

Fillo, P.V., 1965, Application Rept.

OME 6413 (Silver)

Jules Furthman  
Chihuahua and J.F. Claims

White Pine County, Nev.

INTRODUCTION

See Map in Map File

File: White Pine Dist.

344

No Card Item 85

Mr. Jules Furthman, 3801 Lenawee Avenue, Culver City, California,

applied February 1, 1965 to the Office of Minerals Exploration for assistance to explore a silver vein on the patented claim, Chihauhau, and the two unpatented claims, J. F. Nos. 1 and 2, located about 60 miles west of Ely, White Pine County, Nevada. The application was assigned Docket No. OME-6413 and was referred to this office on February 11, 1965 for consideration and for a field examination. The application includes an estimated total cost of \$56,727.37 to perform exploratory work which consists of crosscutting and drifting, a total of 825 feet.

A field examination was made by Paul V. Fillo, Acting Field Officer, OME, Region II, on March 16, 1965, accompanied by Sam Bida, consultant mining engineer, representative for the applicant. Several samples were taken of the silver, lead, and copper narrow bands which show in open cuts, short adits, and the winze.

SUMMARY

The property is located between the Mary Ellen and the Belmont mines in the Hamilton Mining District. The rocks in the area are of the Hansen Creek dolomite that lies above the Eureka quartzite. The dolomitic is amenable to replacement, and has an east-west trend and dips to the north. There is a possibility of a fault striking northeast-southwest that follows the canyon and is parallel to the productive Treasure fault of the Mary Ellen mine. The ore occurs in vein types of deposit with possibilities of replaceable bodies in either brecciated or highly susceptible dolomite or limestone.

The applicant proposes to explore the narrow veins by means of crosscutting and drifting along and under the surface openings that delineate the course of the vein. He believes that ore bodies could be discovered in the intersection of the veins with the bedding planes, and also the intersection of the southwest-northeast fault by the bedding planes, as these physical features would tend to afford larger and looser passage ways for the mineralizing solutions.

#### RECOMMENDATIONS

The program is to explore the vein system on the J. F. and Chihauhau claims at lower depth, where intersection of the bedding planes and a possible fault appears justified. I recommend that the Government enter into an OME contract with Jules Furthman and to provide 75 percent of the costs of a program consisting of the following items:

100 hours of bulldozer work

325 feet of crosscutting

500 feet of drifting

The total cost is estimated to be \$37,561.46 of which the Government's share at 75 percent could be \$28,171.09.

Twelve months will be required to complete the contract. To facilitate administration of the contract, the work should be based on cost per foot except for the access road building.

#### LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The applicant's property is located a short distance north of the Belmont mine, south of the Mary Ellen mine, approximately 60 miles west of Ely, White Pine County, Nevada (Fig. 1.).



The property may be reached from Ely by traveling west on U. S. Highway 50, 44.8 miles; then turn left on a dirt road where a sign is posted (Belmont Mill), travel 3.1 miles; then take a left fork road and travel 9.8 miles to Belmont Mill, then continue on the road for 2.3 miles to the mine property, which is located in secs. 11 and 14, T. 16 N, R. 57 E. MDB & M. The patented and unpatented claims lie on the east slopes of White Pine Mountain (Mt. Hamilton - Pogonip Ridge) at an elevation of about 8,300 feet.

Experienced mine labor and supplies are available in Ely. The prevailing daily wages for miners are about \$20.00.

No power or communication lines are available on the property and sagebrush and scrub timber are conspicuous over much of the mountainous terrain.

None of the timber is suitable for mine supports. Winter operations in the area of the property are sometimes impeded and access may be diffi-cult because of snow.

## PROPERTY

### History and Production

There are no records to indicate that mining has been carried on and little detail is known of the property in the early days. The Hamilton Mining District itself has been known to have produced over \$10,000,000 in silver. No production, however, has been officially recorded.

### Ownership

The property to be subjected to Government royalty consists of one patented claim and two unpatented claims (Fig. 2). The claims are recorded in the Office of the County Clerk and Recorder, Ely, Nevada as follows:

Patented Claim

Chihauhau

Patent No.

38

Unpatented Claims

Book

Page

J. F. No. 1

269

197

J. F. No. 2

269

198

Both the patented claim and the unpatented claims are owned by Jules Furthman, the applicant 3801 Lenawee Ave., Culver City, California.

Financial Eligibility

The applicant has submitted evidence accompanying the application that he was unsuccessful in securing a loan for exploration purposes from two banking institutions. The applicant proposes to finance his share of the exploration costs through his own personal funds and furnish his own equipment.

Development

204/2700  
150  
HK

The property has several shallow open cuts, short adits, and a shallow winze exposing narrow bands of silver, lead, and copper mineralized veins that could widen in depth if the geological conditions favor the theory which the applicant's consultant engineer has expressed. No electrical power or buildings are available on the property. The necessary drilling equipment, supplies, and accessories needed to conduct the work will be either purchased or rented.

GEOLOGY

The geological horizon of the Chihauhau and J. F. claims are of the Hansen Creek dolomite formation which lies above the Eureka quartzite. The dolomite rock is amenable to replacement. The bedding trends east-west



and dips to the north. The property lies between the Mary Ellen mine to the north and the Belmont mine to the south. Several faults of minor displacement, trending N 30 - 50 E., dipping 40 to 60 SE, cut the Hansen Creek formation.

There is a chance for a southwest and northeast fault that follows the canyon and is parallel to the productive Treasure fault of the Mary Ellen mine.

The main bodies of ore at the Belmont mine are in the Hansen Creek dolomite and Eureka quartzite along the fault system between the two formations. High grade lead carbonate and silver ores have been taken from irregular secondarily enriched ore bodies formed at the intersection of fractures in Eureka quartzite. The ore production from the Mary Ellen mine came from the Hansen Creek dolomite formation. The ore deposits of the district are partly to completely oxidized lead-silver zinc vein fillings and some replacements along the main fault and several fissures. It appears that the favorable ore deposition occurs along a fault zone between the Hansen Creek dolomite and Eureka quartzite.

#### Sampling

Samples were taken of the narrow bands of veins exposed on the surface and in the adits and winze. The assay results are as follows:

Sample No.	Description	Percent		Ounces	
		Pb.	Cu.	Au.	Ag.-
S. B. No. 1	Float sample on Chihauhau claim	14.5	9.83	0.020	109.00
S. B. No. 2	Float sample on NW slope to abandoned adit	13.9	0.57	0.005	4.40
S. B. N. 3	Dark mineral from dump south slope north of old open adit	3.8	1.15	0.005	2.70

Mary Ellen  
1500' to  
the  
NW  
and  
Belmont is  
1/2 mile  
south of  
Mary  
Ellen

If so,  
planned  
drift  
would be  
in wrong  
direction.

Backling  
plane  
Fault?

15 14

T16N  
R57E

S 18° 10' W

PHYLLIS (MARY ELLEN)  
SUR. NO. 3632A

CHIHUAHUA  
SUR. NO. 38

S 66° 20' W - 1500'

GLORY MINE  
(GELMONT)

DISC. MON  
CABIN

PORTAL - NEW TU  
OLD ADIT

FLOAT VEIN

LEG  
24