DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~Defense Minerals Exploration Administration~~

OFFICIAL DOCKET FILE

Idm-E NO._____

OME
~~DMEA~~ NO. 6481

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- [x] Withdrawn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 Comoleted analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual 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
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports

- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual 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

17963

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Bldg. 20, Denver Federal Center
Denver, Colo. 80225
Geological Survey

OFFICIAL
COPY
O. M. E.
RECEIVED
JUL 26 1965
INITIAL | DATE

July 26, 1965

Memorandum

To: Chief, Division of Operations, OME

From: Acting Field Officer, Region III

Subject: Application for OME aid (Silver)
Mary Nevada Mining, Inc.
Silver King claims
Mohave County, Arizona

Attached is the original of the subject application in the amount of $115,000.00.

The shaft has some water and needs retimbering. The Applicant's proposed program is development rather than exploration.

Some of his estimated costs, especially for supervision, are fantastic.

No claim map or Consent to Lien were submitted. Also no copies of his letters to the banks were received with the application.

It might be possible that a diamond drilling program from the surface could be given consideration if the Applicant would submit a completed application.

Hugh M. Connors

Hugh M. Connors

H.M.C. (7-26-65)
cc: File
Chron

MARY NEVADA MINING, INC.
4002 East Highway 66
Kingman, /Arizona

August 20, 1965

Mr. Frank E. Johnson
Chief, Office of
Minerals Exploration
United States
Department of the Interior
Washington 25, D.C.

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 24 1965

INITIALS	CODE
	120
	120

Re: your letter of 8/12/65
OME-6482 (Silver)
Mary Nevada Mining, Inc,
Silver King #1 and #2
Mohave County, Arizona

Dear Mr. Johnson;

We are in hopes the enclosed revised application meets with your approval.

Yours very truly,

Andrew Johannsen Pres.

Andrew Johannsen, Pres.

Changes 5a, 7b, and 7f

INFORMATION REQUIRED WITH APPLICATION

1. FINANCIAL ELIGIBILITY;
   - (a) Letters and insurance loan slip attahced.
   - (b) None
   - (c) Tools, equiptment and supervision. (see attached inventory of tools & equipt.)

2. APPLICANT'S RIGHTS IN LAND;
   - (a) We are the lessee. Lease and copy attached, address of owner is in lease; no liens, mortgages or encumbrances on land. Docket #81 pa ges 468-472 in Kingman Arizona Courthouse, Mohave County. (attached)
   - (b) Section 36, Township 16½ N. Range 15 W., G&S. R. M. Mohave County Arizona. This land is not patented and includes only the present name of Silver King #1 and Silver King #2. In the past Silver King #1 has been known as the Butcher #1; The Bunker Hill and The Carr Mine. The Silver King #2 has been known as The Burcher #2.
   - (c) We are involved only in the Silver King #1 and Silver King #2 as indicated in lease.

3. PHYSICAL DESCRIPTION;
   - (a) Detailed maps attached.
   - (b) We are interested because of favorable assays and a report of Engineers whom we consider reliable.
   - (c) The past record of production of Silver King #2 is not offically available, however, we do have a report by Elgin B Holt Engineer submitted to the State Bureau of Mines in 1939 (see attached). Also we have, during our preliminary exploring, come across approximately 5 ton of ore assaying 200 ounces per ton (silver) and better. This ore was a small body of a better grade silver, and assay values are of the remaining vein in this area. Assay ran 52.3 oz per ton silver and 0.095 copper. Just below this ore occurrence (50 ft. depth) the vein goes from a bromine to orgentite also silver replacement in iron and copper.
   - (d) Refer to Elgin B Holt's report for known ore resorces. (3c)
   - (e) This ore vein runs in a N.W. & S. easternly direction. The old Cedar Basin Mine is furthest mine worked in a northernly direction, as my crude map indicates. The Carr Mine (now Silver King #1 and Silver King #2) are the proporties that have been worked in a southernly dorection. The vein shows up on the various dumps as the sketch indicates, and ore is identical in refence to a mineralized vein of porphyry with a granite hanging wall and franite footwall. These dumps are in line with the direction of the vein and are visible for approxinately 5 miles.
   - (f) We expect to find ore because of past history and assayes (attached). Took samples from vein for assay reports. See sketch under 3c for area taken.
   - (g) Refer to attached two photostatic copies of mine reports under 3c.

4. ACCESSIBILITY OF PROPERTY;
   - (a) An OME representative should contact Jack Cantwell listed phone 753-5158 or proceed from Kingman eastward approcimately 4 miles on highway 66 to the Adco Market on the right hand side. The Mine is approximately 50 miles south on highway 93. Just before entering Wickieup turn right on a graveled road 10 miles west. It would be advisable to ask the service station operator just this side of Wickieup (Shepperd'd Service Station) for directions. Good road to the mine.

REVISED APPLICATION

(b) Kingman Arizona is a railroad shipping point and is 65 miles from the mine.

EXPLORATION WORK 5a

Our exploration program for hi grade silverore shoots in the Silver King #2 (which in the past was the Carr Mine extension)) calls for retimbering a shaft 115 ft depth which we are doing at that present time. This shaft will be accessable soon. Our water level in the shaft is now 75 ft. from the old workings that we have made accessable. We have found that they had stopped on the vein north approximately 80 ft. This is apparently the extent of the old workings on the Carr extension (Silver King #2). Our exploration on this level would be to extend the north drift another 100ft. and extend the south drift 100ft., south of the shaft. Raises to the surface from the 100 ft level should be run for exploration drilling postions and for ventilation.
Our ervised explorational plan includes a pattern of long hole (50ft to 80ft) drill holes from drill positions in the shaft, drifts and raises. This long hole drilling will be done by us within 6 months to a year this work will be completed. This explorational work should include sinking the shaft to the 200 ft. level. The silver ores in this vein from the surface down to approximately 60 ft. are silver bromines and copper pyrites. From the oxidation zone in the vein (approximately 60 ft. depth) the silver ore shoots in the vein going into an orgentite silver ore. The orgentite in the sulphide zone replaces some of the copper and iron pyrites.
Drift tunnels from this 200 ft. level should be run 100 ft. north on this vein and 100 ft. south on the vein. Also raises to the 100 ft. level from the north and south ends of the drifts on the 200 ft. level. These drifts and raises would be run to gain drilling positions to explore the vein for ore shoots (note sketch 5a).

(b) A good road to the property.

(c) If an OME contract is executed, we are prepared to start work immediately. Time periods of each type of work proposed are as follows;

30 days 100 ft. shaft retimbered.

40 days muck, drill, blast and timber 115 ft. shaft

5 days cut station, timber and start drift heading in each direction on vein. These main 200 ft. level drifts will be approximately 6 ft. wide and 7 ft. high to allow clearance for mucking machine bucket.

40 days for both drifts....total 400 ft. Raises will have verde type schutes on the vein stulls and lagging making a 2½x4' man way an utility area. Drilling off the muck schute and a 45 defree bulkhead over man way during blast.

30 days for a total of 400' of raise.
Intermediate slusher drifts proposed for exploration 4 ft. wide and 6 ft. high drilled with jackleg and mucked with slusher and Pacific Scraper.

30 days for a total of 400 ft. of slusher drifts.

6. Experience;
Charles R McGraw is one of the directors of this Corporation and has mined, leased and has operated underground also placermining projects in Arizona, California and Alaska for 20 years.

7. Estimate of costs;

(a) None

(b) Personal services.

1. cost of supervision;

General Foreman.....$750 per month
Shift Boss..... 500 " " "

2. outside consultant ..... 300 for a 6 month period
1hoistman ..... 400 per month.
2 miners..... 500 " " " "
2 laborers..... 400 " " " "

7. con't.

(c) OPERATING MATERIALS AND SUPPLIES:
Fuel, hoisting, air and water line, rail, water pumping, cable, air and electric power, timber wedges, powder, fuse, primers, drill steel and bite, oil and every detail of the exploration is figured into the operation cost. Under this heading is the total cost of the exploration workm equiptment needed and miscellaneous extra parts for machines, rail spikes, shovels, picks, axes, hoses and general hardware needed.

(d) OPERATING EQUIPTMENT:
Will be furnished by the applicant;

1	air compressor in fair condition	market price	$950.
2	jack hammer with crank shells good condition		1050.
1	swed jack hammer & stowper	new	750.
1	jackhammer and jack leg in good condition		400.
1	line oilers	" " " "	150.
1	air ventilation fan	" " " "	300.
1	1½ ton reo water truck	fair condition	965.
1	½ ton chev. 6 cy.	good condition	1600.
1	½ ton chev. V8	" " " " "	2200.
1	ore car	fair " " "	150.
1	pusher stationery pump 9 horse elec. motor (good)		1200.
1	contrifual pump 3 horse elec. motor good condition		600.
2	contrifugal pumps 2 horse elec. motors (good)		500.
1	regid electric threader	good condition	450.
2	torches, gauges, hose and tanks	" " "	480.
1	heavy duty table saw electric	" " "	250.
1	D-6 cat	fair condition	4300.
3	cable hosit	" " " " "	1350.
1	conveier belt on trailer	" " " " "	250.
3	column bars	" " " " "	300.
1	air tugger	" " " " "	500.

(e) INITIAL REHABILITATION AND REPAIRS:
There are no buildings on the property. Reo truck will need a motor overhaul and air compressor will need carborator overhaul.

(f) Cook house and bunk house 15'x20' using cement blocks for building matdrial. Estimate cost for labor, materials and superivision, $7.00 2 square ft.
Hoist room storage and repair building, 15'x 15' using cement blocks for building materials. Estimate cost for labor, materials and supervision $7.00 a square ft.
FIXTURES: INSTALLATIONS

New engine for hoist	$800.
gallows frame 24 ft high	1000.
collar set and retimber shaft to 100ft level	3600.
retimber 100 ft station	600.
sink and timber 100ft shaft to 215 ft (this included a 15 ft. sump) cut station at 200ft. and install our 100 ft. 4'x6' timbered shaft.	13,000.
Contrugal 3 phase electric pump	1200.
total of 400 ft drifts	16,000.
4100 ft raises	10,000.
1 30 K.W. generator on surface	5,000.
1 ingersole rand 10 horse power; 1 double drum slusher and pacific scraper	2,800.
1 EMCO 12 E mucking machine	4,200.
1 hoistman 6 month period	2,400.
2 miners " " " " "	6,000.
2 laborors " " " " "	4,800.

7. con't.

(g) MISCELLANEOUS;

repairs & maintenance;		
gasoline for 3 trucks and 1 air compressor	530.	monthly
motor oil and grease " " " " " " "	30.	"
unforeseen repairs and maintainance on trucks and air compressor such as tires, spark plugs, fan belts, oil filters etc.	25.	"
diesel fuel for cat	10.	"
Analytical work;		
Unknown, have no idea how many assays will be needed.		
accounting; quarterly estimate	75.	quarterly
book keeper estimate	50.	monthly
Workman's Compemsation;		
This can not be determined until we have payroll records and to date we have not been able to hire help because of limited funds.		
Because of limited funds we have had no employees; therefore, no employee liability insurance.		

INVENTORY OF TOOLS AND EQUIPMENT; 1c

1	air compressor	$950.00
200 ft	air hose	450.00
1	air tugger	500.00
2	jack hammers on a crank shell	1100.00
1	swed jack hammer stowper and line oiler	800.00
1	jack hammer, jack leg and line oiler	450.00
1	air ventilation fane and 75 ft. of fan bag	375.00
3 pcs	swed steel, 6 pcs tinken steel and carbon bits	270.00
1	1½ ton 1947 Reo water truck	965.00
1	½ ton 1964 Chev. 6 cy	1600.00
1	½ ton 1964 Chev V8	2200.00
1	housetrailer	575.00
1	water tank heavy duty	250.00
	steel pipe & fittings	400.00
1	ore bucket	75.00
1	" " "	30.00
1	Column" bars	300.00
3	~~column bars~~ jim crow	40.00
1	~~jim crow~~ ore cart	30.00
1	ore ~~cart~~ car	150.00
1	air reserve tank	75.00
2	water jack tanks	150.00
1	pusher stationery pump with 9 horse Elec. motor	1200.00
1	centrifugal upmp 3 horse elec. motor	600.00
2	" " " " " 2 horse elec. motor	500.00
2	construction wheel barrels	70.00
1	rigid pipe vice with trypod	60.00
3	rigid pipe vices bench type	60.00
1	bench vice	35.00
1	complete forge and forge tools and vice	500.00
1	rigid electric threader	450.00
1	electric grinder	50.00
2	torches, gauges, hose and tanks	480100
1	½ " electric drill	80.00
4	¼ " " " " " "	130.00
1	5/8 " Electic drill	45.00
1	heavy duty tabke saw	250.00
2	sets rigid pipe wrenches	240.00
2	sets socket wrenches	70.00
1	set heavy duty sockets	225.00
1	10 sacker cement mixer	750.00
1	D-6 Cat	4300.00
1	chain come along	200.00
8	chiv blocks	160.00
3	cable hoist	1350.00
1	gas hoist motor	300.00
1	conveier belt on trailer	250.00
	mining hand tools	275.00
8	fuel barrels	32.00
1	diesel tank 1000 gal heavy duty	600.00
300	ft 8 lbs mine rail	480.00
100	mine ties	60.00
1	cable cutter	5.00

**********copy**********

7

April 30, 1965

Mr. Westover
First National Bank
of Arizona
1018 4th Ave.
Yuma, Arizona

Dear Mr. Westover;

I am writing you in regards to our conversation the other day concerning a loan of twenty five thousands dollars ($25,000.) for use in a mining project outside Wickieup, Arizona. If more information is needed please contact me.

I would appreciate an early reply.

Yours very truly,

Andrew Johannsen

Andrew Johannsen

4002 East Hwy. 66
Kingman, Arizona
May 15, 1965

Mr. L.B. Graves
Home Office Representative
1st Navajo Bank
Kingman Arizona

Dear Sir

In the name of "The Mary Nevada Mining Inc." I am submitting a request for loan of twenty five thousand dollars (25,000) to assit our IncorporatiOn for exploratory work on on the Silver King #1 and Silver King #2.

In the years past(1927-1936) these properties were known as "The Carr Mine".

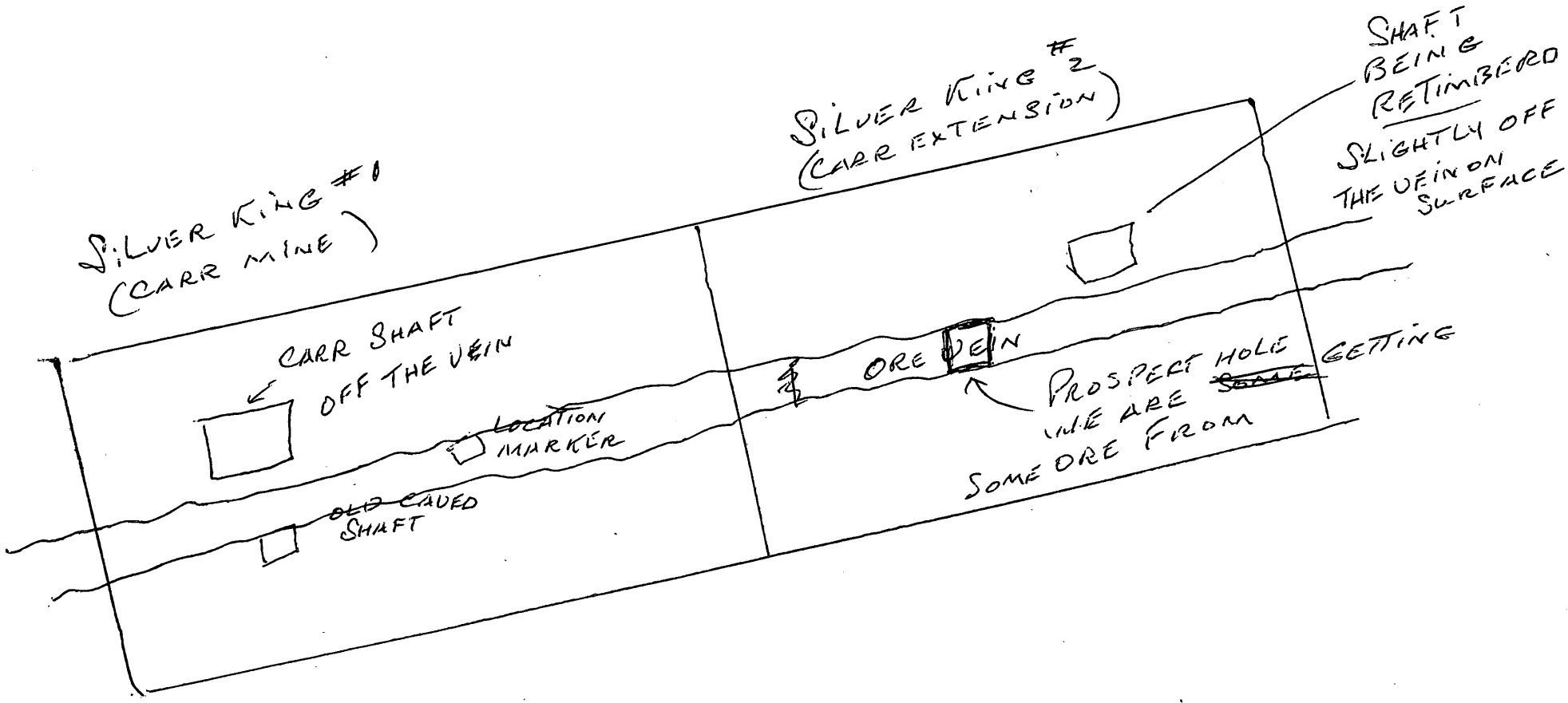
Please let me know as soon as possible by mail concerning this matter

Sincerly yours

Jack Cantwell

Jack Cantwell

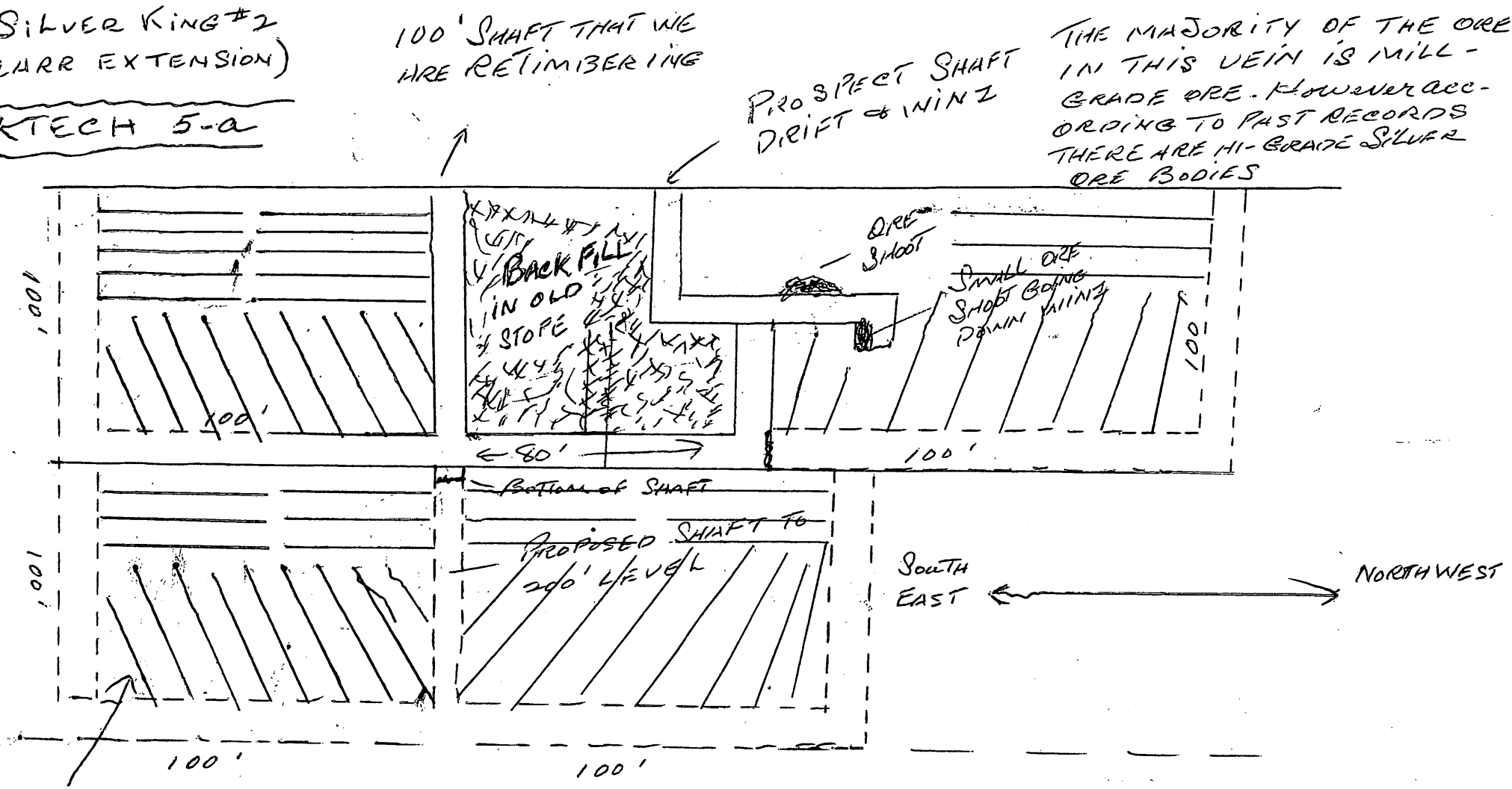
SILVER KING #1
" " #2 NORTH ⟷ SOUTH -



THE SHAFT ON THE SILVER KING #1 (CARR MINE) IS CAVED AROUND THE SURFACE AND IS EITHER BULKHEADED OR HAS BLOCKED ITS SELF AROUND 30' DOWN THE SHAFT - OUR ENCLOSED REPORT ON THE CARR MINE GIVES THE DEPTH AND THE EXTENT OF WORKINGS, ALSO THE VALUES ENCOUNTERED - THIS REPORT IS FROM THE ARIZONA BUREAU OF MINES - WE PLAN TO OPEN THIS SHAFT AS SOON AS POSSIBLE -

SILVER KING #2
(CARR EXTENSION)

SKTECH 5-a



GENERAL PLAN OF LONG-HOLE (50' TO 80') DRILL HOLES TO EXPLORE THE VEIN FOR ORE SHOOTS - WHEN ACTUAL DRILLING IS UNDER WAY. DRILL HOLES WILL VARY SOMEWHAT BECAUSE OF CHANGES IN THE VEIN FORMATION AND CHANGES TO GAIN EXPLORATION INFORMATION - A RECORD WILL BE LOGGED OF THE TESTS AND ASSAYS OF THE DRILLINGS TAKEN FROM THESE LONG HOLES.

MME Form 40
Jan. 65

Budget Bureau No. 42-R1368
Approval expires Dec. 31, 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OFFICIAL COPY

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.)*

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6482

DATE RECEIVED 7.28.65

REGION III

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL	
CORPORATION	X
PARTNERSHIP	
OTHER *(Specify)*	

STATE IN WHICH FIRM IS ORGANIZED Arizona

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Andrew J Johannsen	2306 Mary Ave. Yuma, Arizona	Pres.
Jack Cantwell	4002 East Highway 66 Kingman, Ariz.	V.Pres.
Charles McGrar	4002 East Highway 66 Kingman, Ariz.	Secy. officer

OME
DEPARTMENT OF THE INTERIOR
JUL 26 1965
REGION III
DENVER, COLORADO

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE
Silver

ESTIMATED COST OF PROJECT
$ 115,000.00

PROPERTY NAME	LOCATION COUNTY	STATE
Silver King #1	Mohave	Arizona
Silver King #2	Mohave	Arizona

GENERAL INSTRUCTIONS

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

CERTIFICATION

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

July 23-1965
DATED

Andrew J Johannsen Pres.
BY *(Signature)*
President
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).]

NT.-DUP. SEC., WASH., D.C

apply to 3(f)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

SHATTUCK DENN MINING CORPORATION

Iron King Branch

ASSAY OFFICE

HUMBOLDT, ARIZONA Jack Cantwell

DATE 5-16-65

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
	Samples #1		210,9			0,1		4.30
	#2		8,0			0.1		0.20
	#3		43,6			0.1		0.38
	chgd $13.50							
	Paid $9.75							
	Bal. Due $3.75							

ASSAYER

2M 8-64 Mc

applyto 3(f)
Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

SHATTUCK DENN MINING CORPORATION
Iron King Branch

ASSAY OFFICE

HUMBOLDT, ARIZONA Jack Cantwell DATE 12-22-64

	DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
		.02	58.4			38.8		1.65
	Chg $4.00							
	Paid							
	REGISTERED ASSAYER CERTIFICATE WALTER G. SLATTER DEC. 31, 19 ARIZONA, U.S.A.							
	Walter G. Slatter							

ASSAYER _____

2M 8-64 MC

~~[illegible]~~

J. X. ~~Hollenspurgh~~

[illegible] aus

PH 79998

apply to 3(f)
Mary Nevada Mining, Inc.
4602 East Highway 66
Kingman, Arizona

SHATTUCK DENN MINING CORPORATION

Iron King Branch

ASSAY OFFICE

HUMBOLDT, ARIZONA Jack Cantwell DATE 2-1-65

DESCRIPTION	Au	Ag		Fe	Pb	Zn	Cu
Sample # 1	.06	68.2			2.2		0.68
2	.03	31.4			0.8		0.60
3	.03	12.1			0.6		0.42
4	.07	219.2			23.4	3.8	
Charges $16 50							
Paid $12 00							
Bal due $4 50							

REGISTERED ASSAYER
CERTIFICATE EXPIRES
DEC. 31, 1965
WILLIAM A. STAYLER
ARIZONA, U.S.A.

ASSAYER _____

2M 8-64 MC

apply to 3(f)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

Shop No. 1577
File No. 544 JO

Date 7 JULY 1965

Arizona Assay Office

815 NORTH FIRST STREET
Phone: 253-4001

Phoenix, Arizona 85001
P. O. BOX 1148

VALUES
Latest Quotation

1 oz. Gold
1 oz. Silver
1 lb. Copper
1 lb. Lead
1 lb. Zinc

THIS CERTIFIES
Samples submitted for assay contain as follows:

MR.A.J.JOHANNSEN
2306 MARY AVE
YUMA

Short Ton ..... 2000 Lbs.
Short Ton Unit ..... 20 Lbs.
Long Ton ..... 2240 Lbs.
Long Ton Unit ..... 22.4 Lbs.

MARKS	SILVER PER TON Ozs.	SILVER PER TON Tenths	VALUE PER TON	GOLD PER TON Ozs.	GOLD PER TON 100ths	VALUE PER TON	TOTAL VALUE PER TON of Gold & Silver	PERCENTAGE COPPER	REMARKS
#1	52	.3	$65.37					0.095	
#2	8	.6	$10.75					0.09	

REGISTERED ASSAYER
CERTIFICATE EXPIRES
JACK E. A. STONE
DEC. 31 19
ARIZONA, U.S.A.

Charges $ 10.00 PAID

Assayer Jack Stone
JACK STONE REG. No. 5479

ANDY CHUKA, PRINT

NEW YORK LIFE INSURANCE COMPANY

51 MADISON AVENUE, NEW YORK, N. Y. 10010

STATEMENT OF POLICY LOAN ACCOUNT

21 267 653 — POLICY NUMBER
OCT 01 64 — DATE
L ANDREW J JOHANNSEN — INSURED

ADDRESS CORRESPONDENCE TO:
40929

CENTRAL SERVICE OFFICE MANAGER,
NEW YORK LIFE INSURANCE CO.
BOX 4158 TERM. ANNEX
LOS ANGELES CAL 90054

SUMMARY		DETAILS	$
ANDREW J JOHANNSEN 2306 MARY AVE YUMA ARIZ	NEW LOAN *** $ 1185.00	CASH LOAN, CHECK NO, L510018286	1185.00
		NEW LOAN, EFFECTIVE SEP 29 64	1185.00
L			
REVISED INTEREST OF $3.73 DUE OCT 22 1964		APPLY TO L(a) MARY NEVADA MINING, INC. 4002 East Highway 66 Kingman, Arizona	

RETAIN THIS ORIGINAL. DO NOT DESTROY AS DUPLICATE IS NOT AVAILABLE FROM COMPANY

L63-LSA, 2-64
Printed in U.S.A

INFORMATION REQUIRED WITH APPLICATION

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

1. Financial Eligibility;

   (a) Letters and Insurance loan slip attached.
   (b) None
   (c) Tools, Equipment and supervision. (see attached inventory of tools and equip.)

2. Applicant's Rights in Land;

   (a) We are the Lessee. Lease and copy attached, address of owner is in lease; no liens, mortgages or encumbrances on land. Docket # 81 pages 468-472 in Kingman Arizona Courthouse, Mohave County. (attached)
   (b) Section 36, Township 16½ N, Range 15 W., G & S. R. M. Mohave County Arizona. This land is not patented and includes only the present name of Silver King #1 and Silver King #2. In the past Silver King #1 has been known as The Butcher #1; The Bunker Hill and The Carr Mine. The Silver King #2 has been known as The Butcher #2.
   (c) We are involved only in the Sliver King #1 and Silver King #2 as indicated in lease.

3. Physical Description;

   (a) Detailed maps attached.
   (b) We are interested because of favorable assays and a report of Engineers whom we consider reliable.
   (c) The past record of production of Silver King #2 is not offically available, however, we do have a report by Elgin B Holt Engineer submitted to the State Bureau of Mines in 1939 (see attached). Also we have, during our preliminary prospecting, taken out approximately 5 ton of ore assaying 200 ounces perton (silver) and better. This ore was a small body of a better grade silver, and assay values are of the remaining vein in this area. Assay ran 52.3 oz. per ton silver and 0.095 copper. Just below this ore Occurrence (50 ft depth) the vein goes from a bromine to argentite also silver replacement in iron and copper.
   (d) Refer to Elgin B Holt's report for known ore reserces. (3c)
   (e) This ore vein runs in a N.W. & S. easternly direction. The Old Cedar Basin Mine is furthest mine worked in a northernly direction, as my crude map indicates. The Carr Mine (now Silver King #1 and Silver King #2) are the properties that have been worked in a southernly direction. The vein shows up on the various dumps as the sketch indicates, and ore is identical in reference to a mineralized vein of porphyry with a granite hanging wall and granite footwall. These dumps are in line with the direction of the vein and are visible for approximately 5 miles.
   (f) We expect to find ore because of past history and assays (attached). Took samples from vein for assay reports. See sketch under 3e for area taken.
   (g) Refer to attached two photostatic copies of mine reports under 3c.

4. Accessibility of Property;

   (a) An OME representative should contact Jack Cantwell listed phone 753-5158 or proceed from Kingman eastward approximately 4 miles on highway 66 to the Adco Market on the right hand side. The mine is approximately 50 miles south on highway 93. Just before entering Wickieup turn right on a graveled road 10 miles west. It would be advisable to ask the service station operator just this side of Wickieup (Shepperd's Service Station) for directions. Good road to the mine.

4. con't.

(b) Kingman Arizona is a railroad shipping point and is 65 miles from the mine.

5. Exploration Work;

(a) Our exploration work well call for retimbering 100 ft. of existing shaft, Timber station at 100 ft. level. Due to the unknown condition, we plan to sink another 100 ft., cut a station and water sump and proceed to drift on the vein 200 ft. southernly and 200 ft. northernly (6'x7' drift) in exploration for silver ores. This 200 ft. level drift will be drilled with a jackleg and mucked with an EMCO 12 E mucking machine, hand trammed and hoisted to surface. Any ores in this vein encountered will be carefully mined and sorted, then stock piled or shipped to American Smelting & Refining Co. at Hayden, Arizona, if the values are profitable. This applies to raises, intermediates and any workings. In this 200 ft. drift, southernly and northernly and on the vein we propose 4'x6' raises (or near in case of cave areas on the old 100 ft. level) to the 100 ft. level, from 100 ft. intervals on the 200 ft. level. For further exploration we propose to connect these raises with intermediate slusher drifts 4'x6'. A map of designated working is attached, see 3 (e) for reference.

(b) A good road to the property.

(c) If an OME contract is executed, we are prepared to start work immediately. Time periods of each type of work proposed are as follows;

30 days 100 ft. shaft retimbered.

40 days muck, drill, blast and timber 115 ft. shaft

5 days cut station, timber and atart drift heading in each direction on vein. These main 200 ft. level drifts will be approximately 6 ft. wide and 7ft. high to allow clearance for mucking machine bucket.

40 days for both drifts....total 400 ft. Raises will have verde type schutes on the vein stulls and lagging making a 4'x4' muck schute and a 2'x4' man way and utility area. Drilling off the muck in the muck schute and a 45 degree bulkhead over man way during blast.

30 days for a total of 400' of raise.
Intermediate slusher drifts proposed for exploration- 4 ft. wide and 6 ft. high drilled with jackleg and mucked with slusher and Pacific Scraper.

30 days for a total of 400 ft. of slusher drifts.

6. Experience;

Charles R. McGraw is one of the directors of this Corporation and has mined, leased and has operated underground; also placer mining projects in Arizona, California and Alaska for 20 years.

7. Estimate of Costs;

(a) NONE

(b) Personal Services.

1. cost of supervision;

Jack Cantwell .....General Mgr.$1100. per month for a 6 mo period

A.J. Johannsen.....Supt. of supplies; procurment $1100 per month ~~period~~ for period of 6 months.

Chas. R Mc Graw.... underground foreman $1000 per month; six month period.

7. con't.

(2) outside consultant;

Lee Witter	$300.	for a 6 month period

cost of miners and laborers;

1 hoistman	$600.	per month for a 6 month period
2 miners	$1000.	per month for a 6 month period
2 laborers	$800.	per month for a 6 month period

(c) Operating materials and supplies;
Fuel, hoisting, air and water line, rail, water pumping, cable, air and electric power, timber wedges, powder, fuse. primers, drill steel and bits, oil and every detail of the exploration is figured into the operation cost. Under this heading is the total cost of the exploration work, equiptment needed and miscellaneous extra parts for machines, rail spikes, shovels, picks, axes, hoses and general hardware needed.

(d) Operating equipment;
Will be furnished by the applicant;

1	air compresser in fair condition	market price	$950.
2	jack hammer with crank shells good condition		1050.
1	Swed jackhammer & stowper	new	750.
1	jackhammer and jack leg in good condition		400.
3	line oilers	" " " " "	150.
1	air ventilation fan	" " " " "	300.
1	1½ ton Reo water truck	fair condition	965.
1	½ ton Chev. 6 cy.	good condition	1600.
1	½ ton Chev. V8	" " " " "	2200.
1	Ore Car	fair " " "	150.
1	pusher stationery pump 9 horse Elec. motor(good)		1200.
1	centrifugal pump 3 horse Elec. motor good condition		600.
2	Eentrifugal pumps 2 horse Elec. motors	" " " "	500.
1	regid electric threader	" " " "	450.
2	torches, gauges. hose and tanks	" " " "	480.
1	Heavy duty table saw electric	" " " "	250.
1	D-6 cat	fair " "	4300.
3	cable hosit	fair " "	1350.
1	conveier belt on trailer	" " " "	250.
3	column bars	" " " "	300.
1	air tugger	" " " "	500.

(e) Initial rehabilitation and repairs.
There are no buildings on the property. Reo truck will need a motor overhaul and air compressor will need carborator overhaul.

(f) Cook house and bunk house 15'x20' using cement blocks for building material. Estimate cost for labor, materials and superivision, $10..00 a square ft.
Hoist room storage and repair building, 15'x15' using cement blocks for building materials. Estimate cost for labor, materials and supervision $10.00 a square ft.
Fixtures; Installations

New Engine for hoist	$800.00
Gallows Frame 24 ft. high	1000.
collar set and retimber shaft to 100ft. level	3600.
retimber 100 ft station	600.
sink and timber 100ft. shaft to 215 ft. (this includes a 15 ft. sump)	18,000.

cut station at 200ft. and install our

7 (f) con't.

centrugal 3 phase electric pump	$1200.
two 200 ft. drifts on vein southernly and northernly.	16,000.
Run two raises from each of these drifts 100ft. apart 100 ft. high on the vein to the 100 ft. level	11,000.
Connect these raises with intermediate slusher drifts 50 ft. up the raises from the 200 ft. level	8,000.
1 50 ton ore bin on surface	800.
1 30 K.W. Generator on surface	5,000.
1 Ingersole rand 10 horse power; 1 double drum slusher and pacific scraper	2,800.
1 EMCO 12 E mucking machine	4,200.
6 months salaries for supervision (3 persons)	~~18,000.~~ 19,200.
1 hoistman 6 month period	3,600.
2 miners " " " " "	12,000.
2 laborers " " " " "	4,800.

(g) Miscellaneous;

Repairs & maintenance;

gasoline for 3 trucks and 1 air compresser	530. monthly
motor oil and grease " " " " " " "	30. "
unforeseen repairs and maintainance on trucks and air compresser such as tires, spark plugs, fan belts, oil filters etc.	25.00 "
diesel fuel for cat	10.00 "

Analytical work;
unknown. Have no idea how many assays will be needed.

accounting; quarterly estimate	75.00 quarterly
book keeper estimate	50.00 monthly

Workman's Compensation;
This can not be determined until we have payroll records and to date we have NOT been able to hire help because of limited funds.
Because of limited funds we have had no employees, therefore; no employees liability insurance.

apply t(a)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

YUMA UPTOWN OFFICE
1018 FOURTH AVENUE, YUMA, ARIZONA • SUnset 2-4331

April 16, 1965

Mr. Andrew J. Johannsen
2306 Mary Ave.
Yuma, Arizona

Dear Mr. Johannsen:

With reference to your letter dated April, 1, 1965 in regards to a loan of $25,000.00 to assist you in your mining operation. In order to accommodate this request, the loan would have to be secured. We are unable to grant this loan at this time as insufficient security is available in your mining operation.

Thank you for your inquiry, I remain

Very truly yours,

E R Weston

E. R. Weston
Assistant Manager

ERW:z

apply to 1(a)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

THE FIRST NAVAJO NATIONAL BANK

315 Oak Street
KINGMAN, ARIZONA

May 16, 1965

Mr. Jack Cantwell
4002 E. Highway 66
Kingman, Arizona

Dear Mr. Cantwell:

With reference to your application for a loan in the amount of $25,000.00 to assist you in your mining operation, we are unable to grant this loan to you as our bank is unable to service this type of loan.

We are sorry that we are unable to be of service to you at this time. If we can be of assistance at a later date, please do not hesitate to call on us.

Sincerely yours,

L. D. Graves
Home Office Representative

LDG:dh

apply to

Inventory of tools and equiptment; 1 (c)

1	air compresser	$950.00
200 ft	air hose	450.00
1	air tugger	500.00
2	jack hammers on a crank shell	1100.00
1	swed jackhammer&stowper and lineoiler	800.00
1	jackhammer, jackleg and line oiler	450.00
1	air ventilation fan and 75 ft. of fan bag	375.00
3 pcs	swed steel, 6 pcs tinken steel and carbon bits	270.00
1	1½ ton 1947 Reo water truck	965.00
1	½ ton 1964 Chev 6 cy	1600.00
1	½ ton 1964 Chev. V8	2200.00
1	housetrailer	575.00
1	water tank heavy duty	250.00
	steel pipe & fittings	400.00
1	ore bucket	75.00
1	" " " "	30.00
3	column bars	300.00
1	jim crow	40.00
1	ore cart	30.00
1	ore ~~xxxx~~ car	150.00
1	air reserve tank	75.00
2	water jack tanks	150.00
1	pusher stationery pump with 9 horse electric motor	1200.00
1	centrifugal pump 3 horse electric motor	600.00
2	cnetrifugal pump 2 horse electric motor	500.00
2	construction wheel barrels	70.00
1	rigid pipe vice with tripod	60.00
3	rigid pipe vices bench type	60.00
1	bench vice	35.00
1	complete forge and forge tools and vice	500.00
1	rigid electric threader	450.00
1	electric grinder	50.00
2	torches, gauges, hose and tanks	480.00
1	½ " electric drill	80.00
4	¼ " electric drill	130.00
1	5/8" " " " "	45.00
1	heavy duty table saw	250.00
2	sets rigid pipe wrenches	240.00
2	sets socket wrenches	70.00
1	set heavy duty sockets	225.00
1	10 sacker cement mixer	750.00
1	D-6 cat	4300.00
1	chain come along	200.00
8	shiv blocks	160.00
3	cable hoist	1350.00
1	Gas hoist motor	300.00
1	conveier belt on trailer	250.00
	mining hand tools	275.00
8	fuel barrels	32.00
1	diesel ~~xxuck~~ tank 1000 gal heavy duty	600.00
300	ft 8 lbs mine rail	480.00
100	mine ties	60.00
1	cable cutter	5.00

Mary Nevada Mining , Inc.
4002 East Highway 66
Kingman, Arizona

apply to [illegible])

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

Lease and Option

PARTIES

JACK H. OWEN, and
CHARLEY S. STOCKBRIDGE,

of the County of....., State of....., referred to as "Lessor."

and

Jack Cantwell
Andrew Johannsen,

of the County of Mohave, State of Arizona

CONSIDERATION

The consideration for the execution of this Lease and Option by Lessor is the sum of $10.00 in cash, which shall apply against the minimum royalty, receipt of which is acknowledged by Lessor, and the mutual promises of the parties.

LEASEHOLD

Lessor leases to Lessee and Lessee leases [illegible] term of..... years, commencing on the..... day of....., 19.... [illegible] erty, including structures and fixtures, situated in the County of..... ....., described as:

10 years (ten), the lo[illegible] or a 10 (ten) year renewal if the mine has shown a reco[illegible] ate [illegible] the general value of the mine and adjo[illegible] # 1 and SILVER KING # 2 Lessees will have [illegible] or not to apply for and obtain a government loan or [illegible] any source.

TERMS

1. *Warranty.* Lessor warrants that Lessor has the legal right to grant to Lessee the leasehold, the option and the rights covered and conveyed by the Lease and Option, and that during the term hereof Lessee will have the full and unrestrained use and possession of the leasehold, including all mining rights.

2. *Preliminary Examination.* For a period of.....months from the date hereof, Lessee shall have the full and unrestrained right, without rental or royalty, to enter upon and explore any part or all of the leasehold and to undertake trial operations and preliminary mining operations, including the right to mine, extract and remove any amount of ore or ores determined necessary or desirable by Lessee for testing, sampling and assaying purposes or for any other purpose reasonably related to Lessee's efforts to determine the value of the leasehold for commercial mining operations.

3. *Development Program.* After completion of the preliminary examination to be conducted under paragraph 2, provided Lessee shall not have terminated this Lease and Option, Lessee, with reasonable diligence, will commence a development program in preparation for commercial mining operations on all or a part of the leasehold, in such manner and to such extent as Lessee in Lessee's sole judgment may deem to be desirable, which may consist of diamond drilling, trenching, crosscutting, construction of roads, dams, buildings and other structures, the drilling of water wells, and the installation of pipelines, machinery and equipment. Lessor will cooperate with Lessee at all times during the term of this Lease and Option to enable Lessee to obtain contracts with the United States or agencies thereof or any State or agency thereof, pursuant to programs or procedures, now existing or established in the future, of the United States government or agencies thereof or of any State or agency thereof, to explore and develop mineral deposits on the leasehold and, upon request of Lessee, shall execute as owner of the mining claims and property subject to this Lease and Option all contracts relating to such exploration and development work which may be required by the United States or agencies thereof or by any State or agency thereof or may be required to comply with any such governmental program or procedure. Lessor authorizes [illegible] and anyone delegated by Lessee, to execute such contracts in the name of Lessor and on Lessor's behalf, and [illegible] being an interest in the leasehold, shall be [illegible] during the term of this Lease and Option.

4. *Mining Operations.* Upon completion of the development program contemplated by [illegible] Lessee in Lessee's sole judgment shall determine that all or part of the leasehold can be [illegible] reasonable profit, Lessee will commence mining operations on the leasehold and thereafter [illegible] mining operations in a good and miner like manner consistent with economical [illegible] conditions and in compliance with applicable laws and applicable rules, regulations [illegible] agencies. Lessee shall have the right to mine, remove, process and sell ore and all metallic and [illegible] substances, water and other mineral [illegible] substances located [illegible]

apply to 2(a)
2(a)

Mary Nevada Mining, Inc.
002 East Highway 66
Kingman, Arizona

and in connection therewith Lessee shall have the right to erect and thereafter to remove any buildings, structures and facilities and the right to make excavations, pits, tunnels and other openings and otherwise may use the leasehold and may conduct operations thereon in such manner as he may deem necessary or convenient.

5. *Royalty.* Upon completion of the preliminary examination under paragraph 2, and during the development program under paragraph 3, Lessee will pay to Lessor a minimum royalty of $.....per month. After commencement of mining operations under paragraph 4, Lessee will pay to Lessor an earned royalty at the rate of

The Lessor will retain a straight 10% per cent of the net smelter.....
returns royalty will be paid from each smelter check as the check.....
comes to the Lessee$.....
.....

(a) all ores and other substances mined or removed from the leasehold and sold and paid for, with a minimum royalty of $.....per month. ("net smelter returns" and "net market returns" if used in the foregoing royalty provision shall mean the net amount received by Lessee from the sale of ores or concentrates or other substances mined or removed from the leasehold less the sum of the cost of transportation from the leasehold to smelter, refinery, buying depot or other market place, and taxes applicable to such delivery and sale.)

The royalty for each month will be paid to Lessor by Lessee on or before the 20th day of the following month and any excess of the earned royalty over the minimum royalty shall cumulate and be credited to minimum royalties as they become payable, and any excess of the minimum royalty over the earned royalty shall cumulate and be credited to earned royalties as they become payable.

6. *Utilities.* During the life of this Lease and Option Lessee shall have the right to authorize any public or private utility company to erect and maintain electricity connections, gas lines, or water lines upon the leasehold and, if necessary or appropriate, Lessor will grant, and by executing this Lease and Option does grant, to the utility company or companies the required easements and rights of way.

7. *Taxes and Assessment Work.* During the life of this Lease and Option Lessee will pay all taxes and assessments levied on the leasehold and will do or cause to be done all required assessment work. Lessee shall have the right at any time to patent any or all of the mining claims covered by this Lease and Option.

8. *Impairment of Lessee's Rights.* During the life of this Lease and Option Lessor will not do, cause or permit to be done any act or thing that might prejudice, impair or burden Lessee's rights hereunder, and will not convey or suffer any encumbrance to be placed on all or any part of the leasehold.

9. *Inspection.* Lessor shall have the right during ordinary working hours and at reasonable intervals to make reasonable inspection of Lessee's operations on the leasehold and of Lessee's records relating to the ore or other substances mined or removed from the leasehold, and sold and paid for.

10. *Delays.* Lessee shall be excused for failure to fulfill any obligation imposed upon Lessee under this Lease and Option and such obligation shall be suspended when the failure shall result from an act of God, governmental order, rule or regulation, bank holiday or failure of any financial institution in which Lessee has funds on deposit, inability to obtain materials, supplies, equipment, power or labor, whatever the cause, enemy activity or sabotage, or during any period when the price of ore or other substances mined or removed from the leasehold shall be less than the cost of production.

11. *Assignment.* Lessee shall have the right to sublet any portion of the leasehold and the right to assign this Lease and Option provided the assignee assumes the obligations of Lessee hereunder, and upon such assignment and assumption the present Lessee shall be relieved of all liability hereunder, with the assignee being solely liable for the obligations of Lessee.

12. *Termination by Lessee.* Lessee may terminate and surrender this Lease and Option at any time, whereupon all liability of Lessee to Lessor shall terminate, except for accrued and unpaid royalties.

13. *Termination by Lessor.* If Lessee shall become in default hereunder, without being excused under the provisions of paragraph 10, and shall fail to commence action to cure the default within 30 days after receiving written notice from Lessor, this Lease and Option may be terminated by Lessor. Upon the termination under this paragraph 13, all rights and obligations of Lessee hereunder shall terminate, except for accrued and unpaid royalties.

14. *Additional Mining Claims.* Lessee shall have the right to acquire additional mining claims or properties adjacent to or near the leasehold without any royalty or rental obligations to Lessor. Should Lessee acquire additional mining claims or properties he may consolidate operations on the additional claims or properties with the leasehold and, to the extent deemed desirable by Lessee, Lessee may drive tunnels, make openings or extend open pits from the leasehold to the adjoining claims or properties and otherwise conduct operations in the same manner and to the same extent as if the leasehold and the adjoining claims or properties constituted a single unit, provided only that Lessee shall maintain adequate records disclosing the amount of ore or other substances mined or removed and sold from the leasehold in order that the earned royalties payable to Lessor under paragraph 5 may be calculated with reasonable accuracy.

15. *Removal of Property.* At any time during the life of this Lease and Option and within 90 days after its termination, whether under paragraph 12 and paragraph 13, or by expiration of the term, Lessee shall have the right to remove all or any of the property placed upon the leasehold by Lessee, including, without limiting the general, fixtures, equipment, buildings, structures, pipelines, stockpiles and other severable items regardless of how, when or where placed, affixed, attached or imbedded, but excluding and excepting mine support shafts, head frames and timbers.

16. *Option.* Lessee shall have the option, by notice in writing mailed or otherwise given to Lessor, at any time during the life of this Lease and Option to purchase the leasehold at a price of $.....against which price all royalties paid by Lessee under paragraph 5 shall be credited and applied. If Lessee should exercise this option Lessor will execute and deliver to Lessee, or Lessee's nominee, a grant deed or other document conveying the leasehold free and clear of any liens, obligations or encumbrances. At any time during the life of this Lease and Option, upon demand of Lessee, Lessor will execute and deposit in an escrow selected by Lessee a grant deed or other document conveying the leasehold to Lessee, or Lessee's nominee, with appropriate instructions to deliver

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apply [illegible] 2(a)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

grant deed or document to Lessee upon the exercise by Lessee of the option [illegible] paid by Lessee.

17. *Number.* As used in this Lease and Option, the words "Lessor" and "Lessee" include a corporation, an individual or two or more of either or both in order to [illegible] the identity of the party or parties.

18. *Heirs and Assigns.* This Lease and Option shall be binding upon and [illegible] the benefit of the heirs, executors, administrators and assigns of Lessor and Lessee.

19. *Special Provisions.* The option to buy [illegible] (Forty Thousand) is applicable to the lessees. The time period in the option to buy will include the 10 (ten) years, renewal period as well as the first 10 yrs (the main idea is to leave the right, or option to buy, anytime in a period of 20 yrs. NO guarantee per month or year or regular payments, lessees can [illegible] SOLE RIGHTS AND OPTION TO BUY).

LESSES [illegible] Royal

Executed as of the 7th day of [illegible] 1965

Joseph Continelli

Andrew J. Hansen

"LESSEE"

[illegible] H. Hansen

[illegible]

"LESSOR"

NOTE: If Lessor or Lessee is a corporation, seal must be affixed and Secretary should attest it.

[SEE REVERSE FOR ACKNOWLEDGMENT FORMS WHICH MUST BE COMPLETED]

a[illegible]y to 2(a)

M[illegible] Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

(Form of acknowledgment for individual as Lessor)

STATE OF Arizona
COUNTY OF Mohave } ss.

On the 7 day of July 1965, before me, the undersigned, a Notary Public, personally appeared Jack H. Owen and C. J. Stockbridge known to me to be the person or persons whose name is or names are subscribed to the within Lease and Option as Lessor, and acknowledged that he or they executed the same freely and voluntarily.

Peggy B. Smith
Notary Public: Commission expires Dec. 26, 1968
(Notary must affix seal)

(Form of acknowledgment for corporation as Lessor)

STATE OF Arizona
COUNTY OF Mohave } ss.

On the ..... day of ....., 19...., before me, the undersigned, a Notary Public, personally appeared ....., known to me to be the ..... President, and ....., known to me to be the ..... Secretary of the corporation that executed the within Lease and Option as Lessor, known to me to be the persons who executed the within Lease and Option on behalf of such corporation, and acknowledged to me that such corporation executed the same and affixed its seal freely and voluntarily by authority of its board of directors and that the seal affixed thereto is the corporate seal of such corporation.

.....
Notary Public: Commission expires .....
(Notary must affix seal)

(Form of acknowledgment for individual as Lessee)

STATE OF Arizona
COUNTY OF Mohave } ss.

On the 7th day of July 1965, before me, the undersigned, a Notary Public, personally appeared Jack Cantwell and Andrew Johanneen known to me to be the person or persons whose name is or names are subscribed to the within Lease and Option as Lessee, and acknowledged that he or they executed the same freely and voluntarily.

Mary Jane Wenke
Notary Public: Commission expires Jan. 21, 1966
(Notary must affix seal)

(Form of acknowledgment for corporation as Lessee)

STATE OF .....
COUNTY OF .....} ss.

On the .... day of ..... 19.... before me, the undersigned, a Notary Public, personally appeared ....., known to me to be the ..... President, and ....., known to me to be the ..... Secretary of the corporation that executed the within Lease and Option as Lessee, known to me to be the persons who executed the within Lease and Option on behalf of such corporation, and acknowledged to me that such corporation executed the same and affixed its seal freely and voluntarily by authority of its board of directors and that the seal affixed thereto is the corporate seal of such corporation.

.....
Notary Public: Commission expires .....
(Notary must affix seal)

472 apply to 2(a)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

Recorded at request of Andrew Johannsen

July 7, A. D. 1965, at 45 Minutes Past 1:00 o'clock, P. M.

in Book ..... of ..... Page .....

in Docket Number 81, Pages 468-472, Records of Mohave County, Arizona.

By Ione J. Krause
Deputy Recorder

Peggy B. Smith
Recorder

Ret: c/o Jack Cantwell
4002 East Highway 66
Kingman, Ariz -

152215

INDEXED

PHOTO COPIED

apply to 2(a)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

ASSIGNMENT OF LEASE AND OPTION

KNOW ALL MEN BY THESE PRESENTS:

That we, JACK CANTWELL and ANDREW JOHANNSEN, for and in consideration of the sum of TEN DOLLARS($10.00) and other good and valuable consideration to us in hand paid by MARY NEVADA MINING,INC. of Kingman, County of Mohave, State of Arizona, receipt of which is hereby acknowledged do by these presents sell, convey, assign, transfer and set over unto the MARY NEVADA MINING, INC., a certain indenture of LEASE WITH OPTION, bearing date of the 7th day of July 1965 made by JACK H. OWEN and C.J.STOCKBRIDGE, Lessors of the County of Mohave, State of Arizona, of certain Mining Property as designated in said Lease recorded on July 7, 1965 at 1 o'clock P.M. in Docket Number 81 Pages 468-472 INDEX 152215 lying and being in the County of Mohave, State of Arizona in CEDAR MINING DISTRICT and known as SILVER KING #1 and SILVER KING #2.

TO HAVE AND TO HOLD the same unto the MARY NEVADA MINING,INC. its assigns, from the date hereof for and during the remainder to come of said term mentioned in said indenture of said LEASE AND OPTION and we do hereby covenant and agree with the MARY NEVADA MINING,INC. that the said assigned premises now are free and clear of all former and other gifts, grants, bargains, sales, leases, judgment and executions and encumbrances by us suffered, made or created.

NOW DATED this 7/1 day of July,1965.

Jack Cantwell
JACK CANTWELL

Andrew Johannsen
ANDREW JOHANNSEN

STATE OF ARIZONA)
COUNTY OF MOHAVE)SS

On this 7/1 day of July,1965 before me,O.ELLIS EVERETT,the undersigned,a Notary Public in and for the County and State aforesaid personally appeared JACK CANTWELL and ANDREW JOHANNSEN,known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same for the purposes therein contained.

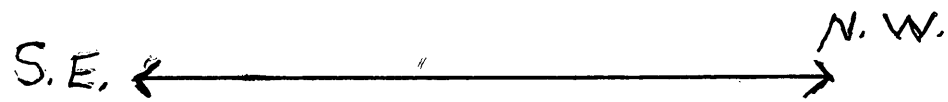
IN WITNESS WHEREOF I hereunto set my hand and Official Seal.

O.Ellis Everett
O.ELLIS EVERETT, Notary Public

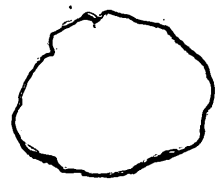
My Commission Expires:
February 27,1966

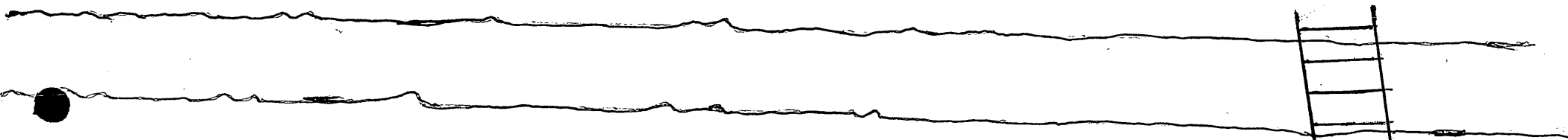
O.ELLIS EVERETT
ATTORNEY AT LAW
430 E. Beale Street
Kingman,Arizona

SILVER KING #2

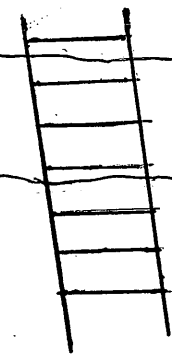


CENTRAL LOCATION MARKER





SHAFT THAT WAS SUNK TO ←115 FT. HAS WATER AT 75 FT. IS SUNK OFF THE VEIN IS IN GOOD SHAPE FOR RETIMBERING AND IS THE SHAFT THAT WILL BE USED FOR THE EXPLORATION WORK.

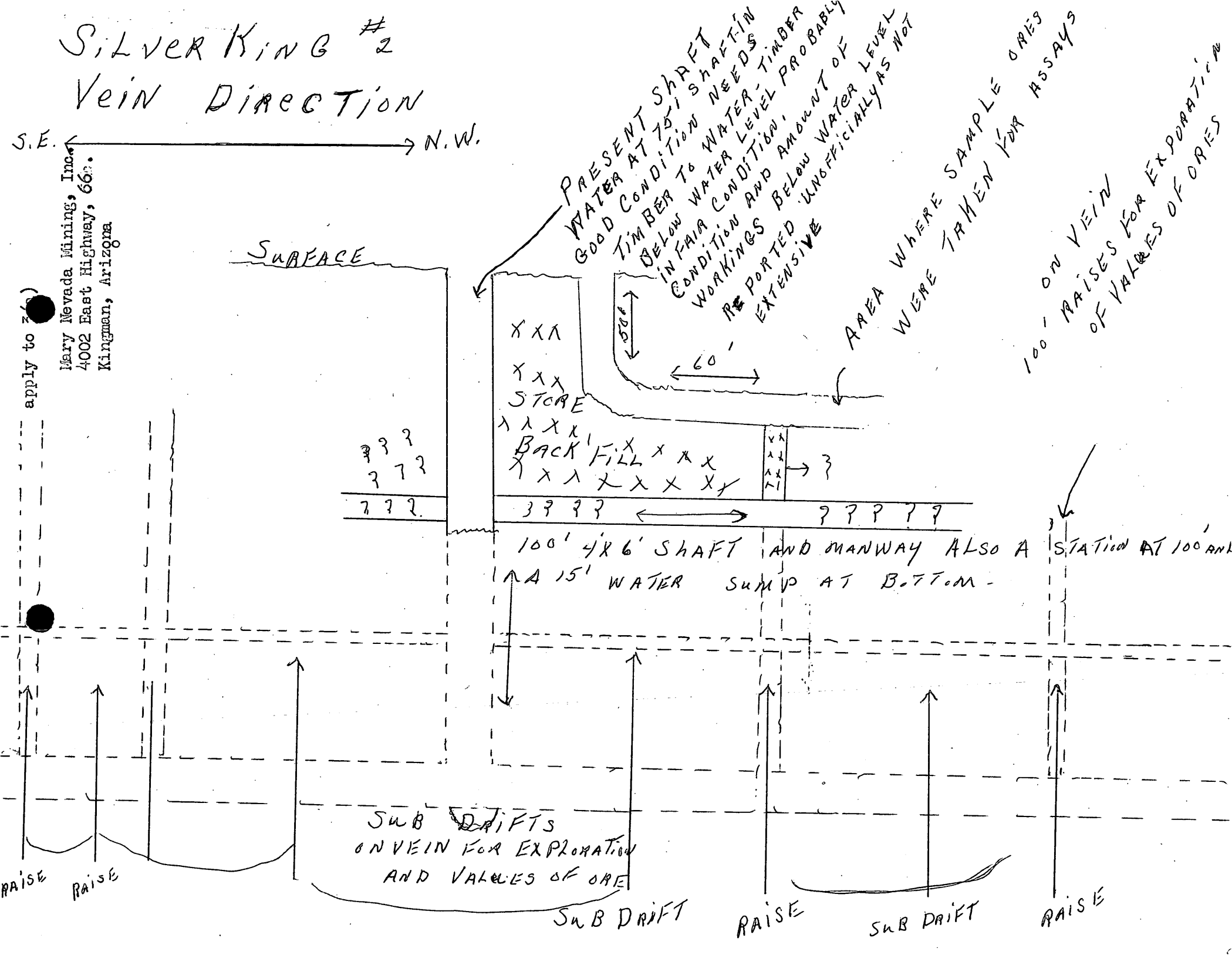


OLD SHAFT THAT WE HAVE PROSPECTED IN AND HAVE TAKEN OUT 5 TONS OF NEWLY MINED ORE IT IS APPROXIMATELY 50 FT. DEEP AND GOOD INDICATIONS OF ORE.

apply to 3(a)(a)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

Silver King #2
Vein Direction



apply to 3(c)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

Mine GARR

Date October 9, 1939

District Maynard - 65 miles from Kingman
Owner: Mrs. W. P. Carr,
R. C. Jacobson, Agt.,
Kingman, Arizona

Subject:

Engineer Elgin B. Holt,
P. O. Box 288
Kingman, Arizona

SYNOPSIS REPORT

Jacobson, who is an assayer & Chemist, and who has been connected with the mining business in Mohave County for a long number of years, states that the Carr property is the best partly developed silver mine, that he knows anything about, in Mohave County. He dictated the following datat concerning this property to E. B. Holt:

CARR MINE

Metals: Silver, gold, lead, zinc.

Geology: Formation pre-Cambrian granite complex.

Vein from 4 ft. to 12 ft. wide; dip 65 deg.; strike NW-SE.

Shaft was sunk vertically to depth of 200 ft. in hanging wall. Cross-cuts were run to vein on 85 ft. & 165 ft. levels. Five hundred feet of drifting has been done on vein. An ore shoot in mine 200 ft. long was sampled by A. B. Peach, date not stated, across an average vein width of 4 feet, and the average of all samples cut by him was 40 ounces silver per ton. Other metals not tested.

AN EXPERIMENTAL MILL RUN mad during 1927, on ores from this property, resulted as follows:

	Au. ozs.	Ag. ozs.	Pb.%	Zn%	Cu%
Mill Heads.	.06	25.02	0.74	2.28	0.9%
Flot. Conc.	.54	427.70	23.30	27.50	45.0 (?)
Tails	.01	.75	Tr	1.32	Tr

50,000 tons of milling ore indicated in mine.

Water: Ample water can be secured near property for a 50-ton mill, partly from mine which produces 9,000 gallons in 24 hours and partly by gravity pipe line from stream distant from property one-half mile.

Customs ores could also be secured from near-by properties, in the event a mill should be installed at the Carr mine.

Fair mountain road now connects Kingman with property. Shaft in good condition but would have to be unwatered.

Owners will dispose of property on reasonable terms.

apply to 3(c)

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX 7, ARIZONA

June 11, 1965

Mr. Charles R. McGraw
4002 East Highway 66
Kingman, Arizona

Dear Mr. McGraw:

Your letter of recent date concerning the Carr mine has been referred to this office for reply.

We find no record of production from this property. We have photocopied and enclose a report by Elgin B. Holt, mining engineer, dated October 9, 1939; which is the only file information we have on this mine.

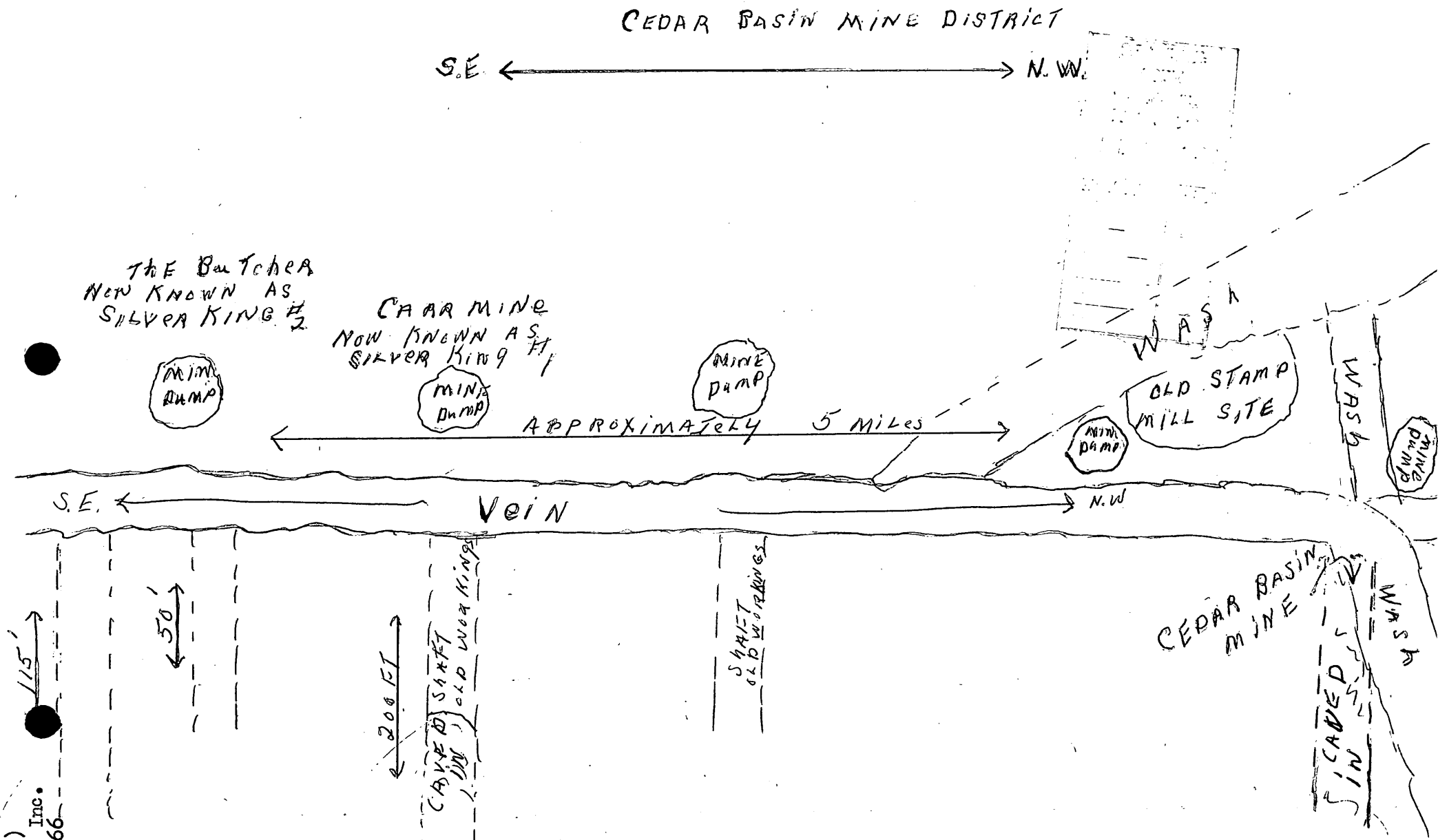
If we can be of further service, do not hesitate to write us.

Yours very truly,

FRANK P. KNIGHT, Director.

by: L. Pare
Adm. Assistant.

P
Enc.



apply to 3(e)
Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

Office of Minerals Exploration

Building 53 Room 203

September 5, 1968

Mr. Jack Cantwell
3770 Neal Avenue
Kingman, Arizona 86401

Subject: OME-6482 (Silver)
Mary Nevada Mining Inc.
Silver King #1 and #2
Mohave County, Arizona

~~130~~
~~120~~
110
220

Dear Mr. Cantwell:

Mr. James Marsh, consulting geologist, and formerly Chief of Exploration for the Union Pacific Railroad, contacted me by telephone on September 3rd and 4th, 1968, concerning the subject property.

He informed me that you did not have all of the correspondence in your files concerning OME Docket-6482, consequently I am enclosing copies of our correspondence with you that are presently in the file at the Denver Office of Minerals Exploration.

Sincerely yours,

J. William Hasler

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

cc: Chief, OME
cc: OME-6482
OME chron
Mr. Hasler

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/17/66	Kishama	120K
"		110
		220

June 17, 1966

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6482 (Silver)
Mary Nevada Mining, Inc.
Silver King #1 and #2
Mohave County, Arizona

The Applicant has not replied to our letter of May 18, 1966.

Accordingly, the subject docket is referred to the inactive file and considered as having been withdrawn.

Frank E. Johnson

Frank E. Johnson

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
Region III
OME Reading File

MMerrithew/mm (6/17/66)

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
		110
5/18/66	Kirkemo	120
		220
	call	
		170

Mr. Jack Cantwell
4002 East Highway 66
Kingman, Arizona

MAY 1 8 1966

Re: OME-6482 (Silver)
Mary Nevada Mining, Inc.
Silver King #1 and #2
Mohave County, Arizona

Dear Mr. Cantwell:

Reference is made to letter dated October 20, 1965, from Mr. J. W. Hasler, Field Officer, OME Region III, to you concerning the subject application.

As Mr. Hasler informed you, we could not participate in the proposed dewatering and rehabilitation of the shaft on your property nor the drifting under old stopes because such work is not considered exploration under the exploration assistance program. It was our understanding that you were to notify Mr. Hasler when the shaft on your property had been unwatered and submit assays of samples taken from the vein and other information.

As we have not heard further from you since Mr. Hasler's visit we assume you are no longer interested in proceeding with your application. Therefore, unless we hear from you within 30-days from receipt of this letter we will consider your application as having been withdrawn.

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 III

FEJohnson/bih 5/17/66

23263

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

U. S. Geological Survey--Denver Federal Center
Building 25-Room 2284
Denver, Colorado 80225

May 12, 1966

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 16 1966
INITIALS | CODE
JEJ | 140
gel | 130
120M

Memorandum

To: Chief, OME

From: Field Officer, Region III

Subject: Report of Examination: OME-6482(silver)
Mary Nevada Mining, Inc.
Silver King No. 1 and 2
Mohave County, Arizona

Transmitted herewith is an original and two copies of a report of examination by J. William Hasler, Geologist, on the above captioned subject.

It is concluded that the likelihood of a significant discovery of silver is not promising, especially if exploration work would extend below the zone of oxidation which would have to be explored and developed to make a profitable operations. Several workings and old, now defunct, miners have tested the fissure zone and some early day production was realized, however, the district has been essentially dead for many years, except for an occasional prospecting operation, most of which have realized nothing.

It is recommended that the application be denied without prejudice.

J. William Hasler

cc: Original and 2 copies of report to Chief, OME
OME chron
Hasler chron
OME-6482

UNITED STATES

DEPARTMENT OF THE INTERIOR

STEWART L. UDALL, SECRETARY

U. S. GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION

REGION III

OFFICIAL
COPY
O. M. E.
RECEIVED
MAY 16 1966
INITIALS | CODE

OME-6482

MARY NEVADA MINING, INC.

SILVER KING NO. 1 and 2

MOHAVE COUNTY, ARIZONA

By

J. William Hasler, Geologist

May 1966

FIELD
EXAM. REPT.

Contents

Introduction and summary---------- 2

The Property---------- 3

Geology and Ore Deposits---------- 3

Proposed Exploration---------- 4

Conclusions and Recommendations---------- 6

Figure 1. At end of report.

Figure 2. At end of report.

Introduction and Summary

The Mary Nevada Mining, Inc., Kingman, Arizona applied to the Office of Minerals Exploration to explore for silver on the Silver King No. 1 and No. 2 claims located in the SE 1/4 of Section 36 T. 16-1/2 N., R. 15 W., Gila and Salt River Meridian, Mohave County, Arizona. The application was received and referred to the field, after the applicant had submitted a revised exploration program. The property was examined September 15 and 16, 1965 and the examining geologist was accompanied by Mr. Andrew Johannsen, President and Mr. Jack Cantwell, Officers of the Company. The shaft on the Silver King No. 1 claim was to have been unwatered for examination purposes but had not been unwatered at the time of the examination. The applicant was to have notified the examining geologist when the shaft had been unwatered and also was to have submitted assay results of samples taken of the vein, as well as to submit more detailed costs. As of October 28, 1965 this had not been done nor has this office received any further correspondence regarding the proposed exploration program. The present program is one largely of development rather than exploration. Samples taken for silver throughout the oxidized one are good and could be mined at a profit, however the deposits throughout the district become impoverished at depth and are non-economic. It is unlikely that the exploration work at depth on the Silver King claims would result in a significant discovery of silver and it is therefore recommended that the application be denied without prejudice.

The Property

The Mary Nevada Mining, Inc., Kingman, Arizona has leased the Silver King Claims No. 1 and 2, that are located in the SE 1/4 Section 36, T. 16-1/2 N., R. 15 W., Gila and Salt River Meridian, Mohave County, Arizona. The property is easily accessible via Arizona State Highway 93 by traveling 47.6 miles eastward from Kingman, Arizona toward Wickieup, Arizona, then turn right off Highway 93 for 10-1/2 miles on a good gravelled road. There are no liens or encumbrances on the land and the claims are recorded in Docket No. 81, pages 468-472 in the Mohave County Recorders office in Kingman, Arizona.

Geology and Ore Deposits

The Silver King claims lie along a prominent fissure in a pre-Cambrian granite gneiss complex that strikes approximately N. 35° W. and dips 82° east (Fig. 1). The vein can be traced for several thousand feet, and has been prospected on, and mined at various intervals along its strike. The Carr Mine, some 1,500 feet northwest of the applicant's workings reported production from a 200-foot long ore shoot that averaged 40 oz. silver per ton. The vein material in the fissure consist largely of heavily oxidized, highly altered Precambrian granite gneiss. The mineralized material ranges from less than 1 foot to about 3 feet in width, and occurs in pods and lenses as long as 15 feet, but usually less than 5 feet in length. Abundant quartz, limonite, some specular hematite, malachite, azurite, galena make up the pods and lenses. Mining has been done primarily within the oxidized zone, consequently little is known about the vein below the zone of oxidation in this particular area, however, in a much larger area containing similar fissures in this part of the state of Arizona the fissures are known to be impoverished

below the zone of oxidation (A. F. Shride, oral communication). Samples taken in the oxidized zone from the 50 foot level, as well as from the mine dump average 69.39 ounces silver per ton, and ranged from 5.6 ounces to 210.9 ounces per ton; gold averaged 0.04 ounces per ton; lead averaged 5.53 percent per ton; zinc averaged 0.80 percent per ton, and copper averaged 0.98 percent per ton.

Samples taken of the vein from the 50 foot level at the time of the field examination ranged from 5.6 to 119.9 ounces silver per ton and averaged 64.75 ounces per ton; gold samples yielded only a trace; lead averaged .068 percent; zinc averaged .07 percent and copper averaged 1.11 percent. These check samples essentially substantiate the high assays obtained by the applicant.

Even though the ore is of a very good grade the applicant's proposal is essentially one of development, since he proposes to sink a shaft 100 feet below known stopes, and drift northward along the vein the long hole drill from the vein to further explore for ore.

Proposed Exploration

The applicant proposes to explore the fissure vein by sinking an existing shaft an additional 100 feet and drift below the old stopes both north and south for a total of 200 feet, then raise to the 100 level from the 200 foot level, (Fig. 2).

The assays from a number of samples taken both by the applicant and the examining geologist indicates the presence of a good grade milling ore, at least to the depth presently mined. A 50 foot shaft had been sunk by the applicant 80 feet northwest of the Old Carr shaft which was to have been opened and available for inspection at the time of the examination. This

50 foot shaft was sunk on the edge of an old back filled stope and the drift extended for about 50 feet northwest along the oxidized vein material. Samples taken by the applicant and the examining geologist yielded the following results:

Assays

Oz. Ag	Oz. Au	%Pb	%Zn	%Cu
210.9		0.1		4.30
8.0		0.1		0.20 (Dump)
43.6		0.1		0.38
58.4	.02	38.8		1.65
68.2	.06	2.2		0.68
31.4	.03	0.8		0.60
12.1	.03	0.6		0.42
219.2	.07	23.4	3.8	
52.3				0.095
8.6				0.09
119.9	Tr	0.084	0.10	1.77
98.8	"	0.068	0.15	1.84
34.7	"	0.030	0.05	0.72
5.6	"	0.090	<0.01	0.12
971.7	0.21	66.372	4.11	12.865
Averages:				
69.39	0.04	5.541%	0.80	.989%

Although the mineralized material in the oxidized zone contain good milling ore it is doubtful that high silver and gold values would persist at depth and below the oxidized zone, as none of the mine workings in the area penetrated the primary zone of mineralized material and all are presently shut down, and have not been worked for many years.

It is doubtful that significant amounts of silver could be discovered even if the applicant explored a greater and deeper area than he has done to date. Their financial structure would not allow them to do extension exploration work and their knowledge of mining any geology would also limit

them to realize anything greater than a shoe-string type of mine operations.

Conclusions and Recommendations

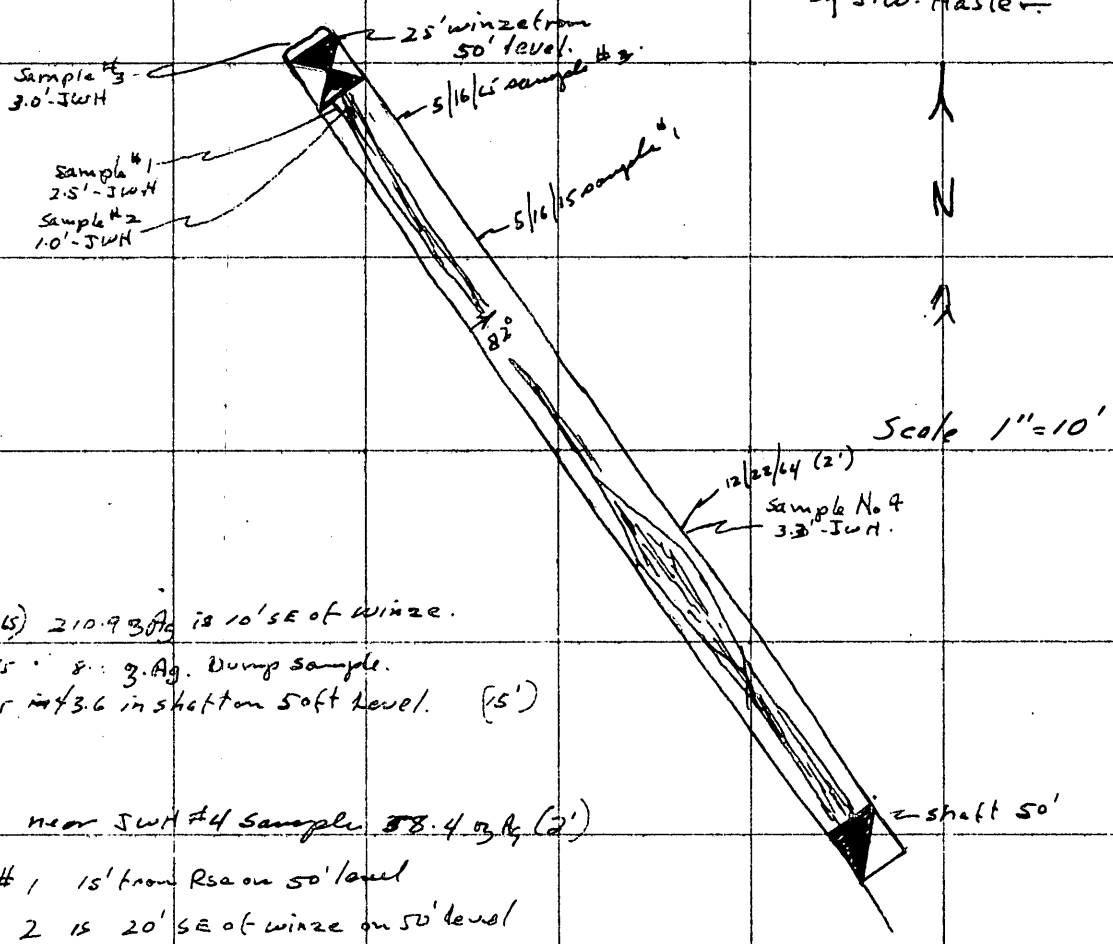
It is concluded that the likelihood of a significant discovery of silver is not promising, especially if exploration work would extend below the zone of oxidation which would have to be explored and developed to make a profitable operation. Several workings and old, now defunct, miners have tested the fissure zone and some early day production was realized, however, the district has been essentially dead for many years, except for an occasional prospecting operation, most of which have realized nothing.

It is recommended that the application be denied without prejudice.

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION
DOCKET 6482.

Mary Nevada Mining, Inc.
Mohave County, Ariz
OME 6482 (Silver)
Examined 10/15+16/65
by J.W. Hasler



#1 sample (5-16-65) 210.9 oz Ag is 10' SE of winze.
2 " 5/16/65 " 8.3 oz. Ag. Dump sample.
3 " 5/16/65 " 43.6 in shaft on 50 ft level. (15')

12/22/64 sample near JWH #4 Sample 88.4 oz Ag (2')

2/1/65 #1 15' from Rsa on 50' level
2 is 20' SE of winze on 50' level
3 is 25' SE of winze on 50' level
4 is 6' above bottom of shaft.

6/7/65 Collar of winze, north side

JW Hasler Samples - OME 6482

#1. 2.5' bottom of winze, SE side 6' above bottom

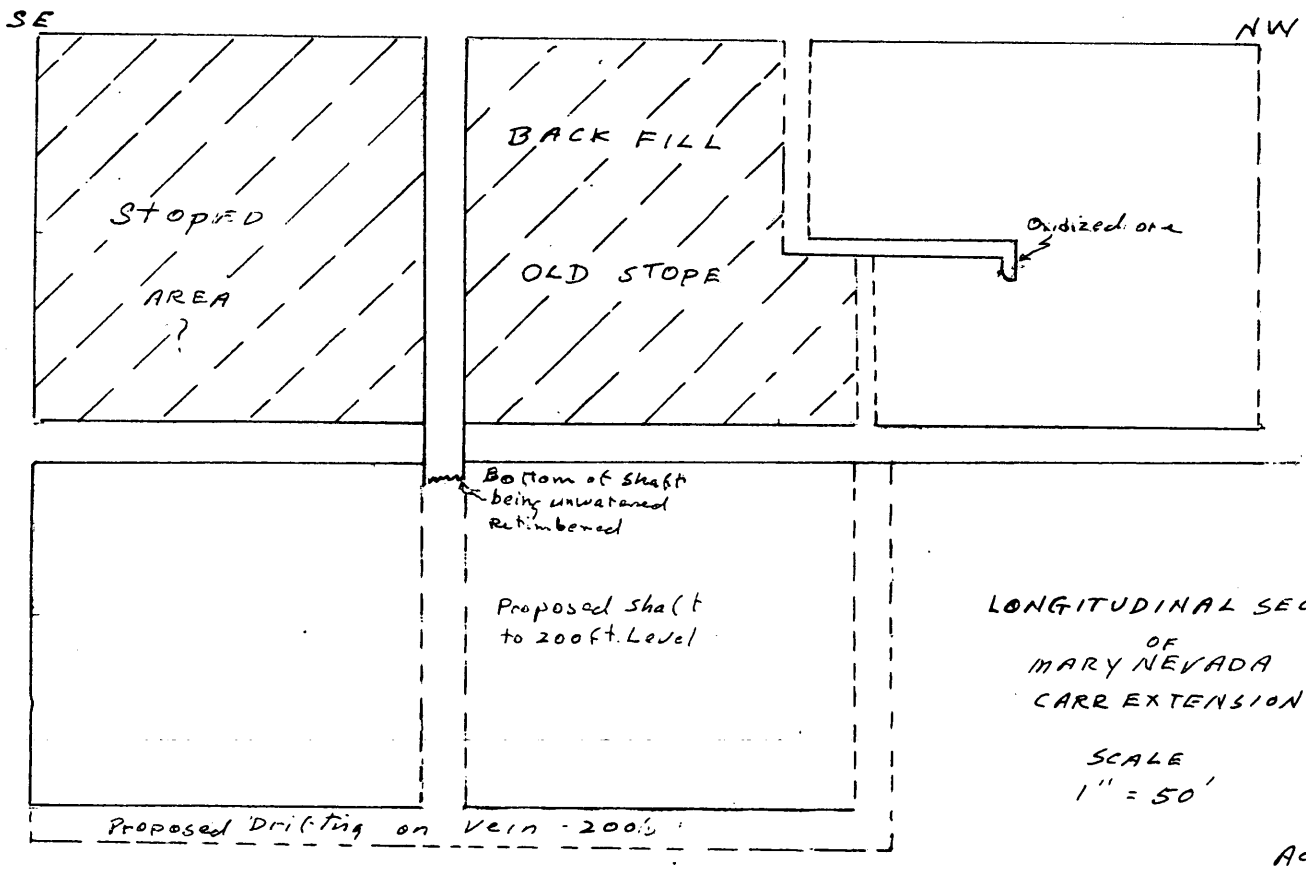
#2. 1.0' High grade, bottom of winze 6' above bottom SE side.
#3 2.0' Vein material 5' above bottom of winze NW side
#4. 3.3' vein 20' NW of Raise on 50' level.
Have assayed for Ag, Au, Pb, Zn + Cu.

FIGURE-1

"ALBANENE" NO. 190M K&E CO., N.Y. REG. U.S. PAT. OFF

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION
DOCKET 6482.



LONGITUDINAL SECTION
OF
MARY NEVADA
CARR EXTENSION

SCALE
1" = 50'

Adapted from Applicant
by
J. W. Hasler

FIGURE 2.

OME 6482

October 22, 1965

Memorandum

To: B. H. Clemmons, Research Director
Salt LakeCity Metallurgy Research Center
Salt Lake City, Utah

From: Acting Field Officer, OME, Region III

Subject: Samples from Mary Nevada Mining Inc.
Mohave County, Arizona

OME-6482

Two sacks containing four samples were shipped today via parcel post to the Salt Lake Metallurgy Research Center.

The original and one copy of Form 7353 are enclosed. The work should be charged to Account 611 265 410.

J. William Hasler

J. William Hasler

Attachments

cc: Chief, OME
File
Chron

120
120

STRATEGIC MINERAL PROJECT

Information supplied the Metallurgical Division
regarding samples submitted

Date October 22, 1965

Name and Location of Property: Mary Nevada Mining Inc.
CME 6432 (Silver) Mohave County, Arizona

Sample identification number: CME 6432 (Silver)

Number of samples in shipment (estimated if necessary): 4 CME 6432-1 JWH
" " 2 JWH
" " 3 JWH
" " 4 JWH

General nature of ore (type, minerals present, etc.):
Quartz vein with oxidized copper, silver, iron

Analyses of assays required:

Ag, Au, Pb, Zn, Cu

Other tests desired: None

J. William Hazler, US Geol. Survey
Office of Minerals Exploration
Bld. 20, Denver Federal Center
Denver, Colo. 80225

Via parcel post
Charge: 611 265 410

Name and address of
Project Engineer

7353

October 20, 1965

120 m
120

Mr. Jack Cantwell
4002 East Highway 66
Kingman, Arizona

Re: OME 6482 (Silver)
Mary Nevada Mining, Inc.
Silver King #1 and #2
Mohave County, Arizona

Dear Mr. Cantwell:

Thank you for your fine hospitality during my visit to the Mary Nevada Mining, Inc. property last week. It was a most interesting trip, despite the rather inclement weather.

I am enclosing an example of some suggested allowable costs that might apply to your property with the exception of the shaft sinking phase. You may use these as a format in presenting your costs. As I stated to you during the field examination, the OME will not participate in any rehabilitation work as it is not considered as being of an exploratory nature. You should dewater and rehabilitate the shaft, and see what the vein looks like at that depth, by sampling, etc. Please inform us as to the values obtained from the shaft-samples, and submit the costs for sinking 100 feet of shaft and drifting 400 feet (200 feet north and 200 feet south) on the vein as was discussed during my examination.

Sincerely yours,

J. William Hasler

JWH-10/20/65
cc: Chief, OME
File
Chron

An Example Only

of

Suggested Allowable Costs

Drifting and Raising

Costs are based on drift and raise sizes, in clear of timber, of 5 by 7 feet and 4 by 8 feet respectively, and an average advance of 5 feet per shift for 2 shifts daily and 6 days a week.

Labor and Supervision	Cost/day	Cost/foot
1. 8 men at $18.00 a shift	$ 144.00	
2. 1/2 supervisor at $24.00	12.00	
Overtime for 40-hour week	12.00	
Insurance and taxes (15 percent)	25.20	
	193.20	19.32
3. Equipment (depreciation)		1.81
Power - fuel and oil		1.70 ?
Explosives		2.80
Bits and steel		2.00
Track		2.00 ?
Pipelines (air and water)		1.10
Ventube		1.25
Other (small tools, repairs, bookkeeping)		0.60
		33.58

1. The 8 men include: 2 miners, 2 loaders, 2 trammers, and 2 miners' helpers. Their hourly wage will probably be: $2.50 for miners, $2.25 for loaders and trammers, and $2.00 for miners' helpers.

Other remaining time to be spent on non-project operations.

3. The Application lists "Equipment provided by Applicant," and "Equipment to be Acquired." The equipment first listed is being used at the present time, and includes all items needed for the proposed project except 3 additional mine cars. The allowable cost of the project equipment on a depreciation basis would be approximately as follows:

1 Trammer 2-ton capacity with battery charger	$ 7,500.00
1 Loader, Eimco 12-B	3,500.00
6 Mine cars @ $400.00 each	2,400.00
2 Rock drills complete, Copco	1,500.00
1 Air receiver	250.00
1 Generator, 75 kw Caterpillar	10,000.00
1 Ventilation fan	500.00
1 Jeep truck 1/2 of $3,000.00	1,500.00
	$27,150.00

$\frac{27,150.00}{60 \text{ months}}$ = 452.5/month at 250 feet $ 1.81/mo ?

Timbering

The applicant's estimates costs for timbering are based on costs of ? $175.00 and $200.00 per mbf, and the use of approximately 66-140 board-feet of timber per foot of drift and raise, respectively. Drift sets, consisting of 8 by 8 inch posts, and adequately logged with 2 by 12's are expected to require about 50 board-feet of timber per lineal foot.

Raise sets constructed of 8 by 8-inch posts, and an adequately logged manway, one expected to require about 60 board-feet of timber per foot. The timber cost per foot of drift and raise, would therefore be about $7.50 and $9.00, respectively.

Long-hole Drilling

The suggested allowance for long-hole drilling is $1.00 a foot.

Assaying

The applicant bases the assays on a $2.50 charge per assay as charged by the Arizona Assay Office, Phoenix, Arizona

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

GEOLOGICAL SURVEY
FEDERAL CENTER, DENVER, COLORADO

October 11, 1965

Memorandum

To: Chief, OME

From: Field Officer, Region III

Subject: OME-6465 (Silver)
Donald C. Gilbert
Royal and Deer Horn Claims
Santa Cruz County, Arizona

This responds to your memorandum of October 6, 1965 on the subject docket.

As you know, we are behind in our work more than just a report on the subject docket, which I assure you has not been lost in the shuffle. In my hold file for Arizona I also have the following memoranda from you:

Idm-E1038 dated Dec. 1, 1964
949 dated Oct. 2, 1964
1188 dated March 29, 1965
1188 dated May 27, 1965
317 dated May 28, 1965
317 dated July 14, 1965

I have been hoping we could both get to Arizona and clean up our house but things haven't worked out that way. I was in bed ten days with a bad case of bronchitis. Hasler will be gone all this week to the Mining Congress in Las Vegas. He will examine OME-6482, Mary Nevada Mining, Inc. before he returns home.

Hugh M. Connors

HMC 10-11-65

cc: file
chron
Hasler

OFFICIAL
COPY
O. M. E.
RECEIVED
OCT 7 1965
INITIALS | CODE
Noted gh | 120M
| 820

October 5, 1965

Mr. Jack Cantwell
4002 East Highway 66
Kingman, Arizona

Dear Mr. Cantwell:

Your application for financial assistance in minerals exploration, on the Silver King No. 1, and Silver King No. 2 property, Mohave County, Arizona under the name of Mary Nevada Mining, Inc., OME 6482 (Silver) has been referred to us for a field examination.

I plan to arrive in Kingman, Arizona Friday, October 15, 1965, to make an examination and should arrive at your residence near 11:00 a.m. I would like to meet you or your company representative there, if this is satisfactory to you.

If I do not hear from you before Friday, October 8, I shall assume everything is in order for the field examination.

Sincerely yours,

J. William Hasler

JWH 10-5-65

cc: Chief, OME
file
chron

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/25	Johnson	110
	Stockbridge	120
8/26	COC	220
		120 N

AUG 26 1965

Memorandum

To: Acting Field Officer, OME - Region III

From: Chief, Office of Minerals Exploration

Subject: OME-6482 (Silver)
Mary Nevada Mining, Inc.
Silver King #1 and #2
Mohave County, Arizona

Enclosed is a copy of a revised application submitted in response to our letter to the applicant of August 12, 1965. This application is being referred to you for a field examination, if you deem it appropriate, and a report thereon with recommendations.

The revised application is very little different from the original application. Obviously, the people concerned lack experience and do not understand the purpose of the exploration program. However, the revised application indicates that some of the workings are accessible and a shaft is being unwatered, therefore, an on-site examination may reveal sufficient information to determine whether or not Government assistance is warranted. If the property has merit, perhaps a modest program of underground work or surface core-drilling might be worked out within the capabilities of these people and their financial resources. If this can be done, you should furnish a detailed breakdown of realistic costs for doing the work recommended.

Also, Lien and Subordination Agreements from Jack H. Owen and C. J. Stockbridge and from Jack Cantwell and Andrew Johannsen will be required if a contract can be granted.

FEJohnson/bih 8/25/65
cc to: Director's reading file
Division file
Economic Geology file
OME file
Mr. Selfridge
OME reading file

(signed) FRANK E. JOHNSON

Frank E. Johnson

Enclosures

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/25	Johnson	110
	Selbridge	120
		220

AUG 26 1965

Mr. Andrew Johannsen
President
Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

Re: OME-6482 (Silver)
Mary Nevada Mining, Inc.
Silver King #1 and #2
Mohave County, Arizona

Dear Mr. Johannsen:

This will acknowledge receipt of your letter of August 20, 1965, enclosing a revised application for financial assistance to explore for silver on your Silver King claims in Mohave County, Arizona.

We are referring your application to Mr. Hugh M. Connors, the Acting Field Officer, OME, Region III, in Denver, Colorado, for a possible examination of your property. Mr. Connors will contact you if additional information is required.

Sincerely yours,

(signed) FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

FEJohnson/bih
8/25/65
cc to: Director's reading file
Division file
Economic Geology file
OME file
OME Region III
OME Reading file

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/12	Johnson	110
	Selfridge	120
8/12	Doll	110
		220
		120M

AUG 12 1965

Mr. Andrew J. Johannsen
President
Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

Re: OMX-6482 (Silver)
Mary Nevada Mining, Inc.
Silver King #1 and #2
Mohave County, Arizona

Dear Mr. Johannsen:

The information submitted with the subject application does not indicate that your property has sufficient potential to justify Government participation in the proposed work which is more in the nature of development than exploration.

If the mine workings were made accessible for an examination, possibly a realistic underground exploration project could be worked out. Or, if you could not make these workings accessible, another means of exploring the property might be by core drilling from the surface. However, in either case, we would need additional information.

Copies of your letters to the banks requesting a loan were not included in the application. It is necessary that these be supplied to us.

We also would need a sketch of the Silver King #1 and #2 claims showing the locations of the present shafts and the proposed work.

Your cost estimates appear to be too high, and considerably more supervision is included than is required for the size of the proposed operation. Only those costs directly applicable to the proposed work should be included. Revised estimated cost data should be supplied and, if core drilling is included, copies of bids from at least two independent contractors should be furnished.

You state that your share of the costs would be charged to tools and equipment owned by you and to the services of the partners in the enterprise for supervision. We find that the allowance for

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these items usually is not sufficient to cover the applicant's share of the costs. Also, the Government pays its share of the costs at the end of each month after a voucher for the costs incurred has been submitted and approved. It usually takes two or three weeks to process such a voucher. Therefore, an applicant should have sufficient funds on hand to pay for all the costs of the exploration for the first two or three months.

If either of the alternate suggestions mentioned above for exploring your property is acceptable to you, we shall be glad to consider your amended proposal with the additional information outlined above.

Sincerely yours,

(signed) FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

FEJohnson/gla (8-12-65)
cc to: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
OME Region III

July 28, 1965

Mary Nevada Mining, Inc.
4002 East Highway 66
Kingman, Arizona

Subject: OME - 6482

Gentlemen:

Your application for exploration assistance, dated July 23, 1965, submitted to our office at Denver, Colorado, has been assigned Docket Number OME - 6482.

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

Sincerely yours,

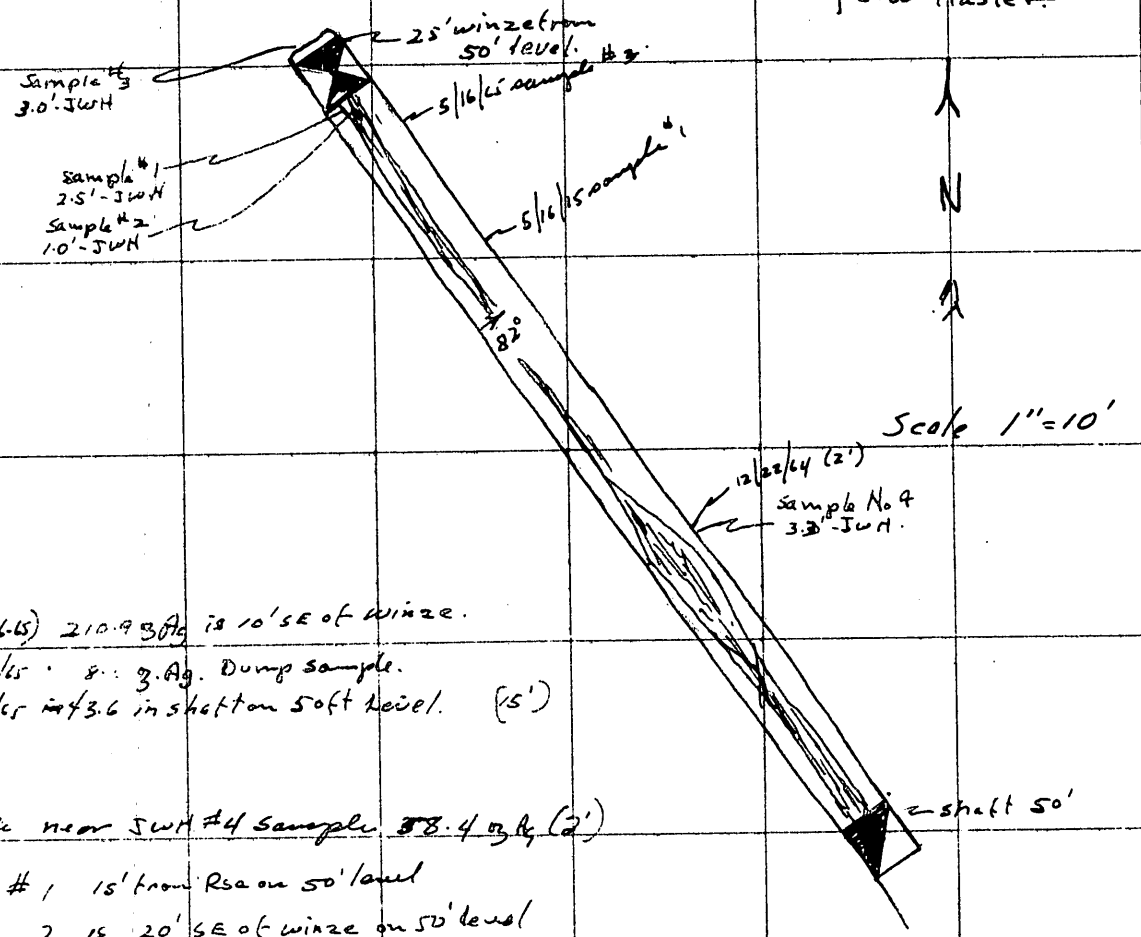
Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to Region III

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION
DOCKET 6482.

Mary Nevada Mining, Inc.
Mohave County, Ariz
OME 6482 (Silver)
Examined 10/15+16/65
by J.W. Hasler



#1 sample (5-16-65) 210.9 oz Ag is 10' SE of winze.
2 " 5/16/65 " 8.: oz. Ag. Dump sample.
3 " 5/16/65 in 43.6 in shaft on 50 ft level. (15')

12/22/64 sample near JWH #4 sample 38.4 oz Ag (2')

2/1/65 #1 15' from Rsa on 50' level
2 is 20' SE of winze on 50' level
3 is 25' SE of winze on 50' level
4 is 6' above bottom of shaft.

6/7/65 Collar of winze, north side

JW Hasler Samples - OME 6482

#1. 2.5' bottom of winze, SE side 6' above bottom

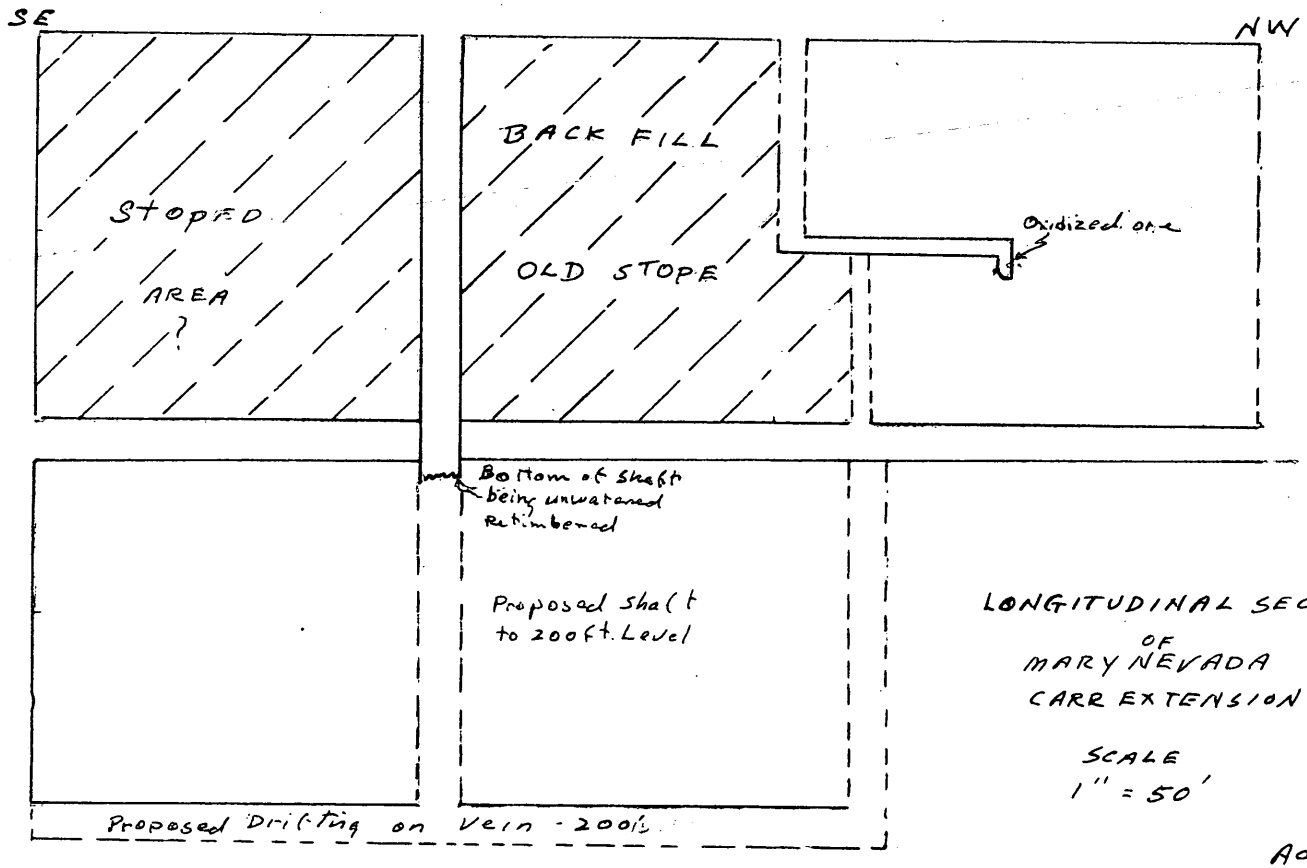
#2. 1.0' High grade, bottom of winze 6' above bottom SE side.
#3 2.0' Vein material 5' above bottom of winze NW side
#4. 3.3' vein 20' NW of Raise on 50' level.
Have assayed for Ag, Au, Pb, Zn + Cu.

FIGURE-1

"ALBANENE" NO. 190M K&E CO., N.Y.
REG. U.S. PAT. OFF

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION
DOCKET 6482.



LONGITUDINAL SECTION
OF
MARY NEVADA
CARR EXTENSION

SCALE
1" = 50'

Adapted from Applicant
by
J. W. Hasler

FIGURE 2.