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3850 0005

Item 5

# J. H. WREN & CO.

CONSULTING MINING ENGINEERS

CABLE ADDRESS  
WRENCO

PHONE GLADSTONE 6-0922  
4297 D STREET  
SACRAMENTO, CALIF.

FEBRUARY 20, 1963

## UP-TO-DATE SUMMARY OF THE RED CANYON MINING DISTRICT, DOUGLAS COUNTY, NEVADA LODE MINING CLAIMS.

### 1. LOCATION:

The Lode Mining Claims are located in the North Fork Area of Red Canyon, Douglas County, Nevada in the Red Canyon Mining District. The Silver Crown No. 1 Lode Mining Claim is some six miles from the mouth of Red Canyon via old road lines.

Road rehabilitation is necessary from the canyon mouth, to the Silver Crown #1 Claim. Approximately three days' heavy bulldozer work will renew the road. The road from the County Road some four miles needs blading.

### 2. OWNERSHIP:

The original five claims were relocated, renamed and two additional claims added, making a total of seven full lode mining claims, Silver Crown #1 through #7, all adjoining.

The mining claims are owned by the U. S. Mining Exploration Co., Inc.

### 3. GEOLOGY:

Rocks on the claims are: Rhyolite, Limestone, Shale, andesite, quartz veins, tertiary lava flow rocks of various kinds.

Shipment ore was produced in highly mineralized and altered Rhyolite. Shipment ore was also produced from the limestone areas.

Detailed geologic conclusions will be included in a supplement to this summary.

### 4. MINERAL OCCURRENCE:

Shipment ore to date was produced from fissure veins in Rhyolite which occurred in pods along the strike of the veins. Pay metals were gold, silver and lead. Chief lead mineral is Galena which carries the greater percentage of the silver, along with gold, however, arsenopyrite present in the veins also carries gold.

## SUMMARY OF THE SILVER CROWN MINING CLAIM GROUP:

Sulphides occur on and near the surface in view of the fact that the area is one of high and recent erosion. Consequently the sulphide ore has eroded faster than it oxidized in place.

### 5. HISTORY:

Previously covered herein.

### 6. PRODUCTION HISTORY:

See foregoing historical data including shipment settlement sheets in the Exhibit Section.

### 7. SETUP COST ESTIMATE:

**Note:** Following is a one month cost estimate prior to the first shipment of crude ore selected as direct shipment tonnage.

a)	Combination bulldozer-front end loader rental, less operator, fuel, service for one month . . .	\$1,000.00
b)	Two way haulage of bulldozer belonging to Ed Cleve, Woodland, Calif. to Red Canyon Mouth, Smith Falley, Nevada . . . . .	250.00
c)	Cargo insurance for bulldozer in transport . . .	50.00
d)	Nevada Industrial Insurance Deposit . . . . .	250.00
e)	Two men, 27 days @ \$25 per man per day . . .	1,350.00
f)	Industrial Insurance, above labor . . . . .	67.50
g)	Compressor rental, 105 Cu. Ft. one month . . .	125.00
h)	Powder, fuel, lub, for one month . . . . .	500.00
i)	Trailer house rental, including light plant and two way haulage . . . . .	100.00
j)	Tool purchase, picks, shovels, wrenches, etc.	225.00
k)	Sampling and assay fees . . . . .	200.00
l)	Engineering, supplies and Misl. expense . . .	400.00
	Total preparation . . . . .	\$4,517.50

**SUMMARY OF THE SILVER CROWN MINING CLAIM GROUP:  
(Setup Cost Estimate, Cont.)**

m)	Stripping out and loading 1st two shipments of 50 tons each, estimated cost . . . . .	2,000.00
n)	20% contingency . . . . .	<u>1,303.50</u>
	Total estimated cost to 1st 100 tons	\$7,821.00

**8. ECONOMICS:**

**AVERAGE GRADE OF THE LAST THREE SHIPMENTS:**

<u>Oz.</u> <u>Au</u>	<u>Ton</u> <u>Value</u>	<u>Oz.</u> <u>Ag.</u>	<u>Ton</u> <u>Value</u>	<u>%</u> <u>Pb</u>	<u>Ton</u> <u>Value</u>	<u>Per Ton</u> <u>Total Value</u>
0.276	\$9.66	72.07	\$90.08	38.58	\$77.16	\$176.90

Same gross value 1940 prices on metal market 84.43

Rise in metal markets as of Feb. 1963. (plus 100%) 92.47

Ore of the same grade shipped in 1940 would net  
above selective mining, loading, trucking,  
smelting, etc. At least - per ton . . . . . 100.00

During the course of high grade selection for  
shipment, a secondary product would be stockpiled  
for future beneficiation.

Until the ore occurrence zone has been stripped of the  
Silver Crown Claim No. 1, it is not possible to estimate  
the probable weekly production volume available.

**9. RECOMMENDED MINING:**

Use bulldozer - front end loader to strip out the ore zone,  
wasting the hangingwall tonnage over the hillside. This will  
expose the high grade pods allowing hand selection of the direct  
shipment product which should average over \$175 per ton and  
stock pile with the front end loader lower grade tonnage for  
later treatment. The altered and highly mineralized Rhyolite  
is fractured and broken so very little drilling and blasting will  
be necessary for the first few shipments. The ripper on the  
bulldozer will free at least 90% of the waste and ore for the  
first 50' of depth, on the Silver Crown Claim #1.

It is recommended to build an access road to the Silver Crown  
#7, strip out the ore occurrence and then grant a block lease  
on the high grade ore showing. This lease should be set up on  
the basis of all expenses deducted and the company splitting

SUMMARY, SILVER CROWN CLAIM GROUP

9. Recommended Mining, (Cont'd)

returns 50-50 with the block lessees. On this production project, no payrolls, insurance, supplies or service will be on company account.

10. CONCLUSIONS:

- a) Some considerable hand drilling and prospecting has opened a number of favorable ore zones on this property, as has been proven by excellent grade shipments marketed.
- b) No mechanization has ever been in effect on the property. With the bulldozer and compressor, two men will accomplish in one day which took formerly two men a month to produce.
- c) The high grade ore selection will open up low grade ore values, part of which can be produced by open pit methods.
- d) It is recommended to locate a mill site as subsequently concentration of low grade ore may make some considerable tonnage available for economic production.
- e) The very nominal capital requirement to commence production on this property is justified in view of the long range prospective potential.
- f) A supplemental report will be compiled as soon as some project activity allows monthly production tonnage factors and estimates to be compiled.

Very truly yours,

J. H. WREN & CO.,

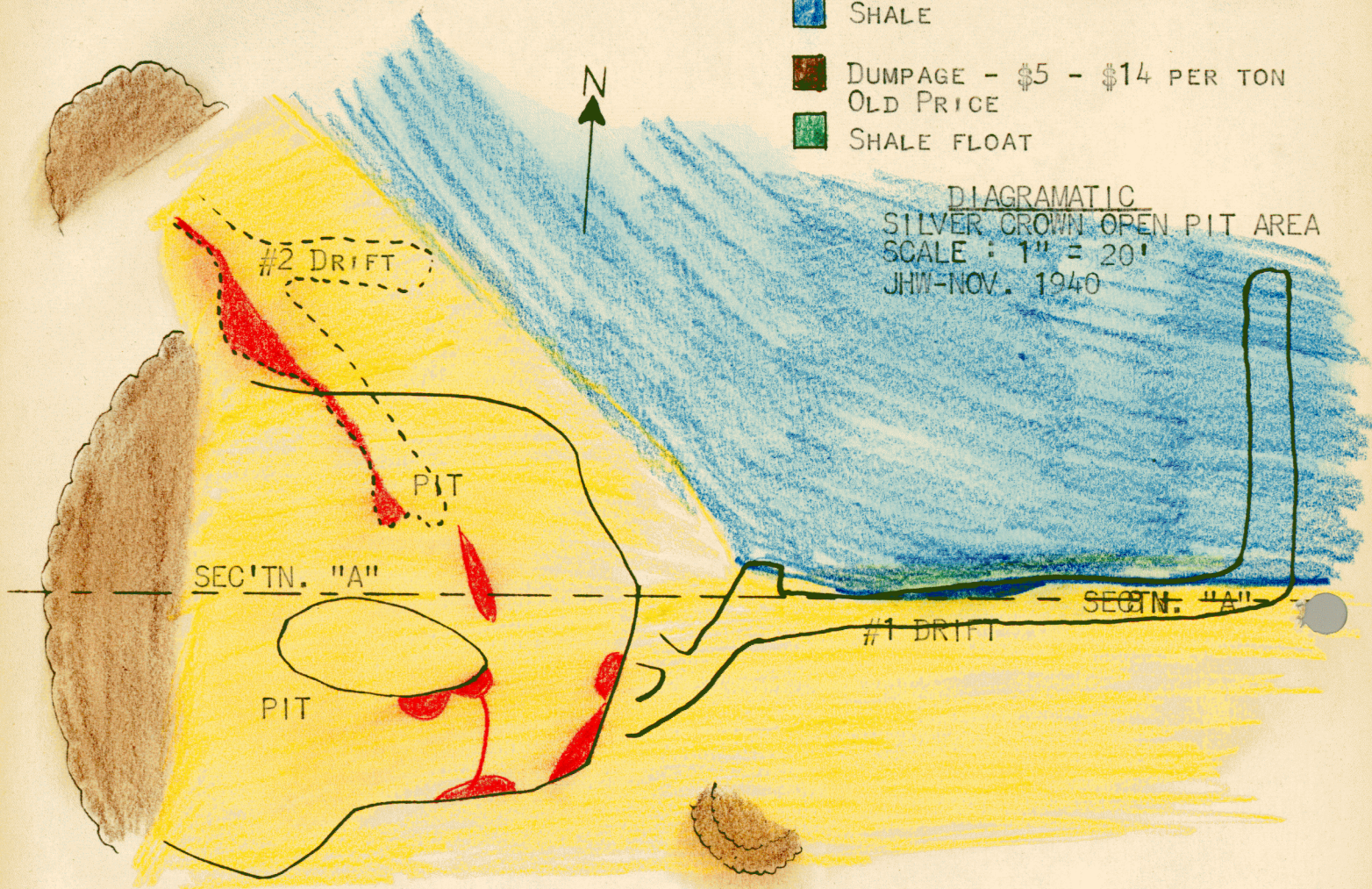
By James H. Wren  
James H. Wren.



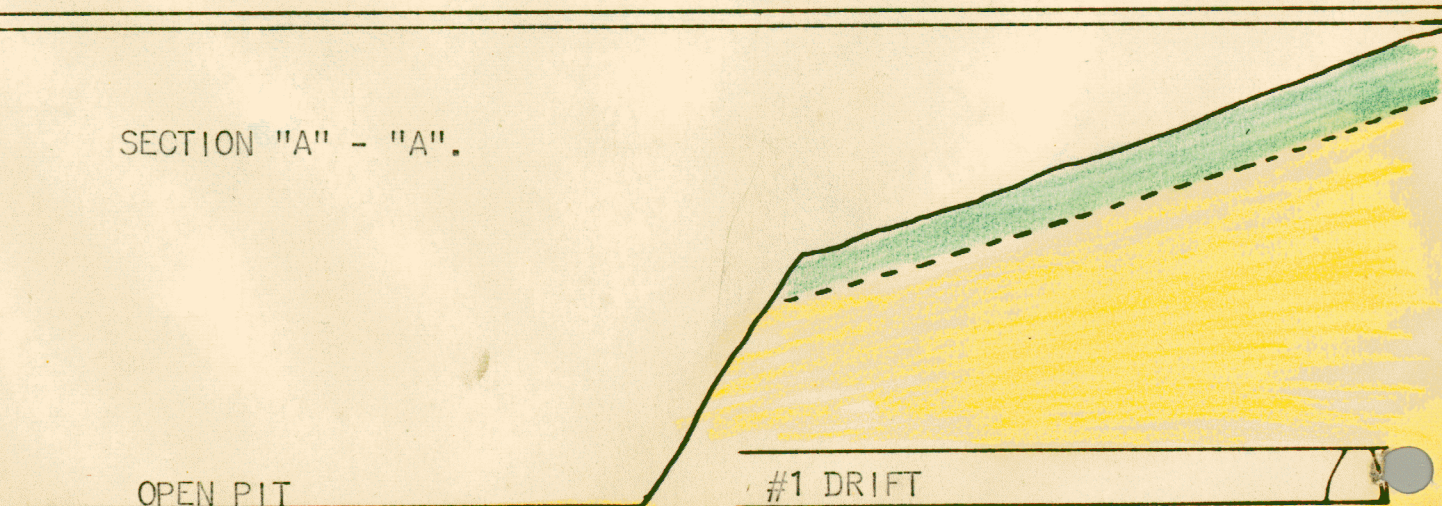
U. S. MINING EXPLORATION CO., INC.  
SILVER CROWN CLAIMS

- GOLD, SILVER, LEAD SOLD CRUD  
@ \$50 TO \$133 PER TON OLD PRICE.
- MINERALIZED RHYOLITE \$2 - \$20  
PER TON OLD PRICE.
- SHALE
- DUMPAGE - \$5 - \$14 PER TON  
OLD PRICE
- SHALE FLOAT

DIAGRAMATIC  
SILVER CROWN OPEN PIT AREA  
SCALE : 1" = 20'  
JHW-NOV. 1940



SECTION "A" - "A".





■ \$2 TO \$30 CROPPING VALUES  
OLD PRICE.

■ PROJECTION OF CROPPINGS

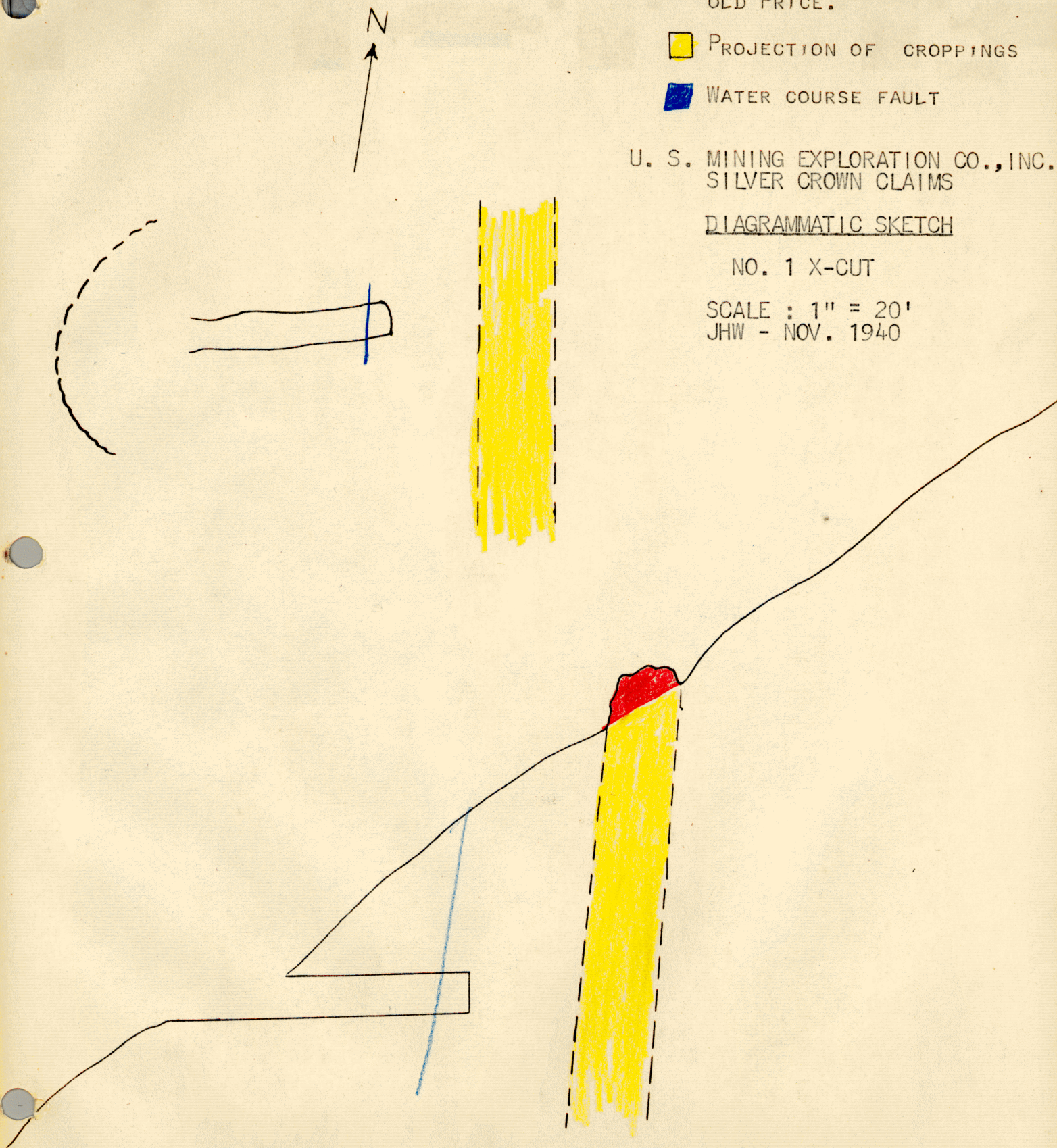
■ WATER COURSE FAULT

U. S. MINING EXPLORATION CO., INC.  
SILVER CROWN CLAIMS

DIAGRAMMATIC SKETCH

NO. 1 X-CUT

SCALE : 1" = 20'  
JHW - NOV. 1940





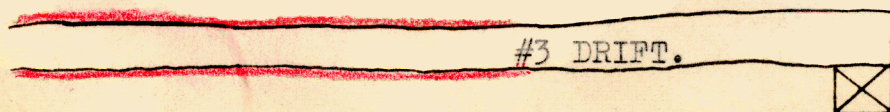
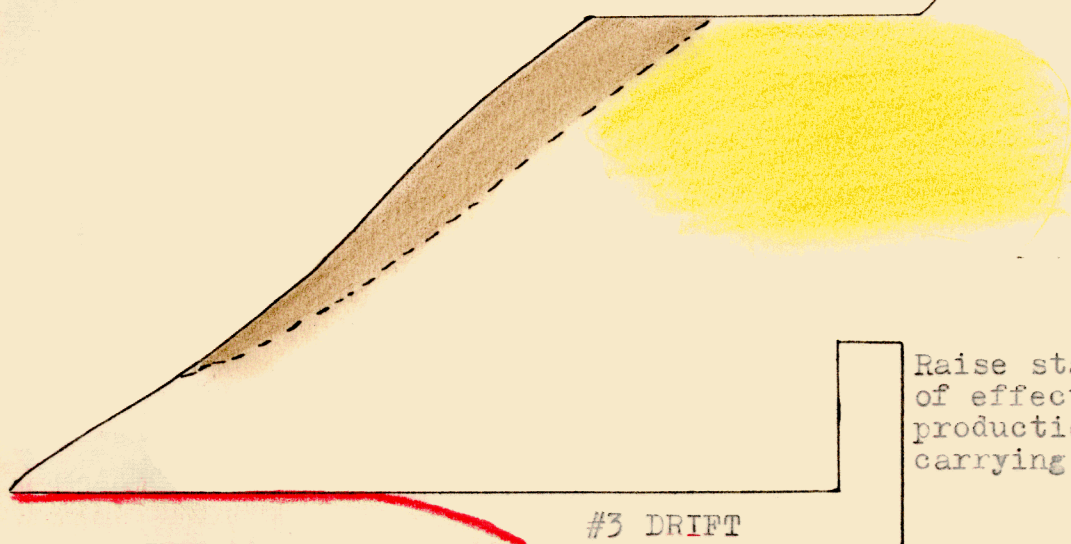
■ \$2 to \$14 Au values taken in samples off of dump.

■ Possible Pb tonnage area. \$50 to \$133 per ton lots shipped out of open pit above this zone.

■ \$3 to \$18 Au values shown in mineralized breccia.

#3 DRIFT

SCALE: 1" EQUALS 20'.





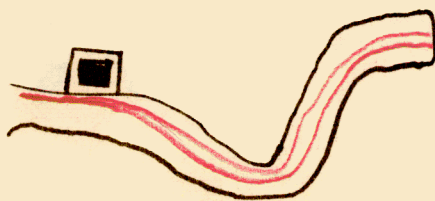
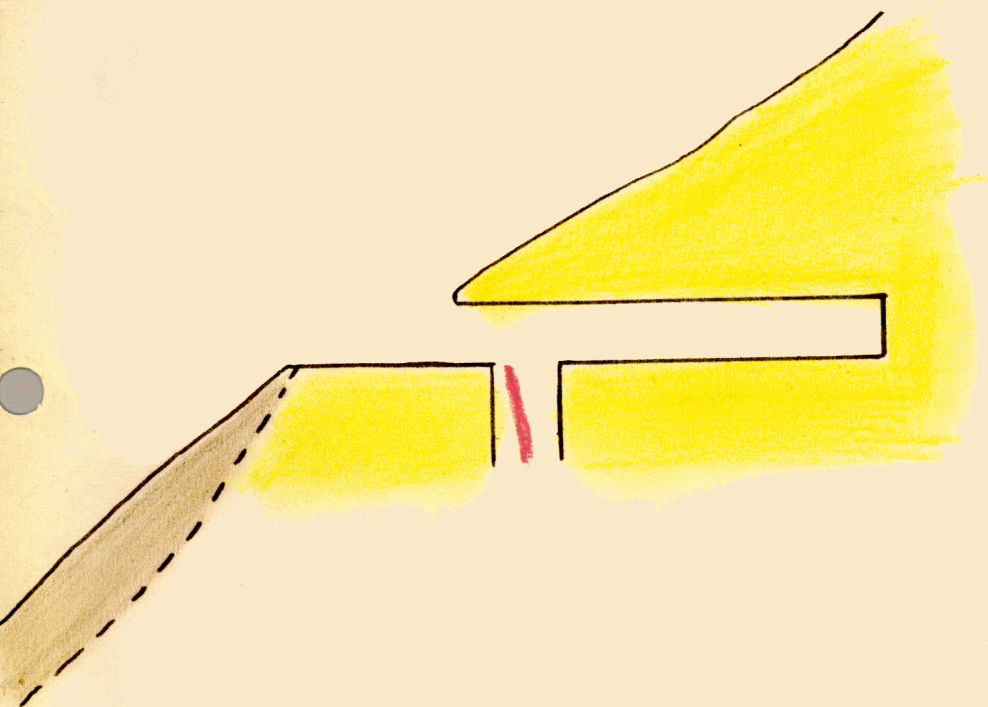
☐ Galena stringers.

☐ \$1 to \$15 Au samples taken  
out of surface channels.

☐ Au-Pb values to \$15 on dump.

#4 DRIFT .

SCALE: 1" EQUALS 20'.



STATE ANALYTICAL  
MINING LABORATORY

August 22, 1940

Mr. James H. Wren

Wellington, Nevada

Report on sample or specimen received from you on August 21, 1940, is as follows:

Number	MINERALS OR ROCK	Ounces Per Ton	
		Gold	Silver
	Will you please read the state law and note we are not to assay samples from properties shipping ore. You state you have shipped ore, therefore, we are only giving you mineral determinations.		
1	Chiefly galena, a high grade lead ore.		
2	Galena, quartz, limonite, same remarks as No. 1.		
3	Quartz with coating of iron and manganese oxides.		
4	Quartz coated with limonite.		
5	Chiefly galena, a little cerussite and quartz.		
6	Quartz, limonite, a little galena, anglesite, cerussite.		
7	Quartz breccia from a fault zone, a little calcite.		
8	Carbonaceous limestone		

W S Palmer  
Director.

The Laboratory very often receives a letter which does not state definitely what is desired on a given sample or we may misunderstand a request, therefore in case we have not made the determination you desire or you wish further information regarding these samples, please write within a month, and refer to the number of this report.

The State Analytical Mining Laboratory makes free determinations of Nevada ores and minerals only for citizens of the State, on Nevada samples. As satisfactory assays cannot be made on very small single piece specimens, no gold or silver assays are run on specimens under three ounces in weight unless special conditions are shown to prevail. Assays below 20 cents per ton are reported as traces or none.

Please address samples and communications to State Analytical Mining Laboratory, University of Nevada, Reno, Nevada, and be sure to put your name on your packages; this is often not done and we are unable to return reports and are accused of throwing the samples away.

J. H. WREN & CO.  
CONSULTING ENGINEERS

CABLE ADDRESS  
WRENCO

P. O. ADDRESS BOX NO. 504  
SACRAMENTO, CALIF.

September 9, 1947

Douglas County Recorder  
Minden, Nevada.

Dear Madam:

During the month of May 1947 I filed an "Intention to Hold" notice concerning several lode mining claims located in the Red Canyon Mining District. I sent the notice with the recording fee in form of U. S. Money Order via registered mail. Have not so far received a receipt or acknowledgement of the notice. Would appreciate knowing if the "Intention to Hold" has been recorded.

Very truly yours,

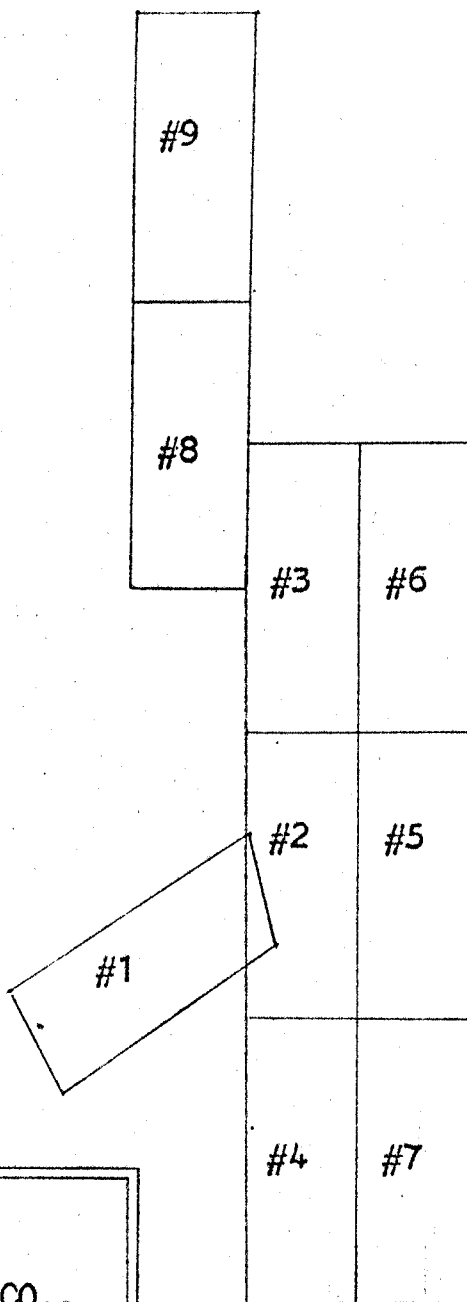
*James H. Wren.*  
James H. Wren.

*Minden, Mo Sept. 11, 1947.*

Dear Mr. Wren—

The Notice of Suspension of Labor on the Mary & Mary, Silver King, etc. Mining Claims was received by me on June 19, 1947 and recorded and returned to you at P.O. Box 535, Milford, Utah on July 27, 1947 with a balance owing of \$50.

*Sincerely*  
*Ethel H. Schacht*  
County Recorder.



PLAN

U. S. MINING EXPLORATION CO.,  
INC.

MINERAL COUNTY, NEVADA

SILVER BULLION CLAIM GROUP

KING MINING DISTRICT

2/24/63  
J.H. W.

**J. H. WREN & COMPANY**

Consulting Mining Engineers  
4297 D Street  
Sacramento, California



## J. H. WREN & CO.

CONSULTING ENGINEERS

CABLE ADDRESS  
WRENCO

P. O. ADDRESS BOX No. 504  
SACRAMENTO, CALIF.

### RED CANYON MINING CLAIMS

#### LOCATION :

The claims are located in the Red Canyon Mining District of Douglas County, Nevada. Nearest town to the property is Wellington, Nevada, some twelve miles distant. Railroad shipping point is approximately 17 miles from the mine. With the exception of six miles of canyon road, trucking conditions are excellent. About three days work with a tractor-bulldozer should straighten the canyon portion of the road sufficiently to allow production trucking.

#### PROPERTY EXTENT :

The holdings consist of five full lode claims. Names of which are: Mary & Mary, Wood-tick, Silver king, Golden Arrow, and the Red Arrow.

#### OWNERSHIP :

The sole owner of the herein listed mining claims is the J. H. Wren Company of P. O. Box 504, Sacramento, California. The property is free of obligation.

#### HISTORY :

During the past 40 years the property has produced a few high grade selectively mined shipments, marketed as crude ore direct to smelters. The last shipment was sold in the year of 1940 to U. S. Smelting, Refining & Mining Company, Midvale, Utah. Previous operations were conducted by surface channeling, X-cutting and drifting to pick up galena occurrence in the mineralized zone some fifty to one hundred feet in width. All work on the property to-date has been accomplished by hand.



## RED CANYON MINING CLAIMS

(2)

### DEVELOPMENT :

Development consists of several hundred feet of drifts, X-cuts, and raises. There is one open pit where several thousands of cubic feet of material have been displaced plus numerous surface channels across the ore zone. There are also several pre-1900 drifts which have not been reopened but the dumps indicate workings in low grade ore. The mineralized zone in which the direct smelting high grade occurs is from 50 to 100 feet in width and 2,000 feet long. All surface channels across the zone have shown gold, silver and lead values.

### SMEALTER SETTLEMENT ASSAYS :

The following assays are from settlement sheets on the last three shipments sold. The sheets are available for inspection. Payment was based upon 1940 market values and at that time there were no government premiums collectable on lead.

#### 1. February 5, 1940 :

.43 Oz. Au, 51.60 Ozs. Ag, 36.0 % Pb, 37.1 % Insol., 5.0 % Fe,  
.5 % Zn, 5.6 % S, 5.0 % Sb.

#### 2. September 9, 1940 :

.13 Oz. gold, 38.70 Ozs. Silver, 22.30 % Lead, 56.8 % Insol.,  
5.6 % Iron, .5 % Zinc, 2.5 % Sulphur, .8 % Lime, 1.2 % Antimony.

#### 3. September 14, 1940 :

.17 Oz. Gold, 134 Ozs. Silver, 56.10 % Lead, 19.6 % Insol.,  
1.70 % Iron, 7.4 % Sulphur, 1.5 % Lime, 1.2 % Antimony.

### OPERATIONAL SUGGESTIONS :

1. The ground in vicinity of the open pit ( sketch attached) lies in such manner that a tractor-bulldozer could strip the shale overburden off with little cost to expose the stock-work of lead sulphide which outcrops on the surface under the shale float. The greater widths at intersections could be selectively mined as deep out of pits as conditions permit. Formerly the developer by hand was too costly while shale was handled between each mining width. A tractor could open up more ground for galena selection in one day than two men could expose by hand in thirty days. The shale overburden is not cemented and not larger than 6"X 10" in size.

## RED CANYON MINING CLAIMS

(3)

### OPERATIONAL SUGGESTIONS :

1. Continued.

Pit production out of the wider stringers and mineral which occurs in lens form should net not lower than \$2,500 per fifty ton lot without premiums. Until June 30, 1947 it is quite possible that both "A" and "B" quotas could be obtained on lead. The above \$2,500 net is considered as over-all profit. If a highly selectively mined product is produced the net on each car without premiums could run up as high as \$5,000 per fifty tons as judged from the grade of all previous shipments. This area holds the best immediate income possibilities. The returns from which could pay for the other other three production development projects. It is highly probable that after three days of intensive bulldozer stripping, direct smelting cubics of excellent grade could start being produced. This movement would call for about 40 hours of tractor-bulldozer time and two men digging out exposed ore after the tractor is finished stripping.

2. Drift number three shown on attached sketch was driven with the object of getting under the "Open Pit" area. A raise has been started and should contact the zone of galena occurrence within the next twenty feet of advance. The bottom of the open pit could be "glory-holed" into the chute taking advantage of full gravity for volume tonnage moving. Part of this tonnage would be low-grade ore and it should be advisable to stockpile. A short conveyor belt around 25' in length could be set and high grade galena hand sorted off of the line. This installation would not be expensive and on the basis of volume out of the glory hole every stringer and lens in the area containing lead sulphides would be produced. Ground conditions in vicinity of the present open pit are loose, shattered and not cemented. Consequently very low cost tonnage would be expected on this project. The drift already driven under location of the proposed glory hole itself contains a width of brecciated quartz which runs from \$3 to \$18 per ton. The breccia dips flatly into the hill passing below the level of the adit some fifty feet from the portal. At some later date this occurrence could be checked by the sinking of a winze on the ore for a short distance to determine its strength.

## RED CANYON MINING CLAIMS

(4)

### OPERATIONAL SUGGESTIONS :

3. X-cut number one as shown on the sketch was driven with object of contacting the projection of a mineralized outcropping which sampled from \$2 to \$30 gold values. It was suspected that some of the higher samples obtained from the croppings were not representative due to concentration. The cross-cut has only about 20' to go yet to contact the projected line. The croppings indicate a width of ten feet so if the occurrence goes down and still carries values some considerable cubics will become available for production. This tonnage would probably have to be trucked to a custom mill for treatment. The additional 20' of necessary advance is deemed highly justified due to the very little expense involved and the interesting possibilities which are likely to be encountered.
4. Drift number four as shown on the sketch has not been fully sampled as the portal had just been reopened when the property was closed in 1940. However, there is a stringer of galena in the face and one leading down a winze which has not been recovered. This particular area does not impress one as having immediate production availability without additional development accomplishment.

### 5. OPERATIONAL SUGGESTION SUMMARY :

- a). For a cost not to exceed \$10,000 all of the above movements could be placed into motion and a reserve of funds left over in case of necessity. This would include all necessary mining machinery, compressor rental, bulldozer rental, camp establishment and labor costs until the first returns come back. Within one month after actual operations commence both the surface ore pit production and the glory hole project should furnish shipable tonnage. On the basis of grade even the limited tonnage sold each month should deliver a nice small project return, from these two above mentioned sources alone.
- b). Number 1 cross-cut should be driven into the contact which is about 20' away. There is a good possibility that this development could start income rock out within a week's time.
- c). There are other mining considerations on the property but those listed herein seem the most likely to produce income production on a short time element basis.

## RED CANYON MINING CLAIMS

(5)

### 5. OPERATIONAL SUGGESTION SUMMARY :

- c). The property has a cabin, spring and pump for domestic water. There is also a year around flowing stream which can be used in the event that milling installations are ever made. Excepting a minor compliment of hand tools, all machinery for the operation will have to be brought in.

### LOW GRADE MINING POSSIBILITY :

On long range mining consideration after most of the known zones of direct smelting ore have been mined there is possibility of volume tonnage being available relative to concentrating on the property. The property has never been sampled from a milling standpoint. However, the main zone contains gold and silver values which might prove of interest. The development for hi-grade shipping ore has opened up low grade areas which might prove adaptable for milling.

### PROPERTY AVAILABILITY :

The property is available for operation under a lease to a responsible individual or party. Terms of a lease would depend upon the operational schedule contemplated. If the prospective leasor would only plan to work out the shale covered outcropping galena and the pit for fast, short term operations, the royalty and time element would not be as favorable as if the other two listed developments were carried along also.



James H. Wren,  
September 30, 1946.

Phone ELgin 9-9962

J. H. Wren & Co.  
4297 D Street  
Sacramento 19  
California

# ASSAY REPORT

## MINERAL SERVICES, INC.

ASSAYERS &amp; CHEMISTS

Merwin G. White, President  
Don Johns, Vice-President

158 South West Temple Street  
Salt Lake City 1, Utah

Lab # 1503-10

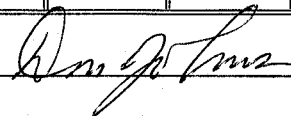
January 29, 1963

ASSAY PER TON OF 2000 POUNDS

DESCRIPTION	NO.	GOLD OUNCES	SILVER OUNCES	WET LEAD %	COPPER %	ZINC %	INSOL %	%	%	%	VALUE OF GOLD PER TON
# 1001		0.075	0.5								
1002		0.400	Trace								
1003		0.020	0.4								
1004		0.050	0.4								
1005		0.035	0.4								
1006		0.060	186.4	Trace							
1007		0.050	0.4	Trace							
1008		0.175	1.4								

CHARGES \$ 23.00 Paid

BY



Phone ELgin 9-9962

U. S. Mining Exploration Co.  
5801 - 59th Street  
Sacramento 24, California

# ASSAY REPORT

## MINERAL SERVICES, INC.

ASSAYERS &amp; CHEMISTS

Merwin G. White, President  
Don Johns, Vice-President

158 South West Temple Street  
Salt Lake City 1, Utah

Lab # 1601-4

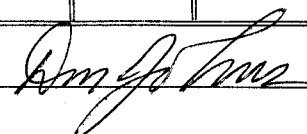
February 14, 1963

ASSAY PER TON OF 2000 POUNDS

DESCRIPTION	NO.	GOLD OUNCES	SILVER OUNCES	WET LEAD %	COPPER %	ZINC %	INSOL %	%	%	%	VALUE OF GOLD PER TON
# 1009		0.010	0.3								
# 1010		0.020	58.2								
# 1011		0.245	2.0								
# 1012		0.030	0.4								
* not yet completed											

CHARGES \$ 10.00 Paid

BY



U. S. Mining Exploration Co.  
5801 - 59th Street  
Sacramento 24, California

# ASSAY REPORT

## MINERAL SERVICES, INC.

ASSAYERS &amp; CHEMISTS

Merwin G. White, President  
Don Johns, Vice-President

158 South West Temple Street  
Salt Lake City 1, Utah

Lab # 1602

February 15, 1963

ASSAY PER TON OF 2000 POUNDS

DESCRIPTION	NO.	GOLD OUNCES	SILVER OUNCES	WET LEAD %	COPPER %	ZINC %	INSOL %	%	%	%	VALUE OF GOLD PER TON
1010					2.50						

CHARGES \$ 1.50

BY *Don Johns*

TELEPHONE WASATCH 1199

Hand  
Sample Serial 90271-6

Mine U. S. 966

## ASSAY CERTIFICATE

### UNION ASSAY OFFICE, INC.

J. V. SADLER, President.  
A. C. SELBY, Vice-Pres. & Treas.  
A. C. SELBY, Jr., Secretary.

Salt Lake City, Utah

Sept. 24, 1940

RESULTS PER TON OF 2000 POUNDS

NO.	CLASS	GOLD Oz. per Ton	VALUE GOLD	SILVER Ozs. per Ton	LEAD Per Cent Wet	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent
1		0.010		0.7	None	5.83						
2		Trace		0.2	None							
3		Trace		None	None							
4		Trace		0.1	None							
5		0.040		45.0	18.9							
6		0.080		149.1	66.2							

Stringers found while making road.  
Calcite in barren zone  
Limestone  
barren quartz  
Second grade  
stringer material

Remarks

Charges \$

## NEVADA MINERAL LABORATORIES

233 E. PLAZA ST.

PHONE RENO 21001

RENO, NEVADA

## ASSAY CERTIFICATE

M. J. Ives

June 18, 1940

WE HAVE ASSAYED YOUR 1 SAMPLES AND FIND It CONTAINS: (PER TON OF 2000 LBS.)

NO.	MARK	GOLD Ozs. per Ton	VALUE GOLD	SILVER Ozs. per Ton	LEAD Per Cent Wet	COPPER Per Cent	MERCURY Per Cent	ZINC Per Cent	WO <sub>3</sub> Per Cent	Per Cent
	Quartz Breccia from Lower drift.	.15	5.25	none						

Remarks:

Charges: \$1.00 Paid

ALL ASSAYS RUN IN DUPLICATE

TELEPHONE WASATCH 1199

Hand  
Sample Serial, 88539-43ASSAY CERTIFICATE  
UNION ASSAY OFFICE, INC.J. V. SADLER, President.  
A. C. SELBY, Vice-Pres. & Treas.  
A. C. SELBY, Jr., Secretary.

Salt Lake City, Utah

August 6, 1940

Mine U. S. 512

RESULTS PER TON OF 2000 POUNDS

NO.	CLASS	GOLD Oz. per Ton	VALUE GOLD	SILVER Ozs. per Ton	LEAD Per Cent Wet	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent
1		0.130		119.1	60.4	← Bon sample of galena						
2		0.160		200.6	75.2	← Picked sample of galena						
3		Trace		1.9	0.7	← Quartz from lower drift						
4		Trace		2.4	1.6	← Limestone on bottom of lower drift						
5		Trace		0.4	0.8	← Barren sample - Pilot for mineralization						

Remarks:

Charges \$

**UNITED STATES SMELTING REFINING AND MINING COMPANY**  
NINTH FLOOR NEWHOUSE BUILDING

Provisional Settlement-6435-a

Salt Lake City, Utah, September 18, 1940

Pay JAMES H. WREN, Walkermine, California

SP: Yerington, Nevada

Ore Crude

Lot No. 2-1

Gold License No.

Sampled by Midvale

Received 9-11-40

Sampled 9-13-40

Assayed 9-14-40

Metal Quotations—Gold 34.9125 Silver 70.625 Copper, N. Y.

Lead, N. Y. 4.90

Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ANTHRACITE
U. S. S. Co.										
Umpire										
Settlement Assay	.17	134.0		56.10	19.6	1.70	.40	7.4	1.5	1.2

CAR NOS.	WET WEIGHT	METAL VALUE	WORKING CHARGE
LCL		Gold 100% @ 31.8183 5 41	Treatment Base 30% Lead 2 65
		Silver 100% Less 1/2 oz. 94 28	Credit Acc't Over 30% Pb. 2 61
		Copper	Debit Acc't Under 30% Pb.
		Lead 33 70	Insoluble 1 96
		Zinc	Zinc Charge, excess over 6%
		Total Metal Value 133 39	Sulphur Charge, excess over 2% 1 35
		Less 5 % of value of silver 4 71	Arsenic Charge, excess over 2%
Total Wet Weight 5262			
Sacks 42 30			Total Debit 3 35
Net Weight 5232		Gross Value 128 68	Iron Credit 10
Less H <sub>2</sub> O 1.0 % 52		Less Working Charge 3 25	Net Working Charge 3 25

FORM C.O. 77-1 ©

**UNITED STATES SMELTING REFINING AND MINING COMPANY**  
NINTH FLOOR NEWHOUSE BUILDING

Provisional Settlement  
6435-a

Salt Lake City, Utah, September 18, 1940

Pay JAMES H. WREN, Walkermine, California

SP: Yerington, Nevada

Ore Crude

Lot No. 3-2

Gold License No.

Sampled by Midvale

Received 9-11-40

Sampled 9-14-40

Assayed 9-16-40

Metal Quotations—Gold 34.9125 Silver 70.625 Copper, N. Y.

Lead, N. Y. 4.90

Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ANTHRACITE
U. S. S. Co.										
Umpire										
Settlement Assay	.13	32.70		22.30	55.8	5.6	.50	2.7	.20	1.2

CAR NOS.	WET WEIGHT	METAL VALUE	WORKING CHARGE
LCL		Gold 100% @ 31.8183 4 14	Treatment Base 30% Lead 2 65
		Silver 100% Less 1/2 oz. 28 98	Credit Acc't Over 30% Pb.
		Copper	Debit Acc't Under 30% Pb. 77
		Lead 13 40	Insoluble 5 68
		Zinc	Zinc Charge, excess over 6%
		Total Metal Value 44 52	Sulphur Charge, excess over 2% 18
		Less 5 % of value of silver 1 35	Arsenic Charge, excess over 2%
Total Wet Weight 4666			
Sacks 47 20			Total Debit 9 28
Net Weight 4630		Gross Value 43 17	Iron Credit 34
Less H <sub>2</sub> O 1.0 % 46		Less Working Charge 8 94	Net Working Charge 8 94



## UNITED STATES SMELTING REFINING AND MINING COMPANY

Provisional Settlement  
5917-A

NINTH FLOOR NEWHOUSE BUILDING

Feb. 10, 1940

Salt Lake City, Utah,

Pay JAMES H. WREN, WALKERMINNE, CALIFORNIA

SP: Yerrington, Nevada

Ore Crude Lot No. 1 Gold License No.  
 Sampled by Midvale Received 1/31/40 Sampled 2/4/40 Assayed 2/5/40  
 Metal Quotations—Gold 34.9125 Silver 70.625 Copper, N. Y. Lead, N. Y. 5.50 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ASH
U. S. S. Co.										
Umpire										
Settlement Assay	.43	51.60		36.0	37.1	5.0	.5	5.6		5.0
CAR NOS.	WET WEIGHT		METAL VALUE				WORKING CHARGE			
L.C.L.			Gold 100% @ 31.8183	13	68	Treatment Base 30% Lead		2	65	
			Silver 100% Less ½ oz.	36	09	Credit Acc't Over 30% Pb.			60	
			Copper			Debit Acc't Under 30% Pb.				
			Lead	25	52	Insoluble		3	71	
			Zinc			Zinc Charge, excess over 6%				
			Total Metal Value	75	29	Sulphur Charge, excess over 2%			90	
			Less 5% of value of silver	1	80	Arsenic Charge, excess over 2%				
Total Wet Weight	3544									
Sacks 40	35									
Net Weight	3609									
Less H <sub>2</sub> O 1.4 %	51									
			Gross Value	73	49	Total Debit		6	96	
			Less Working Charge	6	66	Iron Credit			30	
						Net Working Charge		6	66	

## UNITED STATES SMELTING REFINING AND MINING COMPANY

Provisional Settlement  
5435-a

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, September 18, 1940

Pay JAMES H. WREN, WALKERMINNE, CALIFORNIA

SP: Yerrington, Nevada

Ore Crude Lot No. 3-2 Gold License No.  
 Sampled by Midvale Received 8-11-40 Sampled 8-14-40 Assayed 8-16-40  
 Metal Quotations—Gold 34.9125 Silver 70.625 Copper, N. Y. Lead, N. Y. 4.20 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ASH
U. S. S. Co.										
Umpire										
Settlement Assay	.13	22.70		22.30	56.8	5.6	.50	2.7	.20	1.2
CAR NOS.	WET WEIGHT		METAL VALUE				WORKING CHARGE			
ICL			Gold 100% @ 31.8183	4	14	Treatment Base 30% Lead		2	65	
			Silver 100% Less ½ oz.	26	98	Credit Acc't Over 30% Pb.				
			Copper			Debit Acc't Under 30% Pb.				
			Lead	13	40	Insoluble		5	68	
			Zinc			Zinc Charge, excess over 6%				
			Total Metal Value	44	52	Sulphur Charge, excess over 2%			18	
			Less 5% of value of silver	1	35	Arsenic Charge, excess over 2%				
Total Wet Weight	4666									
Sacks 47	20									
Net Weight	4636									
Less 1.0 %	46									
			Gross Value	43	17	Total Debit		9	22	
			Less Working Charge	8	94	Iron Credit			34	
						Net Working Charge		8	94	

## UNITED STATES SMELTING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Provisional Settlement-6435-a

Salt Lake City, Utah, September 18, 1940

Pay JAMES H. WREN, Walkermine, California

SP: Yerington, Nevada

Ore Crude

Lot No. 2-1

Gold License No.

Sampled by Midvale

Received 9-11-40

Sampled 9-13-40

Assayed 9-14-40

Metal Quotations—Gold 34.9125 Silver 70.625 Copper, N. Y.

Lead, N. Y. 4.90

Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ANTIMONY
U. S. S. Co.										
Umpire										
Settlement Assay	.17	134.0		56.10	19.6	1.70	.40	7.4	1.5	1.2

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
ICL		Gold 100% @	31.8183	5 41	Treatment Base 30% Lead	2	65
		Silver 100% Less ½ oz.		94 28	Credit Acc't Over 30% Pb.	2	61
		Copper			Debit Acc't Under 30% Pb.		
		Lead		33 70	Insoluble	1	96
		Zinc			Zinc Charge, excess over 6%		
		Total Metal Value		133 39	Sulphur Charge, excess over 2%	1	35
		Less 5 % of value of silver		4 71	Arsenic Charge, excess over 2%		
Total Wet Weight	5282						
Sacks	42 30				Total Debit	3	35
Net Weight	5232				Iron Credit		10
LiO	1.0 % 52				Net Working Charge	3	25
		Gross Value		128 68			
		Less Working Charge		3 25			

MINE MANAGEMENT  
OPERATIONAL CONSULTING

MINE EXAMINATIONS  
MINING ENGINEERING

INVESTOR'S REPORTS  
EFFICIENCY STUDIES

Item 5

# J. H. WREN & CO.

CONSULTING MINING ENGINEERS

CABLE ADDRESS  
WRENCO

PHONE GLADSTONE 6-0922  
4297 D STREET  
SACRAMENTO, CALIF.

## CONTENTS

### INVENTORY REPORT

U. S. MINING EXPLORATION CO., INC.

#### SECTION NO.

U. S. MINING EXPLORATION CO., INC. . . . .	1
→ SILVER CROWN PROPERTY . . . . .	2
SILVER BULLION PROPERTY . . . . .	3
UTAH-VISTA PROPERTIES . . . . .	4
REFERENCE . . . . .	6
MAPS IN POUCH . . . . .	7

A). VISTA WORKINGS PLAN	PLATE 1
B). U.S.G.S. UTAH-VISTA AREA	PLATE 2
C). U.S.G.S. SILVER CROWN AREA	PLATE 3
D). AREA MAP OF KING DISTRICT	PLATE 4
E). SILVER BULLION X-CUT PLAN	PLATE 5

## J. H. WREN & CO.

CONSULTING MINING ENGINEERS

CABLE ADDRESS  
WRENCO

PHONE GLADSTONE 6-0922  
4297 D STREET  
SACRAMENTO, CALIF.

FEBRUARY 21, 1963  
40 West First Street, Reno, Nevada  
U. S. MINING EXPLORATION CO., INC.

The U. S. Mining Exploration Co., Inc., was organized under the laws of the State of Nevada in 1945, and has been in good standing at all times concerning the regulations governing its operation.

The U. S. Mining Exploration Corp. is capitalized for two and one-half million, non-assessible shares with a par value of \$1 per share. Approximately three quarters of the total two and one-half million shares are unissued. The shareholders of the corporation are composed of professional engineers, businessmen, and retired individuals. No shares have been placed or given by the corporation for promotional purposes. All present members contributed either cash, property assets and/or services for their share ownership.

From 1945 to February 1963 limited activity was conducted by the corporation. It explored one gold property North of Winnemucca, Nevada and acquired a lease with option to purchase a group of eleven lode mining claims known as the Utah Mine in Lander County, Nevada. It also acquired the ownership of two lode mining claims, known as the Vista Claims, in Lander County, Nevada. The corporation abandoned the gold holdings north of Winnemucca after doing some rehabilitation and exploration work. The Utah Claims and the Vista Claims were examined, geologic, geophysical and metallurgical work was accomplished. Professional reports were made and the holdings were evaluated as economic mining properties. For the past several years the company's funds were inadequate to carry on any other work than completing the necessary assessment work to keep the claims in good standing under U. S. Federal Mining Regulations.

Mine operators Otto Brink, Ed Cleve and Consulting Mining Engineer, James H. Wren, all of Sacramento, California, through a mutually equitable arrangement with Mr. Lester Walbridge, President U. S. Mining Exploration Co., Inc., added valuable lode mining properties to the corporation's inventory in February 1963.

The U. S. Mining Exploration Co., Inc., inventory as of February 21, 1963, is as follows:

1. Lease with option to purchase Utah Lode Claim Group.  
See professional reports herein.

**U. S. MINING EXPLORATION CO., INC.**

2. Ownership of the Vista Lode Claims. See professional reports herewith.
3. Ownership of the Silver King Lode Claim Group consisting of seven full lode claims, in Douglas County, Nevada. See exhibits.
4. Ownership of the Silver Bullion Claim Group consisting of nine full lode claims in Mineral County, Nevada. See exhibits.

**IMMEDIATE CORPORATION OBJECTIVES:**

1. A joint venture agreement is being negotiated with J. Hitt of Sonoma, California to operate the Vista and Utah Claim groups. They are to drill out the indicated ore resulting from the Vista geophysical survey, evaluate and set up to beneficiate the 50,000 tons of dumpage for production income, rehabilitate and commence production of known ore in the Utah group.
2. Alignment is being made to complete the x-cut across some 300' of highly mineralized Rhyolite and the cutting of six mineral bearing veins on the Silver Bullion Nos. 2 and 5 claims. The data gained will also allow evaluation of open pit possibilities of gold-silver ore. During the course of driving the x-cut already in some 700' a very definite probability exists whereby direct crude ore shipments will be produced for market.
3. As soon as weather conditions permit -- in about one month or less -- the Silver King Claim Group will be reactivated and selective shipments of good grade gold, silver, lead ore produced.
4. The above objectives have been formally authorized by the shareholders and board of directors of the U. S. Mining Exploration Co., Inc.

  
James H. Wren

# J. H. WREN & COMPANY

Consulting Mining Engineers  
4297 D Street  
Sacramento, California

January 30, 1963

Subject: U. S. Mining Exploration Co., Inc., Inventory - Misc. Data.

## 1. Silver Crown Lode Mining Claim Group:

- a). Location: Red Canyon Mining District of Douglas Co., Nevada.
- b). Property: Seven full Lode Mining Claims, 1 mill site.
- c). Ownership: The U. S. Mining Exploration Co., Inc. is the sole owner, holdings are free of obligation.
- d). Geology: Gold, silver and lead occurs in an altered and highly mineralized Rhyolite bound by shale and limestone contacts.
- e). Production: Limited volume of selectively mined good grade ore shipped crude to smelting markets has been achieved for some 50 years, at various times. Shipments sold in the 1930s and 1940 we valued at \$50 to \$133 per ton at less than 1/2 of the present markets.
- f). Operation: Selected shipments produced from small open pits are scheduled to commence within the next 60-90 days. Evaluation of the wide mineralized zone is being studied relative to high volume, low grade open pit production.

## 2. Utah And Vista Mines:

- a). Location: Lander County, Nevada, in the Bullion Mining District.
- b). Property:
  - 1. Eleven full Lode Mining Claims known as the Utah Mine. This section is under lease-with-option-to-purchase for \$35,000 - royalty applicable against option.
  - 2. Two full Lode Mining Claims known as the Vista Group, owned free and clear by the U. S. Mining Exploration Co., Inc.
- c). Geology: The Country Rock in general is a series of thin-bedded, shaley limestones in which occur the mineralized fissures from which ore has been produced. Stringer zones and silicious fill in joints and cracks of the shaley limestone with silver minerals hold potential of volume open pit mining.
- d). Production: Considerable good grade, silver value, tonnage has been produced from the property since August 1907 intermittently. It now has some acceptable developed ore reserves and products which can be beneficiated.

2. Utah And Vista Mines, Continuation:

- e). Negotiations are now underway with regard to a joint venture agreement now being let to an adequately financed group who will be obligated to:
- a). Rehabilitate Utah Mine workings where available economic grade ore is developed.
  - b). Evaluate 50,000 tons of silver bearing dumpage with object of beneficiation and production income.
  - c). Diamond drilling of the area on the Vista No. 1 Lode Mining Claim as a follow up on the extensive geophysical study made of a particular zone which concluded in the exact locating of a highly favorable zone in which it is very probable that a major economic grade ore occurrence exists.
  - d). Sample, drill and evaluate the silver bearing zone which holds some considerable merit with regard to the opening of a high-volume open pit operation.

3. King Mine:

- a). Location: Nine full Lode Mining Claims in the King Mining District, of Mineral County, Nevada.
- b). Ownership: U. S. Mining Exploration Co., Inc. is the owner and the property is free and clear of obligation.
- c). Geology: The mineralized zone, some 350' in width by over 3/4 mile in length is a highly mineralized, altered Rhyolite. This mineralized zone, on the S.W. contacts Andesite which holds some mineralized veins. On the N.E. side, it is bound by unaltered Rhyolite. The chief values in the veins, stringer zones and disseminated mineral over extensive widths are in the form of gold and silver. Due to the absence of lower level exploration, it is suspected that the silver values will increase with depth as the surface shows evidence of high leaching.
- d). Production: Some selectively mined tonnage from this property was accomplished during the 1920s at a low silver price and under primitive mining conditions. However, hundreds of shallow shafts, short x-cuts, drifts and surface channels exist. Some mineral is present at each prospect. This will enable an economic evaluation and sampling program whose results will enable the compiling of an accurate reserve estimate.
- e). A seven hundred foot x-cut in good condition has been driven in the Andesite near the center of the ore deposit. This entry is only some 20' from a connection with the mineralized zone. Schedule calls for driving this adit across the proven mineralization, some 350'. During the course of the drive advance at least six veins will be cut through. Vein backs above this x-cut and production haulage adit will be from 150' to 450'. Gravity loading of ore production in this entry can be produced cheaply. At the conclusion of the x-cut drive an evaluation will be possible to conclude positive factors with regard to the now apparent possibility of the establishment of a high volume open pit operation with dimensions 300'-350' wide and over 1/2 mile in length. While this x-cut is being finished on one shift, a second shift can be producing shipping grade ore from the known veins. A preliminary sampling program has been completed. Results are available.

U. S. Mining Exploration Co., Inc. Inventory of Jan. 30, 1963

3. The U. S. Mining Exploration Co., Inc. is a solvent company. Its officers and directors are either members of various professions or experienced mine operators and engineers.

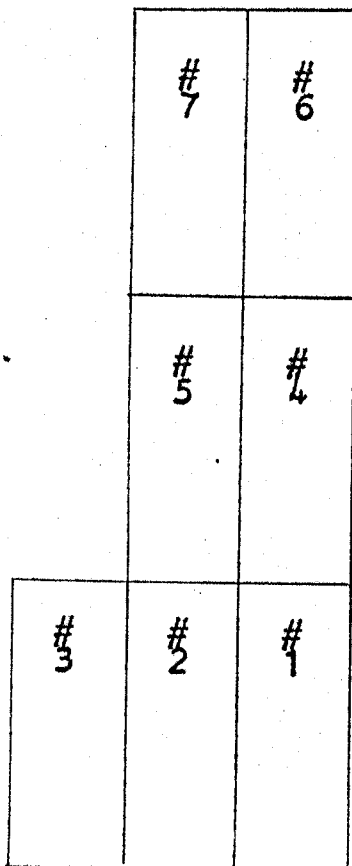
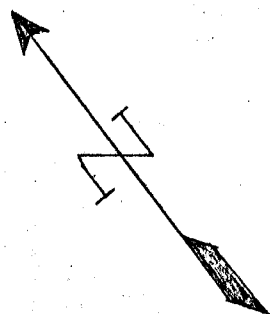
The corporation is capitalized at 2,500,000 shares of \$1 per stock. Something less than 600,000 shares have been issued and over 1,800,00 are unissued. It is a Nevada Corporation, organized in 1945. It has at all times been in good corporate standing during its almost 18 years of life.

4. The corporation's schedule at this time is to commence the production of silver-gold ores at its three properties. Silver market at \$1.25-6/10 is higher now than at anytime since the 1800s. Mining equipment, methods, metallurgy and technical advancement creates a very attractive silver production outlook from economic properties under the present long range firm market outlook.
5. The U. S. M. E. Co., Inc. is now conducting an examination program concerning gold-silver properties' evaluations with object of increasing corporation assets.

Very truly yours,  
J. H. Wren & Company,  
Consulting Mining Engineers,

By James H. Wren  
James H. Wren.





**J. H. WREN & COMPANY**  
 Consulting Mining Engineers  
 4297 D Street  
 Sacramento, California

PLAN  
 U. S. MINING EXPLORATION  
 CO., INC.  
DOUGLAS COUNTY, NEVADA  
LODE MINING CLAIM GROUP  
SILVER CROWN CLAIM GROUP  
RED CANYON MINING DISTRICT  
J. H. W. 2/24/63