our letter of August 7, 1969. Accordingly, the subject docket is referred to the inactive file and the application considered as having been withdrawn.

Edward C. Peterson

Edward C. Peterson

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
Region III
Mr. Peterson

ECPeterson/bsl 9/10/69

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/7/69	Peterson	120
		120
8/7	CC	220
		120M

AIRMAIL

Mr. V. V. Norwood
Route I
Box 90
Deming, New Mexico 88030

AUG 7 1969

Re: OME-6781 (Silver)
V. V. Norwood
Norinco claims
Sierra County, New Mexico

Dear Mr. Norwood:

We have not received a reply to our letter of July 2 concerning the subject application for assistance.

For your information, since our letter it has become necessary for us to postpone the processing of all applications received pending definite information regarding availability of funds for the fiscal year beginning July 1, 1969. Although appropriations have not yet been made for the current year, we understand that funds will be much less than were available for the year that ended June 30, and we are authorized to operate only at the level of the anticipated reduced funds. Under this situation, action on pending applications must be postponed, as proposed contracts already drafted and awaiting execution will require more funds than are available. When we can again process applications, first priority will be given to those offering the best opportunities for making significant discoveries.

We regret that we must take this action; however, if you wish to submit the additional information requested, and when circumstances permit, we will continue to process your application within the limitations stated above.

If we do not receive a reply from you within 30 days from the date of this letter, we must assume that you are no longer interested in your application and we shall consider it as having been withdrawn.

Sincerely yours,

Harold Kirkemo (gla)

Harold Kirkemo, Chief
Office of Minerals Exploration

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
Region III
Mr. Peterson

CPeterson/bsl 8/7/69

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
7/2/69	Peterson	120
		120
7/2	ce	220
		120M

JUL 2 1969

AIRMAIL

Mr. V. V. Norwood
Route I
Box 90
Deming, New Mexico 88030

Re: OME-6781 (Silver)
V. V. Norwood
Norinco claims
Sierra County, New Mexico

Dear Mr. Norwood:

On April 24 we wrote you outlining certain information which is necessary to continue the processing of your application. To date, we have not received these data. Will you please inform us of your plans regarding the application. If you have decided not to pursue it further, please so inform us.

Sincerely yours,

Harold Kirkemo (gfe)

Harold Kirkemo, Chief
Office of Minerals Exploration

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

ECPeterson/bsl 7/2/69

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/24/69	Peterson	120
		120
4/24	Cal	220
		120M

AIRMAIL

APR 24 1969

Mr. V. V. Norwood
Route I
Box 90
Deming, New Mexico 88030

Re: OME-6781 (Silver)
V. V. Norwood
Norinco claims
Sierra County, New Mexico

Dear Mr. Norwood:

A careful review of your application for financial assistance to explore the subject property and of other available information indicates that not enough geologic information is known of the proposed exploration target to support the cost of the proposed project and justify Government participation in the work. Unless you can provide additional factual geologic evidence to indicate that favorable targets exist on the property, we would have no choice but to deny the application.

We note that previous mining activity in the district was at shallow depths confined to the Lake Valley limestone formation. Later deep drilling by yourself and others indicated either barren or extremely weak mineralization occurring in the lower formations. Under these circumstances, it appears doubtful that economic reserves of silver will be found at the depths you have suggested.

However, we shall be pleased to consider your application further if you can submit additional substantiating evidence to indicate that favorable exploration targets exist on the property.

For your information, the survey mentioned in the last paragraph of Item 3(f) of your application would have to be contracted to a private firm at your own expense as such work is considered prospecting and not eligible for Government assistance.

We shall continue to hold the application until we have either been advised that you intend to submit new data, or that you wish to withdraw the application.

Sincerely yours,

Harold Kirkemo (gla)

Harold Kirkemo, Chief
Office of Minerals Exploration

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

ECPeterson/bsl 4/24/69

April 8, 1969

Mr. V. V. Norwood
Route 1
Box 90
Deming, New Mexico 88030

Subject: OME-6781

Dear Mr. Norwood:

Your application for exploration assistance, dated April 3, 1969, submitted to our office at Denver, Colorado, has been assigned Docket No. OME-6781.

Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Harold Kirkemo
Acting Chief, Office of
Minerals Exploration

Copy to R-III