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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: ESPERANZA

ALTERNATE NAMES:

BLUEBIRD
STORM CLOUD
BIG STICK
LITTLE DIAMOND JOE
CORONADO

MOHAVE COUNTY MILS NUMBER: 497A

LOCATION: TOWNSHIP 17 N RANGE 15 W SECTION 25 QTR. NW
LATITUDE: N 34DEG 49MIN 42SEC LONGITUDE: W 113DEG 49MIN 25SEC
TOPO MAP NAME: DIAMOND JOE - 7.5 MIN

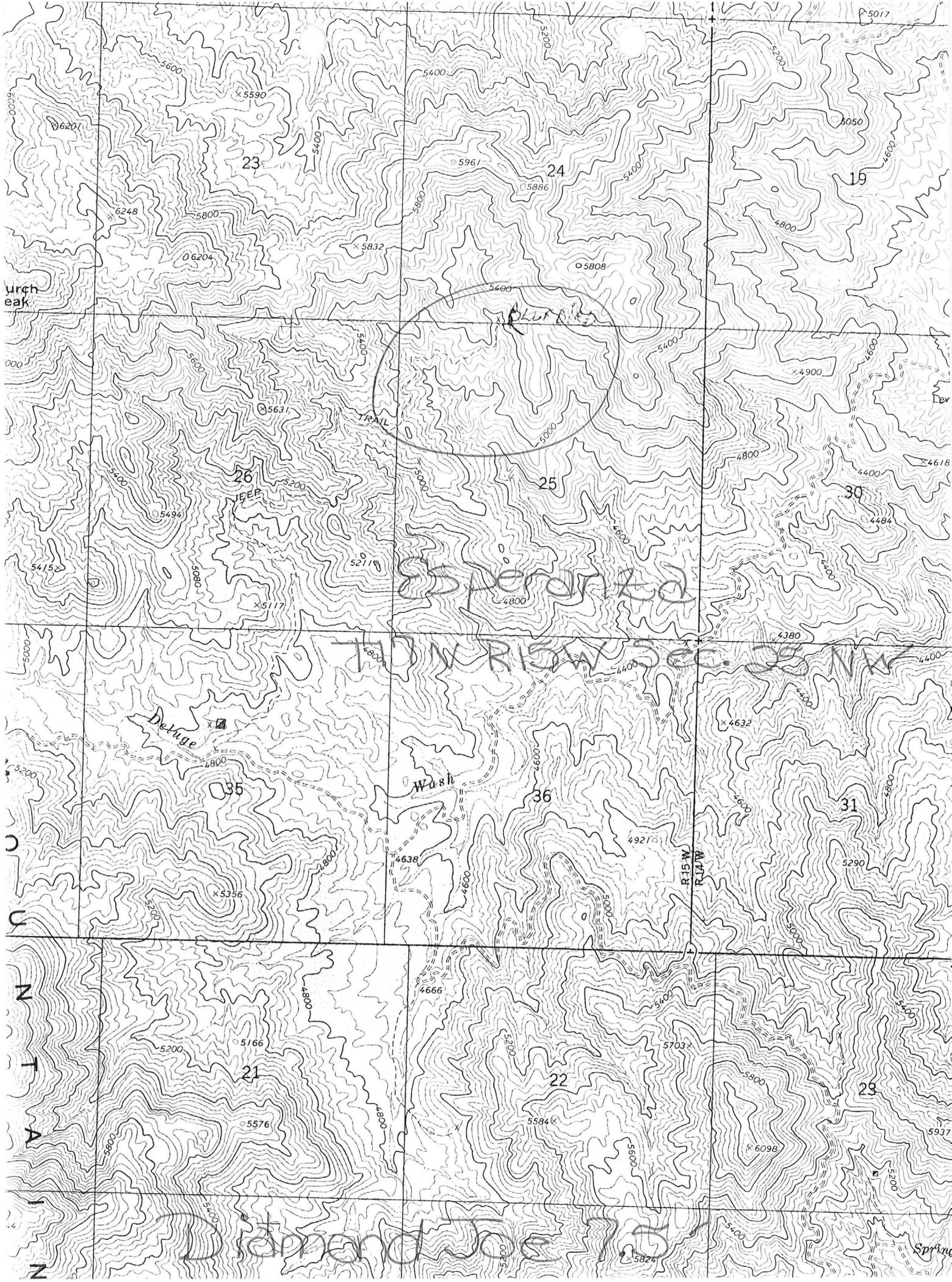
CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD-(M) LODE-PRIMARY
SILVER-COPRODUCT
LEAD-BYPRODUCT
ZINC-BYPRODUCT

BIBLIOGRAPHY:

USGS DIAMOND JOE QUAD
ADMR MOHAVE CUSTOM MILL PROJ. CARD FILE
ROMERO, B.C., AZ. STATE MINE INSP. ANNUAL
RPT., 1975
MALACH, R., MOHAVE COUNTY MINES, P. 20
D.O.E., GJBX-213 (82)
ADMR ESPERANZA MINE FILE



URCH
eak

TOWNSHIP 15 N SEC. 25 NW

N
T
A

Diamond Joe 75

Spring

THE COWBOYS GEOLOGICAL EXPLORATION, INC.

P. O. Box 927
Wikieup, AZ 85360

PRELIMINARY REPORT ON THE GIGI GIRL MINES

By James W. Miller
Vice President, Research and Exploration

for

THE COWBOYS GEOLOGICAL EXPLORATION, INC.

These mines are located approximately 25 miles by road northwest of Wikieup, Arizona. The portal of the mine is 22 miles from Highway 93, Mile Post 121 by graded dirt road open year round. The mines are in R15W T17N, Sections 23, 24, 25, and 26 with a northwest ext. into Section 15, Salt River Base and Meridian.

Elevation is from 4,600 to 6,700 feet. No timber. Mostly oak brush and juniper.

This is an area of Pre-Cambrian Granite and Schist. It is intruded on the east by a light granite mountain called Diamond Joe Peak. Mines in the area have been worked for gold, silver, copper and ~~molybdenum~~ ^{lead} moly.

Veins in these mines run mostly northwest and southeast; dip almost vertical. These veins have been mineralized by a magma intrusion running northeast to about west. It is my belief that the minerals came in with the magma intrusion. The magma intrusion is mineralized with magnetite, specular iron, gold, platinum and silver. Cross veins run in all directions from the magma. Most of these veins are brown quartz with centers of chlorides and bromides. Cross veins are from 4 feet to 30 feet wide, with the average being 20 feet. Values in gold run from 14, the lowest assay, to 43 on the highest assay. The average on 800 pounds of ore tested showed 3.94 ounces per ton (see attachment).

Silver runs from 5 to 30 ounces per ton. Platinum runs .24 ounces per ton of ore tested. Platinum group shows that this is not a normal platinum ore. Assays show high in irridium and osmium. This makes for smelting difficulties (see attachment). Tests run so far prove that the platinum group can be separated by gravity but gold and silver are in the form of chlorides and bromides and are lost with the gangue. We are presently setting up a flotation system. Gravity separation gives a concentration of 33 to one. The ore also contains small amounts of arsenic, copper and iron pyrites. Brown quartz crushes with difficulty. Bromides and chlorides crush very easily. Bromides and chlorides will probably go to sulfides at depth. Tests on brown quartz and chlorides show almost the same values in platinum group.

My opinion is that this is a good mine with a potential output of over 1,000 tons per day.

Mine consists of five load claims, five tunnel site claims and four millsite claims in Section 26, R15W T16½N, S.R.B.&M.

James W. Miller
Vice President, Research & Exploration

Inclusions: Assays from Action Mining

Report on tests by Ernest E. Phebus; Nevrado Mining & Refining, Inc., Mining Consultants

Reports by Dr. Donald E. Jordan, Registered Assayer

Reports by Jim Whitlock, Consultant and Torch Assayer; Innovex, Inc.,

(Note. Gravity testing is 30 to short of 50% at this point, Testing continues. J.M)

FIRE ASSAY REPORT



Mining Services Inc.

4460 W. Reno Ave. #D

Las Vegas, NV. 89118

(702) 362-1511

Date November 18, 1992

Assay performed for:

Name Paul Landers

Phone _____

Address 2191 Evening Ave

City, State, Zip LV, NV 89119

MG = milligrams

OZ/Ton = ounces per ton of ore

pre = pretreatment

ORE SAMPLE	FIRE ASSAY NOTES	Results	
		Gold	Silver
1	Notes	OZ/Ton	OZ/Ton
Bromide	Standard Fire Assay	.14	23.86
2	Notes	OZ/Ton	OZ/Ton
Black rock	" " "	1.8	31.40
3	Notes	OZ/Ton	OZ/Ton
White clay	" " "	2.3	3.28
4	Notes	OZ/Ton	OZ/Ton
white quartz	" " "	.7	12.60
5	Notes	OZ/Ton	OZ/Ton
white & brown	" " "	1.09	.89
	Notes	OZ/Ton	OZ/Ton
	Notes	OZ/Ton	OZ/Ton
	Notes	OZ/Ton	OZ/Ton

NOTE: Elements shown are in the values indicated and are present in the sample in an uncombined state, or in physical combination with other material, or in a compound with other elements. Such elements may or may not be recoverable in quantities indicated. These readings are for the above sample splits only.

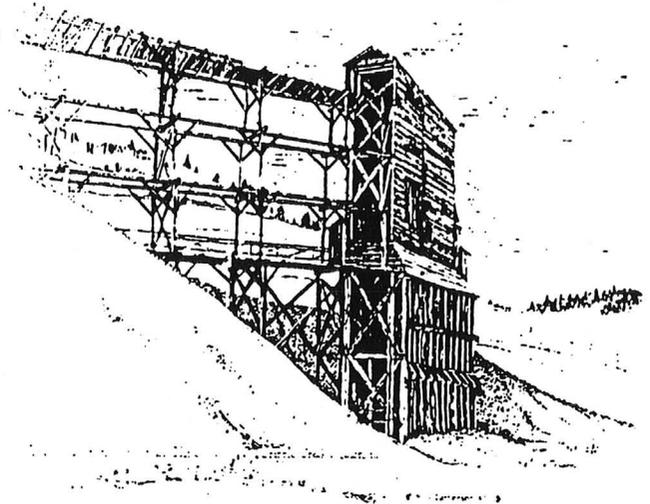
Comments:

THE UNDERSIGNED
HEREBY CERTIFY THIS IS
A TRUE AND EXACT COPY

Signature of Lab Manager

Nevrado Mining and Refining Inc.
Ernest E. Phebus
Mining Consultant
516 So. Boulder Hwy.
Henderson, NV. 89015

May 27, 1993



ORE TEST FROM COWBOY MINE IN ARIZONA

WHITE ORE

inside mine	54 lbs.
inside mine	65 lbs.
bridge	63 lbs.
cabin side	63 lbs.
cabin side	72 lbs.
mine side	47 lbs.
bridge	57 lbs.
<u>TOTAL</u>	<u>421 lbs.</u>

BROWN ORE

mine side	60 lbs.
B & B	43 lbs.
<u>B & B</u>	<u>33 lbs.</u>
<u>TOTAL</u>	<u>136 lbs.</u>

The ore was crushed and milled to 30 mesh or less.
The Ph of the ore is 6.5. (When the water was boiled down;
the Ph was 5.)

#1 White Ore

100 lbs. of crushed white ore.

Processed through the concentrator (bowls).

Ended up with 7 lbs. of wet concentrates.

We tabled the concentrates and ended up with 3 lbs. of dry concentra

#2 White Ore

100 lbs. of white ore; 50 lbs. crushed and 50 lbs. not crushed.

Process through the concentrator (bowls).

Ended up with 7 lbs. of wet concentrates.

Then we tabeled the concentrates and ended up with 3½ lbs. dry concentrates.

Test #1 and #2 was put together which gave us 6½ lbs. of dry concentrates. These concentrates were tested by D.C.P. assay # 9235 dated May 24, 1993 conducted by Dr. Jordan at his lab at 745 Sunset Road Suite 8 in Henderson, Nv. 89015. Phone number 702/565-0074. (paperwork labeled #1 concentrates)

#3 Brown Ore

130 lbs. of brown ore; 65 lbs. crushed and 65 lbs. not crushed.

Processed through the concentrator (bowls).

Ended up with 6½ lbs. of wet concentrates.

We tabeled them and ended up with 2½ lbs. of dry concentrates.

These concentrates were tested by D.C.P. assay #9236 dated

May 24, 1993 conducted by Dr. Jordan. (paperwork labeled #2 concentra

Enclosed in this report are the two copies from Metallurgical Research and Assay Laboratory from Dr. Jordan. Report #'s 9235 and 9236 both dated May 24, 1993.

Metallurgical Research and Assay Laboratory

745 Sunset Road Suite 8
Henderson, NV 89015
702-565-0074
702-564-0726

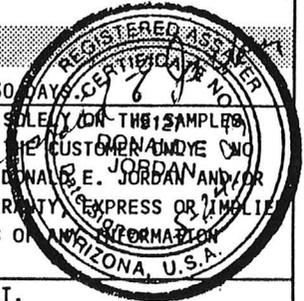
ASSAY REPORT

ASSAY NUMBER 9235 DATE: 5/24/93
CUSTOMER COWBOY MINING
SAMPLE IDENTIFICATION #1 CONCENTRATES

Element	PPM ug/g	troy oz/s.ton
Au-Gold	2.250	0.07
Ag-Silver	397.000	11.58
Pt-Platinum	24.000	0.70
Rh-Rhodium	3.200	0.09
Os-Osmium	65.000	1.90
Ru-Ruthenium	13.000	0.38
Pd-Palladium	2.250	0.07
Ir-Iridium	39.950	1.17

UNLESS PRIOR ARRANGEMENTS ARE MADE, ALL SAMPLES WILL BE DISCARDED AFTER 30 DAYS. THESE RESULTS ARE BASED ON WELL KNOWN ACCEPTED ANALYTICAL PROCEDURES AND SOLELY ON THE SAMPLES SUBMITTED BY CUSTOMER. THIS REPORT IS PREPARED FOR THE EXCLUSIVE USE OF THE CUSTOMER AND NO WARRANTIES AS TO REPRODUCIBILITY OR EXTRACTABILITY OF THE ORE IS GIVEN. METALLURGICAL RESEARCH AND ASSAY LABORATORY MAKE NO REPRESENTATION OR WARRANTY AND ASSUME NO LEGAL LIABILITY WHATSOEVER AS TO THE ACCURACY OR USEFULNESS OF INFORMATION CONTAINED IN THIS REPORT.

NOTE: " #VALUE! " MEANS THAT ELEMENT HAS NOT BEEN ANALYZED FOR THIS REPORT.



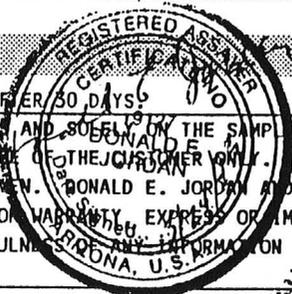
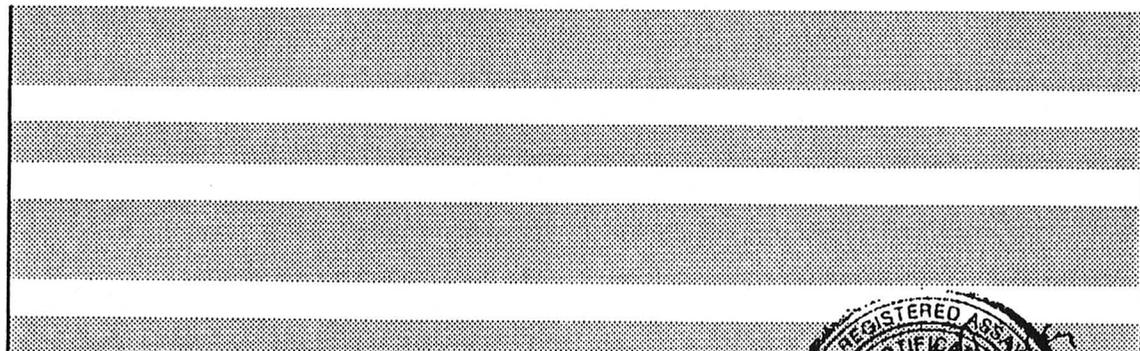
Metallurgical Research and Assay Laboratory

745 Sunset Road Suite 8
Henderson, NV 89015
702-565-0074
702-564-0726

ASSAY REPORT

ASSAY NUMBER 9236 DATE: 5/24/93
 CUSTOMER COWBOY MINING
 SAMPLE IDENTIFICATION #2 CONCENTRATES

Element	PPM ug/g	troy oz/s.ton
Au-Gold	2.400	0.07
Ag-Silver	177.500	5.18
Pt-Platinum	24.100	0.70
Rh-Rhodium	2.050	0.06
Os-Osmium	75.000	2.19
Ru-Ruthenium	15.600	0.45
Pd-Palladium	2.750	0.08
Ir-Iridium	40.200	1.17



UNLESS PRIOR ARRANGEMENTS ARE MADE, ALL SAMPLES WILL BE DISCARDED AFTER 30 DAYS. THESE RESULTS ARE BASED ON WELL KNOWN ACCEPTED ANALYTICAL PROCEDURES AND SOLELY ON THE SAMPLES SUBMITTED BY CUSTOMER. THIS REPORT IS PREPARED FOR THE EXCLUSIVE USE OF THE CUSTOMER ONLY. NO WARRANTIES AS TO REPRODUCIBILITY OR EXTRACTABILITY OF THE ORE IS GIVEN. METALLURGICAL RESEARCH AND ASSAY LABORATORY MAKE NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED AND ASSUME NO LEGAL LIABILITY WHATSOEVER AS TO THE ACCURACY OR USEFULNESS OF ANY INFORMATION CONTAINED IN THIS REPORT.

NOTE: " #VALUE! " MEANS THAT ELEMENT HAS NOT BEEN ANALYZED FOR THIS REPORT.

Torch Assay Test by Jim Whitlock at Innovex, Inc. at
 12451 Old U.S. Hwy. #95 So. Boulder City, Nv. on May 25, 1993

	Size of	
<u>White Ore</u>	<u>button</u>	
#1-A	.012	Dia @ 25% AU=12.5 oz. per ton
#1-B	.189	Dia @ 25% AU= 9.45oz. per ton
<u>White Ore</u>		
#2-A	.012	Dia @ 25% AU=12.5 oz. per ton
#2-B	.189	Dia @ 25% AU=9.45 oz. per ton
<u>Brown Ore</u>		
#3-A	.009	Dia @ 25% AU= 5.00oz. per ton
#3-B	.079	Dia @ 25% AU= 3.95oz. per ton
#4-A	.018	Dia @ 25% AU= 43.0oz. per ton
#4-B	.639	Dia @ 25% AU= 31.95 oz. per ton
#5-A	blank
#5-B	.013	Dia @ 25% AU=12.00 oz. per ton
#6-A	.008	Dia @ 25% AU= 3.50 oz. per ton
#6-B	.056	Dia @ 25% AU= 2.80oz. per ton
<u>Magnetics</u>		
#7-A	.006	Dia @ 25% AU= 1.15 oz. per ton
#7-B	.023	Dia @ 25% AU=
<u>Head Ore</u>		
#W-0	.009	Dia @25% AU= 3.95 oz. per ton

#1 TEST FROM 100 lbs. HEAD ORE (WHITE)

100 lbs. concentrated down to 3 lbs. of dry material gives you 3% of cons.

By processing 33.3 tons of head ore will give you approx. 1 ton of concentrates (or approx. 2,000 pds.)

From the report of Dr. Jordan using these figures and today's GOLD price as of June 1, 1993; we can recover this amount of cash:

*-@ 9.45oz. per ton in (gold) = \$3,591.00 in cash
@ 11.5 oz. per ton in (silver) = \$44.00 in cash
@ 1.9 oz. per ton in (osmium) = \$800.00 in cash
@ 0.70 oz. per ton in (platinum) = \$245.00 in cash
@ 1.17oz. per ton in (iridium) = no price available as of today

TOTAL.....\$4,680.00 per ton

These concentrates from the (bowl) will yield these figures of \$152.85 per ton from the waste rock on site.

*Please note that this figure 9.45 oz. per ton is taken from Jim Whitlock's torch assay report page 5 of this report.

Ernest Phebus Project Consultant for The Cowboys Geological Exploration, Inc. June 1, 1993

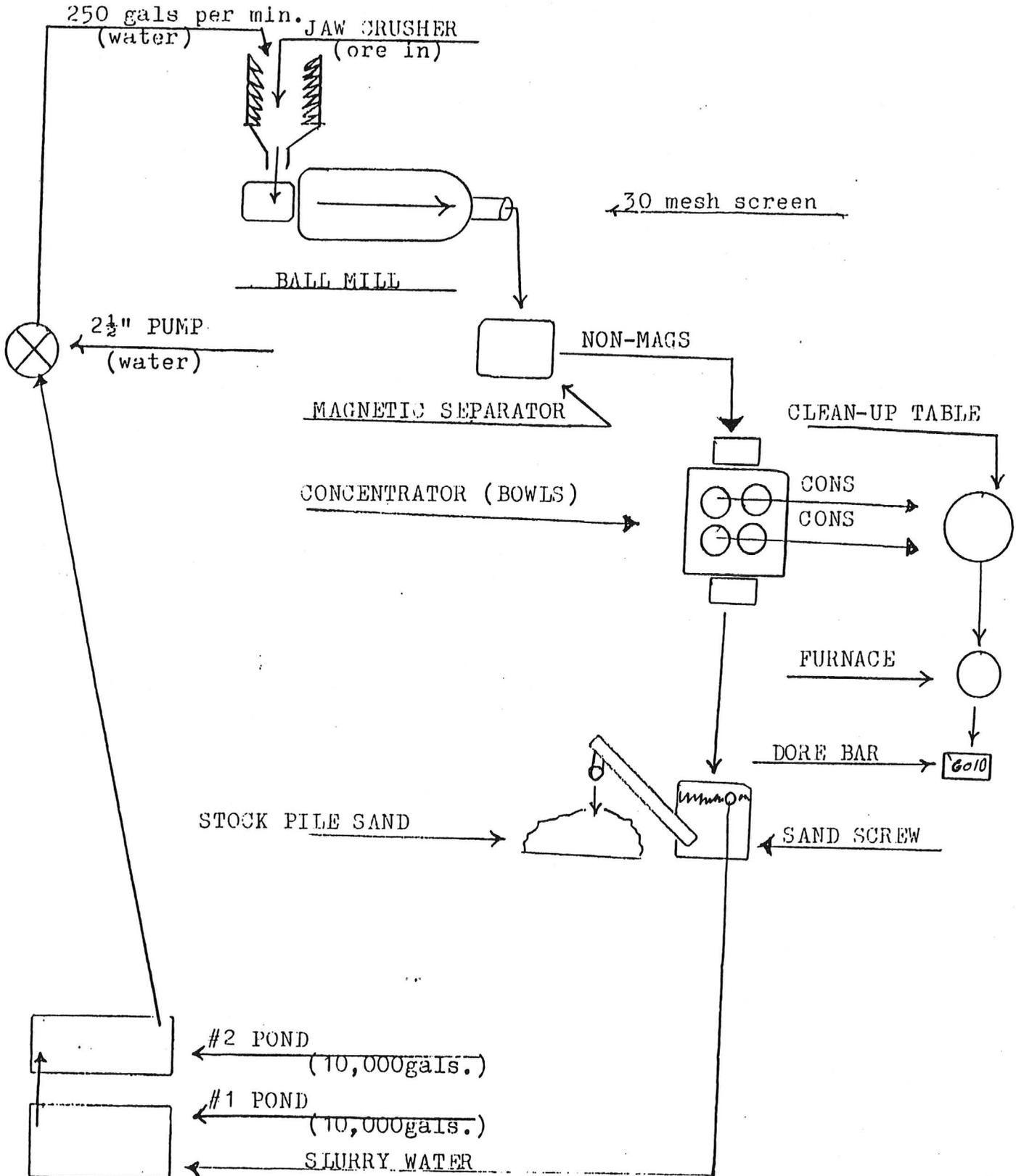


Ernest Phebus/Consultant

EP/jq

MILL AND RECOVERY SYSTEM FOR ONE TON TO THREE TONS PER HOUR

(CLOSED-LOOP SYSTEM) BY ERNEST PHEBUS MINING CONSULTANT 6/1/93



EVAPORATION ABOUT 1%.

by Ernest Phebus

June 1, 1993

(A) Archie Hatch
519 Alma
Kingman, Ariz
Esperanza mine

an ag Pb

8/26/74

(B) Esperanza mine
2 Unpat. lode claims
Cedar Valley Dist
Archie Hatch owner
sec. 25 T. 17N. R. 15 1/2 W.

an ag Pb

8/26/74

Red


3

BRIEF DESCRIPTION OF THE ESPERANTA MINE

Essential data provided by the owner,
Mr. Ed. Hansman.

NE

- (1) This mine consisting of two locations, Esperanta No.1 and Esperanta No. 2, is located in Section 25, Twp 17 North, Range 15 $\frac{1}{2}$ West, in the Cedar Valley Mining District of Mohave County. The mine is 25 miles S. E. of Yucca, the nearest railway shipping point. The truck road connecting Yucca with the mine is a good average desert road except for the last two miles at the mine end, this section is in need of repairs to be passable.
- (2) The mine location is on the upper slope of the eastern side of the Hualapai range of mountains. Berkley Peak, one of the high points, is some two miles westerly. This is an area of intensive vulcanism, intruded by many long quartz and pegmatite veins and dykes--also basic sills and plugs and acid porphyry. Within a radius of less than a dozen miles from the Esperanta Mine, there was produced fifty years and more ago, more than a million dollars in gold and silver, from near surface prospecting and mining. Due to transportation difficulties--pack animals and wagons--only the richest ore could be shipped.
- (3) The geology at the Esperanta is very favorable to ore deposition at depth. The hanging wall of the main ledge is a quartz porphyry--the foot wall a red granite which shades to a monzonite. The main and secondary ledge are true fissures, and there are some 20 branching small veins and stringers, all carrying ore of variable value. The main ledge, upwards of fifteen feet wide, is developed by a tunnel over 300 feet long. The ore in this ledge is in lenses from six inches to ten feet wide. The No.2 vein is some 40 feet north of the main ledge. A crosscut from the tunnel on the main ledge shows a width of six feet some 25 feet below surface.
- (4) The total of underground work adds up to fully 1400 feet of tunnel, crosscut and raises. No shaft sinking has been done, for with the single exception of work done under the option given in 1938, all work has been hand labor--principally my own--as assessment work. A winze sunk a few feet below the floor of the main tunnel, entered the permanent water level and proved that the ore changed from surface carbonates to sulphides with continuing good values. Many carloads of ore in sight above the tunnel level, but a shaft will be needed for the proper development of this mine. The mine is not located on the steep side of a mountain where it could be developed by a series of long adits, but lies across a ridge of comparatively low altitude, hence the necessity of a shaft to develop ore above underground workings.
- (5) The mention above of "Ore in sight", is ore above the tunnels driven on the veins or ledges--to be mined by raise and stope. There is about one R. R. carload of \$45.00 ore on the dump. In 1936 a cloudburst washed away a carload of ore I had stockpiled at the mouth of the main tunnel for future shipment. This ore was sampled and assayed by two engineers and their reports showed an average above \$90.00 per ton in gold and silver.

41
NO
*** PAGE TWO ***

A brief history of this mine will be of interest. It was first located in 1881 by John Nolle and Podoci Padilla, both very successful Mexican miners, and prospectors. There was in the years following discovery sporadic shipments of rich ore. From 1890 to 1895 several carloads of rich ore was produced. In 1892 one small shipment was made which ran \$104.00 in gold, 370 oz. of silver, and 40% lead per ton. This is reported to have come from the main ledge. In 1916 when I secured the property I mined and shipped seven tons, also from the main ledge, and the returns per ton from my was if anything slightly higher than that mined in 1892.

In 1938 I optioned the Esperanza to Messrs Farley, Conger & Holland. This unfortunately for me turned out to be just another case of "mining the public instead of the ground". However they did build the two miles of connecting road I needed, moved in a small plant and did some drifting and crosscutting. From these small operations they did ship 104 tons of ore which ran \$28.00 per ton. The value of this shipment could easily have been doubled if care had been used in mining and handling to avoid dilution with waste. This was not done. With the exception of a 50 ton ore bin, some pipe and track, there is no equipment now.

Certified correct and signed by me--
Ed Hansman, Kingman, Ariz.

Signed

Ed Hansman
Box 11

Esperanza
Mine (file)

A GEOLOGICAL REPORT

ON THE

"WRIGHT" GROUP OF MINING CLAIMS

LATITUDE 34°45' NORTH, LONGITUDE 113°40' WEST

FOR

FLOYD M. WRIGHT AND SONS

WIKIEUP, ARIZONA

BY

ALEX H. CLARK, Jr.

APRIL 15, 1971.

INTRODUCTION

From January 21, 1971, to February 5, 1971, a 3 man team of field personnel headed by the writer carried out a geological, surface sampling, underground sampling and intense prospecting program on the "WRIGHT" group of mining claims owned by Mr. F.M. Wright and located in the Cedar Mining area, Wikieup, Arizona. The period of field work represents 16 man days, while map and office interpretation represent 9 man days. The purpose of the program was to evaluate the economic potential of the property.

GENERAL

The "WRIGHT" group of claims is situated in one of the most active areas of mineral exploration in the state of Arizona. The property is located some 130 miles northwest of Phoenix, Arizona, or 16 miles northwest of Wikieup, Arizona, in the Hualapai Mountains. This region has a number of proven silver-copper-lead deposits, of which to date over 100 such occurrences have been located, including the famous Bagdad Mine.

The property is comprised of 6 Arizona claims which measure 1,500' by 600' each.

LOCATION AND ACCESS

The group is located some 16 miles northwest from Wikieup, Arizona near Pine Peak. Coordinates of the property are 34 degrees 45 minutes North Latitude and 113 degrees 40 minutes West Longitude. Usual access is by an old mine road to the site from Wikeup which is a distance of 16 miles. This road was originally constructed by miners in the early part of the century to service the mines which were in operation at the time.

Mr. Wright has rehabilitated the road in the past year and thus it is easily travelled by motorvehicle. Alternate access is by helicopter from Phoenix. A 3,000 foot airstrip composed of good gravel is located at Wikieup near the home of Mr. Wright.

HISTORY

Very little is known of the original history of the property other than it was first discovered around 1885 by the old-timers who shipped silver on oxen-carts and mule trains to the Colorado River some 50 miles beyond. The property was again exploited during the Second World War and an estimated 15,000 tons were mined at a present day value of \$650,000.00 in silver, lead and copper. Due to the depression of silver in the early 1950's the mine ceased operations.

The Wright claims were acquired by location in 1968 by

Mr. Floyd Wright, whom is a former mine superintendent from the Moab area, Utah.

CLIMATE

Southwestern Arizona, southeastern California and northwestern Sonora constitute one of North America's most pronounced deserts, where the climate is characterized by intense heat in summer and sharp chill in winter, and long periods of aridity separated by violent storms. Very little snow falls in this region. Each fall of rain here is an episode, but annual and mean rainfalls show in a marked way the complex influences of geographic features.

This area experiences an extreme of temperatures ranging from 10° to 100° F. The evaporation rate is considered to be 92 inches per year while annual rainfall (which is impossible to determine precisely) is in the range of 3 to 12 inches per year.

FAUNA

Many species of animals live in this region, but generally the individuals of each species are not abundant. Coyote, fox, rhodents, rattlesnakes, lizards, scorpions and tarantulas are noticeable. Mountain sheep and deer would thrive in the roughest of mountains but at present they are facing extermination by lawless hunters.

VEGETATION

The mountains, whose rocky surfaces have moist soil only in a few protected crevices, support very little vegetation, and from a distance appear as quite bare rock. Scattered sahuaro, cholla, creosote, ironwood, ocotillo and palo verde are present. In favourable sheltered spots, certain greases thrive, and in some of the ranges, the tall, slender desert milkweed, of interest because of its rubber content, is conspicuous. In certain mountain valleys an Indian wheat, Trigo, much relished by cattle, is abundant. The mountain canyons that contain shallow ground water, support cottonwood and sycamore trees along with the periodic wild palm.

"Relation of vegetation to ground water" as stated by Meinzer, "Perhaps the most outstanding feature of the flora of the desert is its relation or lack of relation to the water table. On the one hand are the plants which are adapted to extreme economy of water On the other hand are plants that habitually grow where they can send their roots down to the water table." Therefore, according to Bryan, plants are the best indicators of ground water if they are living under the stress of being near their natural environmental limits. (Meinzer uses the term "ground water" to designate the water in the zone of saturation, or the zone below the water table.) Thus, since we have the suitable vegetation we can assume that the zone of saturation is relatively close to surface, and therefore the amount of water necessary for mining operations is readily available.

TOPOGRAPHY

This region consists of great plains, ridged with abrupt, sharply eroded mountains. Several mountain ranges exist in this area, and have a general strike of either northward or slightly northeastward. They are from eight to 49 miles in length and from less than one to 20 miles in width. Most of the peaks are less than 3,500 ft., but the highest are in the average of 6,000 ft. As a rule no transitional zone exists between the plains and the mountains most of which slope from 25 to 45°. The Wright group of claims are located in the Hualapai Mountains which run from 3,000 to 5,500 ft. above sea level. Mr. Wright's property is based at an elevation of 4,350 ft.

REGIONAL GEOLOGY

Primarily the geology of this area is middle tertiary to lower tertiary and upper cretaceous while the Wright property is located along a major cretaceous thrust belt, which runs through central Arizona from the northwest to the southeast. This belt is known as the mountain region of the basin and range province in the physiography of Arizona.

Broadly considered, the physiographic provinces of Arizona are consequences of structure. In the basin and range province, the rocks have been more intensely deformed and occur as numerous relatively elevated and depressed blocks. This area appears to have been

established during miocene to early pliocene time and was accentuated or otherwise modified by later events of deformation, volcanism, erosion and sedimentation. The local formation with which we shall be dealing is that of the Laramide.

PROPERTY GEOLOGY

There are two adits on the property which are easily followed, #1 adit at level 4,355 striking at 015° , and running along the ore zone for a distance of 260 ft. #2 adit at level 4,400 follows the same strike and ore zone for an additional 140 ft. at which point a raise has collapsed and blocked farther passage. Some 50 ft. into #1 adit is a vertical winze which goes down a distance of 80 ft., however at elevation 4,315 or 40 ft. down into the winze the water table has settled. According to miners in the area this would not be a problem, but an asset to mining development.

A total of 720 ft. of underground workings on two levels with 45 ft. vertical separation, a winze and 3 raises were examined and sampled.

Both adits essentially follow the vertical structure of a 3 foot wide altered zone containing evenly distributed amounts of silver and light in copper and lead. The altered zone has a surface expression and has been traced on surface for a distance of 1,200 ft. by the writer.

Geology of the underground and respective surface area is essentially rhyolite - andesite and is characterized by easterly directed shatter tensional, and fracture systems with minor tuff and sandstone.

RECOMMENDATIONS

It is recommended that a 50 to 100 ton per day mill be purchased at a cost of 25 to 50,000 dollars and erected on the site of the old mill. A stock pile could be set up by mining initially the #1 adit for a period of 30 days while the mill is being assembled.

Cost of this project would be as follows:

Mill assembled on site	\$ 65,000.00
Equipment for mining	15,000.00
Transportation	5,000.00
Living facilities	8,500.00
Working capital	18,000.00
Engineering	9,500.00
Contingencies	<u>5,000.00</u>

Total: \$126,000.00

*Price quoted is based on a fully operational 125 T.P.D. mill.

CONCLUSIONS

Based upon extensive sampling and mapping
~~the~~ writer and numerous determinations by several
~~the~~ assay houses, it is concluded that the Wright
~~the~~ property in Southwestern Arizona should go into
~~the~~ ~~mine~~ immediately on a 50 to 100 T.P.D. basis.

Respectfully,



Alex H. Clark, Jr.

SUMMARY

Arithmetical mean average of all samples taken underground indicate silver at 28 ounces per ton overall, copper at 0.52%, lead at 84 lbs. Average value per ton being \$52.00 with a known strike length of 500 ft., a minimum depth of 200 ft. and a minimum width of 2.5 ft. would comprise 25,000 tons at \$1,300,000.00.

The width of the vein system being homogenous throughout gives reason to conclude that the present orebody is open for extension in length and depth to a distance of 1,200 ft. by a minimum 1,000 ft.

Notice of Mining Location
LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Blue Bird #1 Mining Claim, situate on land belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of discovery and purchase by F. M. Hatcher & R. T. Hatcher J. S. Carls

the undersigned, on the 10 day of March, 1969

The length of this claim is 1500 feet and EW claim 1480 feet in a Westward direction and 20 feet in a Westward direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim together with 600 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the East to the West.

The claim is situated and located in the Cedar Mining District, in Michaux county, in the State of Arizona, about 5 miles in a North West direction from Old Cedar mine.

The surface boundaries of the claim are marked upon the ground as follows:
Beginning at discovery shaft which is on center line at a point in a West direction 20 feet from the discovery shaft (at which this notice is posted), being in the center of the West end line of said claim; thence 300 South feet to a Mon corner of said claim; thence 1500 East feet to a Mon corner of said claim; thence 1500 N feet to a Mon corner of said claim; thence 300 East feet to a Mon corner of said claim; thence 1500 N feet to a Mon corner of said claim; thence 300 S feet to the place of beginning.

Dated and posted on the ground this 10 day of March, 1969

Witness

Locator(s)

STATE OF ARIZONA
COUNTY OF Michaux
I hereby certify that the within instrument was filed and recorded at request of P. J. Hatcher

Witness my hand and official seal the day and year aforesaid.

P. M. B. Smith
County Recorder

By P. M. B. Smith
Deputy Recorder

on March 13, 1969 at 200
1003 A.M. Book 700

PAGE 127

57375

2530 Standard
Argonaut, Ariz

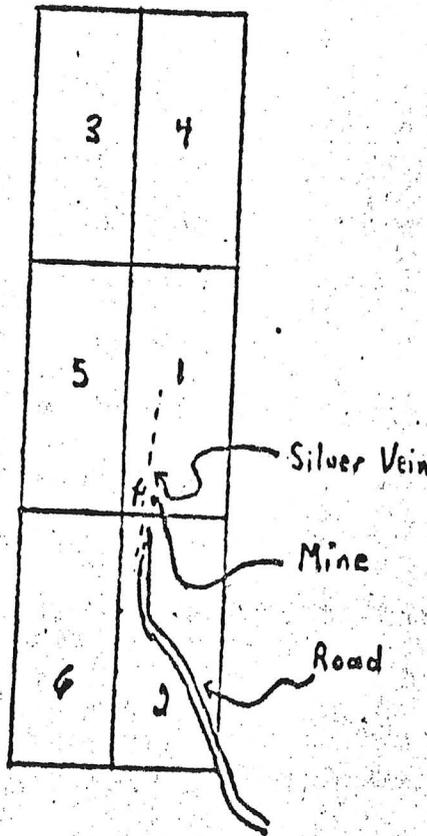
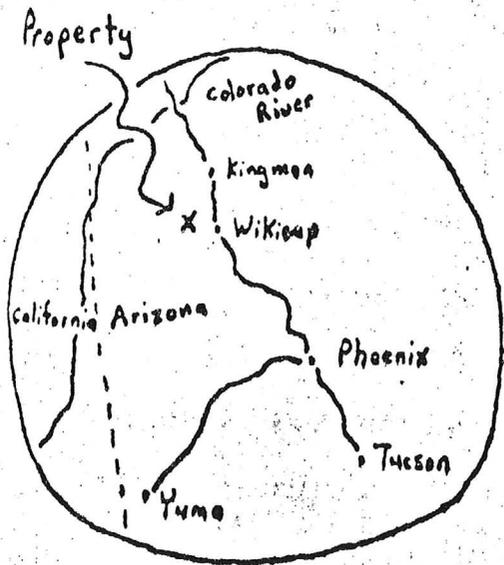
Indexed | Printed | Serial
INDEXED | Prepared | Serial

CLAIMS

FLOYD WRIGHT AND SONS

	<u>Record No.</u>	<u>Date Recorded</u>
# 1	57475	March 10/69
# 2	57476	March 10/69
# 3	57477	March 10/69
# 4	57478	March 10/69
# 5	57479	March 10/69
# 6	57480	March 10/69

Map of Claims

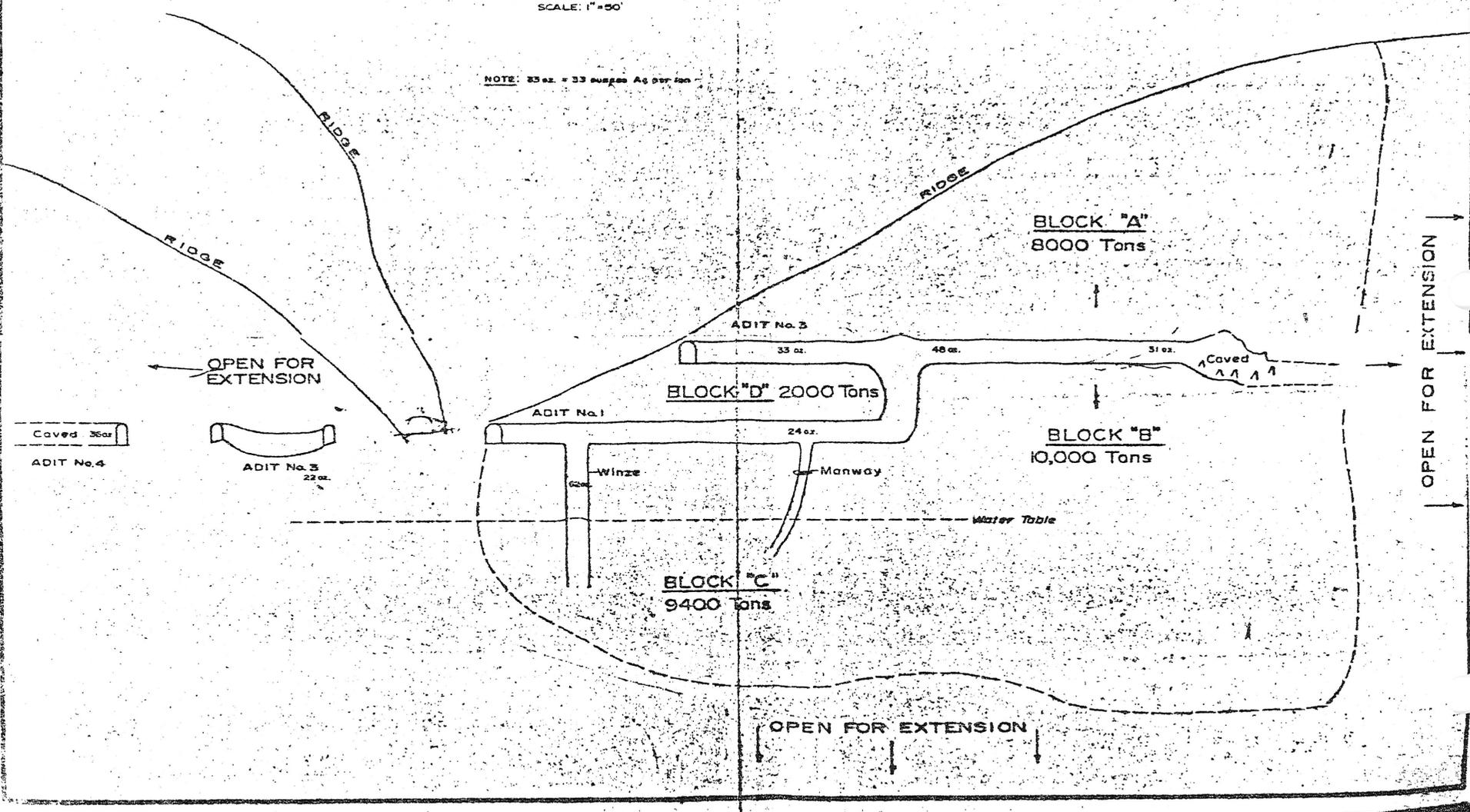


1" = 1500'

WRIGHT SILVER CLAIMS
CLAIM No. 1
PROFILE OF UNDERGROUND WORKINGS
WIKIEUP, ARIZONA
SCALE: 1" = 50'



NOTE: 25 oz. = 33 ounces Ag per ton



OPEN FOR EXTENSION

OPEN FOR EXTENSION

OPEN FOR EXTENSION

Caved 36oz.
ADIT No. 4

ADIT No. 3
22 oz.

BLOCK "D" 2000 Tons

BLOCK "A"
8000 Tons

BLOCK "B"
10,000 Tons

BLOCK "C"
9400 Tons

Winze

Manway

Water Table

ADIT No. 1

ADIT No. 3

Caved

May 27, 1957

ESPERANZA MINE

MOHAVE COUNTY
CEDAR VALLEY DIST.

This property idle.

MARK GEMMILL

ESPERANZA

Ag, Pb, Au

Mohave 8 - 12 T 17 N, R 15 $\frac{1}{2}$ W

Ed Hansen, Box 1121, Kingman

'43

G. Walker:

Mr. Ware was in the office 7-25-73 & said he and his partner now have this mine. He also says the description of the property in our file is in error. There is no 15 $\frac{1}{2}$ Range and he doesn't think it is in sec. 25 either. May give us the correct description next time he is in if he can find the section corners.

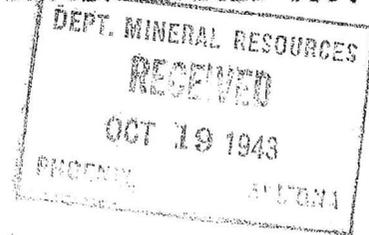
1p

Also 23. 17N-15W 8-12-15W 8-12-15W

ME 25
OWNER'S REPORT

Date October 18, 1943

1. MINE--Esperanza
2. LOCATION--Twenty-five miles southeast of Yucca and fifty miles from Kingman, Section 25, township 17 North, range, 15 1/2 West.
3. MINING DISTRICT & COUNTY--Cedar Valley Mining District, Mohave County.
4. FORMER NAMES--Coronado, Storm Cloud, Bigstick, Little Diamond Joe.
5. OWNER--Ed Hansman, Kingman, Box 1181
7. OPERATOR--No operator Address-- None
8. President Owning Co.--None
9. PRESIDENT, OPERATING COMPANY-- None
10. GENERAL MANAGER--NONE
11. MINE SUPT.--None
12. MILL SUPT.--None
13. MEN EMPLOYED--None
14. PRINCIPAL MINERALS--Main ledge: silver, lead, gold.--Secondary Ledge: silver, zinc, and gold
15. PRODUCTION RATE--None at the present time
16. MILL: TYPE AND CAP--No mill
17. POWER: AMT AND TYPE--No power
19. OPERATIONS PLANNED--If Mr. Hansman cannot sell or lease the property in the near future, he intends to do some more development work.
20. NUMBER CLAIMS, TITLE, ETC. --There are two full sized adjacent, unpatented claims running east and west, Esperanza #1 and Esperanza #2.
21. DESCRIPTION: TOPOGRAPHY AND GEOGRAPHY-- The main tunnel is about 5500 ft. elevation above sea level. The land is rugged. The claims are in the Hualapai range and about two miles from Berkley peak. They are about a mile due north of the Delage wash.
22. MINE WORKINGS: AMT & CONDITION--There are about 1400 feet of tunnels and crosscuts. There are three tunnels in the main ledge. The longest tunnel has three cross cuts. There are also six cross cuts in the secondary ledge and two outside cross cuts in the main ledge. The cross-cuts run from ten to eighty feet in length. There is one fifty ton ore bin.



23. GEOLOGY AND MINERALIZATION--The hanging wall is a white porphery and the foot wall is a red biotite granite that shades into a monzonite. In the near vicinity there is diorite, diabase, and green schist. The main and secondary ledges are both true fissure veins. There are about twenty feeder veins. The main values are in carbonates that go into sulphides in depth.
24. ORE: POSITIVE AND PROBABLY, ORE DUMPS, TAILINGS--The ore is not blocked out but there are at least six carloads of shipping ore in sight. There is one carload of \$45.00 ore on the dump. The main body of ore is in the sulphide zone below the main tunnel. The ore that has been shipped yielded from \$28.00 per ton and up.
- 24A. DIMENSIONS AND VALUE OF ORE BODY--The main ledge is about fifteen ft. wide in the long tunnel. The ore is in lenses from six inches to twelve feet wide. The secondary ledge is 40-45 feet north of the main ledge and is six feet wide in cross cut about twenty five feet below the surface.
25. MINE, MILL EQUIPMENT AND FLOW-SHEET--There is no equipment on the place except some air lines.
26. ROAD CONDITIONS, ROUTE--There was a graded road constructed in 1938 from Yucca to the camp. The road is badly washed at the present time but is still passable. From Yucca you go nine and one-half miles on the Borianna Road, then turn to the right and go twelve miles on the Cedar Mine Road to the Berkley Mine when you turn due east and go three and one-half miles to the Esperanza.
27. WATER SUPPLY--There is plenty of good domestic water in near by springs and water in mine for a mill.
28. BRIEF HISTORY--It was first located in 1881 by John Nolle and Podoci Padilla. Numerous others located and worked it from then until 1916 when Mr. Hansman acquired a half interest and later acquired the other half. In 1890-95 the Mexicans shipped several carloads of ~~this~~ rich ore from a cross stringer. In 1902-03 there was a small tonnage of ore sent out that went 370 ounces in silver, \$104 in gold and 40% in lead. This was from the main ledge. In 1916 Mr. Hansman shipped seven tons that also went 370 ounces in silver, ~~\$104~~ and \$104 Dollars in Gold. In 1938 Farley, Conger, and Holland shipped 104 tons that went \$28.00 per ton in lead and silver and gold.
29. SPECIAL PROBLEMS, REPORT FILED--There are no special problems.
30. REMARKS--The owner thinks that a man should have from fifteen to twenty thousand dollars to sink a shaft along side the main vein from the lower tunnel level down at least two hundred feet. Then cross cut and drift under the ledge. This will drain off the water and block out a big body of good shipping ore. There is enough ore in sight to pay for this work.

8-9

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

(Do not write
in this space)

(Wrap each specimen separately, or place it in a substantial
bag, by itself, with a number attached, identical with the
number on this card.)

Ore _____

Cabinet _____

No. _____

Specimen No. 35, collected by Robert E. Morrow
Field Engineer

Name of ore Silver Bromide Operator _____

Minerals contained _____ Mine active or inactive Active

Gangue _____ If inactive, when operated _____
Specimen presented by Y. D. Hansman

Depth at which taken 100 ft Date Sept 4, 1940

Approximate mineral content (in terms of
average per ton) #70 per Ton Notes (Any general information regarding
the history of the property.) _____

Name of mine or claim Esperanza _____

Group _____

District Cedar Dist _____

Location (distance and direction by high-
way from what town) 50 Mi. South of _____

Owner of property Kingman If more space is desired for notes, use
other side.

Y. D. Hansman

SPECIMEN S-9

Cabinet Presented by Y. D. Hansman
 Section Collected by Robert E. Morrow
 Shelf Date received November, 1940

Class (principal mineral) Silver (bromide) Name of mine or claim Esperanza
 Other minerals Group
 District Cedar
 Gangue County Mohave
 Depth at which specimen taken 100 ft. Location (distance and direction by highway
 from what town) 50 miles south of Kingman
 Approximate mineral content (in terms of
 average per ton)
 Quantity Value \$ Mine active or inactive
 70.00 per ton. If inactive, when operated
 Owner
 Operator

Notes:

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

September 26, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Esperanza (Mohave County) silver lead gold zinc
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

October 18, 1943

6

1. MINE: Esperanza
2. LOCATION: Twenty-five miles southeast of Yucca and fifty miles from Kingman, Section 25, township 17 North, range, 15 1/2 West.
3. MINING DISTRICT & COUNTY: Cedar Valley Mining District, Mohave County.
4. FORMER NAMES: Coronado, Storm Cloud, Bigstick, Little Diamond Joe.
5. OWNER: ✓ Ed Hansman, Kingman, Box 1121
7. OPERATOR: No operator Address: None
8. PRESIDENT OWNING COMPANY: None
9. PRESIDENT OPERATING COMPANY: None
10. GENERAL MANAGER: None
11. MINE SUPERINTENDENT: None
12. MILL SUPERINTENDENT: None
13. MEN EMPLOYED: None
14. PRINCIPAL MINERALS: Main ledge: Silver Lead Gold
Secondary ledge: Silver Zinc and Gold
15. PRODUCTION RATE: None at the present time
16. MILL, TYPE AND CAPACITY: No Mill
17. POWER, AMOUNT AND TYPE: No Power
18. OPERATIONS PLANNED: If Mr. Hansman cannot sell or lease the property in the near future, he intends to do some more development work.
20. NUMBER CLAIMS, TITLE, ETC.: There are two full sized adjacent, unpatented claims running east and west, Esperanza No. 1 and Esperanza No. 2.
21. DESCRIPTION: TOPOGRAPHY AND GEOGRAPHY: The main tunnel is about 5500 ft. elevation above sea level. The land is rugged. The claims are in the Hualapai range and about two miles from Berkley Peak. They are about a mile due north of the Deluge Wash.
BURCH Burch?
22. MINE WORKINGS, AMOUNT AND CONDITION: There are about 1400 feet of tunnels and crosscuts. There are three tunnels in the main ledge. The longest tunnel has three cross cuts. There are also six cross cuts in the secondary ledge and two outside cross cuts in the main ledge. The cross cuts run from ten to eighty feet in length. There is one 50-ton ore bin.

23. GEOLOGY AND MINERALIZATION: The hanging wall is a white porphyry and the foot wall is a red biotite granite that shades into a monzonite. In the near vicinity there is diorite, diabase, and green schist. The main and secondary ledges are both true fissure veins. There are about twenty feeder veins. The main values are in carbonates that go into sulphides in depth.
24. ORE, POSITIVE AND PROBABLY, ORE DUMPS, TAILINGS: The ore is not blocked out but there are at least six carloads of shipping ore in sight. There is one carload of \$45.00 ore on the dump. The main body of ore is in the sulphide zone below the main tunnel. The ore that has been shipped yielded from \$28.00 per ton and up.
- 24A. DIMENSIONS AND VALUE OF ORE BODY: The main ledge is about fifteen feet wide in the long tunnel. The ore is in lenses from six inches to twelve feet wide. The secondary ledge is 40-45 feet north of the main ledge and is six feet wide in cross cut about twenty-five feet below the surface.
25. MINE, MILL EQUIPMENT AND FLOW SHEET: There is no equipment on the place except some air lines.
26. ROAD CONDITIONS, ROUTE: There was a graded road constructed in 1938 from Yucca to the camp. The road is badly washed at the present time but is still passable. From Yucca you go nine and one-half miles on the Borianna Road, then turn to the right and go twelve miles on the Cedar Mine Road to the Berkley Mine when you turn due east and go three and one-half miles to the Esperanza.
27. WATER SUPPLY: There is plenty of good domestic water in nearby springs and water in mine for a mill.
28. BRIEF HISTORY: It was first located in 1881 by John Nolle and Podoci Padilla. Numerous other located and worked it from then until 1916 when Mr. Hansman acquired a half interest and later acquired the other half. In 1890-95 the Mexicans shipped several carloads of rich ore from a cross stringer. In 1902-03 there was a small tonnage of ore sent out that went 370 ounces in silver, \$104 in gold and 40% in lead. This was from the main ledge. In 1916 Mr. Hansman shipped seven tons that also went 370 ounces in silver, and \$104 in gold. In 1938, Farley Conger and Holland shipped 104 tons that went \$28.00 per ton in lead and silver and gold.
29. SPECIAL PROBLEMS, REPORTS FILED: There are no special problems.
30. REMARKS: The owner thinks that a man should have from fifteen to twenty thousand dollars to sink a shaft along side the main vein from the lower tunnel level down at least two hundred feet. Then cross cut and drift under the ledge. This will drain off the water and block out a big body of good shipping ore. There is enough ore in sight to pay for this work.

31. IF PROPERTY FOR SALE, PRICE, TERMS AND ADDRESS TO NEGOTIATE: The owner wants thirty thousand dollars on a three year bond and lease. Five hundred down, one hundred and fifty per month and ten per cent gross royalty. The bond and lease to be nontransferrable except at the owners consent.

32. SIGNATURE _____
/s/ Ed Hansman

The small stope at the entrance of the main tunnel is about 16' x 12' x 4'. On this stope there is a fourteen inch vein that goes 370 ounces in silver and \$104 in gold. There is also a two and a half foot vein that goes 40% in lead and sixty ounces in silver.

Ninety feet in from the mouth of the main tunnel there is a five foot winz that shows five feet of ore that goes \$85 per ton in silver, lead, and gold.

The main vein can be traced for seven miles to the east and one and a half miles to the west of the Esperanza claims.

31. IF PROPERTY FOR SALE: PRICE, TERMS AND ADDRESS TO NEGOTIATE--The owner wants thirty thousand dollars on a three year bond and lease. Five hundred down, one hundred and fifty per month and ten per cent gross royalty. The bond and lease to be non-transferable except at the owners consent.

32. SIGNATURE J. H. Hanson

The small stop at the entrance of the main tunnel is about 16' x 12' x 4'. on this stop there is a fourteen inch vein that goes 370 ounces in silver and \$104 in gold. There is also a two and a half foot vein that goes 40% in lead and sixty ounces in silver.

Ninety feet in from the mouth of main tunnel there is a five foot wing that shows five feet of ore that goes \$85 per ton in silver, lead and gold.

The main vein can be traced for seven miles to the east and one and a half miles to the west of the Esperanza claims.

Visited Archie Hatch who said he has the Esperanza and Silverado mines dba Silverado Mining Corp., 519 Alma, Kingman. They plan a small drilling program.

Went to Wikieup when it was discovered the gravity mill built 3 years ago by a Mr. Elliot was gone. "Dusty" Denton said he thought Mr. Hatch, Kingman, had moved it to his Esperanza mine near Cedar. GW WR 8/26/74

I drove to through the Hualapai Mountain mining districts and found some activity (dozer and compressor) about 6 miles west from Highway 93, milepost 116, about one mile southeast from the Leviathan mine, which is idle. Presumably, this operation is by Hatch Mining Company, 512 Alma, Kingman, 86401. Hatch has constructed a small mill on Deluge Wash in Section 35, T17N R15W. Hatch has the Esperanza mine, now called Bluebird. VBD WR 8/21/76

Minerology of Arizona p. 15-16

~~DUSTY DENTON~~ ~~ARCHIE HATCH~~

Esperanza
Mine (file)

A GEOLOGICAL REPORT

ON THE

"WRIGHT" GROUP OF MINING CLAIMS

LATITUDE 34°45' NORTH, LONGITUDE 113°40' WEST

FOR

FLOYD M. WRIGHT AND SONS

WIKIEUP, ARIZONA

BY

ALEX H. CLARK, Jr.

APRIL 15, 1971.

INTRODUCTION

From January 21, 1971, to February 5, 1971, a 3 man team of field personnel headed by the writer carried out a geological, surface sampling, underground sampling and intense prospecting program on the "WRIGHT" group of mining claims owned by Mr. F.M. Wright and located in the CEDAR Mining area, Wikieup, Arizona. The period of field work represents 16 man days, while map and office interpretation represent 9 man days. The purpose of the program was to evaluate the economic potential of the property.

GENERAL

The "WRIGHT" group of claims is situated in one of the most active areas of mineral exploration in the state of Arizona. The property is located some 130 miles northwest of Phoenix, Arizona, or 16 miles northwest of Wikieup, Arizona, in the Hualapai Mountains. This region has a number of proven silver-copper-lead deposits, of which to date over 100 such occurrences have been located, including the famous Bagdad Mine.

The property is comprised of 6 Arizona claims which measure 1,500' by 600' each.

LOCATION AND ACCESS

The group is located some 16 miles northwest from Wikieup, Arizona near Pine Peak. Coordinates of the property are 34 degrees 45 minutes North Latitude and 113 degrees 40 minutes West Longitude. Usual access is by an old mine road to the site from Wikeup which is a distance of 16 miles. This road was originally constructed by miners in the early part of the century to service the mines which were in operation at the time.

Mr. Wright has rehabilitated the road in the past year and thus it is easily travelled by motorvehicle. Alternate access is by helicopter from Phoenix. A 3,000 foot airstrip composed of good gravel is located at Wikieup near the home of Mr. Wright.

HISTORY

Very little is known of the original history of the property other than it was first discovered around 1885 by the old-timers who shipped silver on oxen-carts and mule trains to the Colorado River some 50 miles beyond. The property was again exploited during the Second World War and an estimated 15,000 tons were mined at a present day value of \$650,000.00 in silver, lead and copper. Due to the depression of silver in the early 1950's the mine ceased operations.

The Wright claims were acquired by location in 1968 by

Mr. Floyd Wright, whom is a former mine superintendent from the Moab area, Utah.

CLIMATE

Southwestern Arizona, southeastern California and northwestern Sonora constitute one of North America's most pronounced deserts, where the climate is characterized by intense heat in summer and sharp chill in winter, and long periods of aridity separated by violent storms. Very little snow falls in this region. Each fall of rain here is an episode, but annual and mean rainfalls show in a marked way the complex influences of geographic features.

This area experiences an extreme of temperatures ranging from 10° to 100° F. The evaporation rate is considered to be 92 inches per year while annual rainfall (which is impossible to determine precisely) is in the range of 3 to 12 inches per year.

FAUNA

Many species of animals live in this region, but generally the individuals of each species are not abundant. Coyote, fox, rhodents, rattlesnakes, lizards, scorpions and tarantulas are noticeable. Mountain sheep and deer would thrive in the roughest of mountains but at present they are facing extermination by lawless hunters.

VEGETATION

The mountains, whose rocky surfaces have moist soil only in a few protected crevices, support very little vegetation, and from a distance appear as quite bare rock. Scattered sahuaro, cholla, creosote, ironwood, ocotillo and palo verde are present. In favourable sheltered spots, certain greases thrive, and in some of the ranges, the tall, slender desert milkweed, of interest because of its rubber content, is conspicuous. In certain mountain valleys an Indian wheat, Trigo, much relished by cattle, is abundant. The mountain canyons that contain shallow ground water, support cottonwood and sycamore trees along with the periodic wild palm.

"Relation of vegetation to ground water" as stated by Meinzer, "Perhaps the most outstanding feature of the flora of the desert is its relation or lack of relation to the water table. On the one hand are the plants which are adapted to extreme economy of water On the other hand are plants that habitually grow where they can send their roots down to the water table." Therefore, according to Bryan, plants are the best indicators of ground water if they are living under the stress of being near their natural environmental limits. (Meinzer uses the term "ground water" to designate the water in the zone of saturation, or the zone below the water table.) Thus, since we have the suitable vegetation we can assume that the zone of saturation is relatively close to surface, and therefore the amount of water necessary for mining operations is readily available.

TOPOGRAPHY

This region consists of great plains, ridged with abrupt, sharply eroded mountains. Several mountain ranges exist in this area, and have a general strike of either northward or slightly northeastward. They are from eight to 49 miles in length and from less than one to 20 miles in width. Most of the peaks are less than 3,500 ft., but the highest are in the average of 6,000 ft. As a rule no transitional zone exists between the plains and the mountains most of which slope from 25 to 45°. The Wright group of claims are located in the Hualapai Mountains which run from 3,000 to 5,500 ft. above sea level. Mr. Wright's property is based at an elevation of 4,350 ft.

REGIONAL GEOLOGY

Primarily the geology of this area is middle tertiary to lower tertiary and upper cretaceous while the Wright property is located along a major cretaceous thrust belt, which runs through central Arizona from the northwest to the southeast. This belt is known as the mountain region of the basin and range province in the physiography of Arizona.

Broadly considered, the physiographic provinces of Arizona are consequences of structure. In the basin and range province, the rocks have been more intensely deformed and occur as numerous relatively elevated and depressed blocks. This area appears to have been

established during miocene to early pliocene time and was accentuated or otherwise modified by later events of deformation, volcanism, erosion and sedimentation. The local formation with which we shall be dealing is that of the Laramide.

PROPERTY GEOLOGY

There are two adits on the property which are easily followed, #1 adit at level 4,355 striking at 015°, and running along the ore zone for a distance of 260 ft. #2 adit at level 4,400 follows the same strike and ore zone for an additional 140 ft. at which point a raise has collapsed and blocked farther passage. Some 50 ft. into #1 adit is a vertical winze which goes down a distance of 80 ft., however at elevation 4,315 or 40 ft. down into the winze the water table has settled. According to miners in the area this would not be a problem, but an asset to mining development.

A total of 720 ft. of underground workings on two levels with 45 ft. vertical separation, a winze and 3 raises were examined and sampled.

Both adits essentially follow the vertical structure of a 3 foot wide altered zone containing evenly distributed amounts of silver and light in copper and lead. The altered zone has a surface expression and has been traced on surface for a distance of 1,200 ft. by the writer.

Geology of the underground and respective surface area is essentially rhyolite - andesite and is characterized by easterly directed shatter tensional, and fracture systems with minor tuff and sandstone.

RECOMMENDATIONS

It is recommended that a 50 to 100 ton per day mill be purchased at a cost of 25 to 50,000 dollars and erected on the site of the old mill. A stock pile could be set up by mining initially the #1 adit for a period of 30 days while the mill is being assembled.

Cost of this project would be as follows:

Mill assembled on site	\$ 65,000.00
Equipment for mining	15,000.00
Transportation	5,000.00
Living facilities	8,500.00
Working capital	18,000.00
Engineering	9,500.00
Contingencies	<u>5,000.00</u>

Total: \$126,000.00

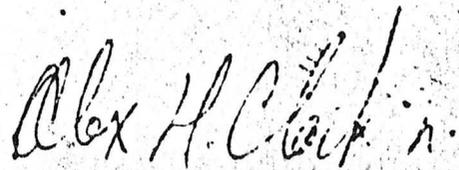
*Price quoted is based on a fully operational 125 T.P.D.

mill.

CONCLUSIONS

Based upon extensive sampling and mapping
~~the~~ writer and numerous determinations by several
~~the~~ assay houses, it is concluded that the Wright
~~the~~ property in Southwestern Arizona should go into
~~the~~ ~~mine~~ immediately on a 50 to 100 T.P.D. basis.

Respectfully,



Alex H. Clark, Jr.

SUMMARY

Arithmetical mean average of all samples taken underground indicate silver at 28 ounces per ton overall, copper at 0.52%, lead at 84 lbs. Average value per ton being \$52.00 with a known strike length of 500 ft., a minimum depth of 200 ft. and a minimum width of 2.5 ft. would comprise 25,000 tons at \$1,300,000.00.

The width of the vein system being homogenous throughout gives reason to conclude that the present orebody is open for extension in length and depth to a distance of 1,200 ft. by a minimum 1,000 ft.

Notice of Mining Location
LODE CLAIM

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of which is the Blue Bird #1 Mining Claim, situate on land belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by J. M. St. Clair & R. T. Hatch

the undersigned, on the 10 day of March, 1969

The length of this claim is 1500 feet and EW claim 1460 feet in a Easterly direction and 20 feet in a Westerly direction from the center of the discovery shaft, at which this notice is posted, lengthwise of the claim together with 600 feet in width of the surface grounds, on each side of the center of said claim. The general course of the lode deposit and premises is from the East to the West.

The claim is situated and located in the Cedar Mining District, in Mohave county, in the State of Arizona, about 5 miles in a North West direction from Old Cedar mine.

The surface boundaries of the claim are marked upon the ground as follows:

Beginning at discovery shaft which is on center line at a point in a West direction 20 feet from the discovery shaft (at which this notice is posted), being in the center of the West end line of said claim; thence 500 South being the S. West corner of said claim; thence 1500 East being at the S. E. corner of said claim; thence N 500 ft. at the center of the East end of this claim; thence 300 feet to a mon. being at the N. E. corner of said claim; thence 1500 feet to a mon. at the West corner of said claim; thence 300 S feet to the place of beginning.

Dated and posted on the ground this 10 day of March, 1969
J. M. St. Clair
R. T. Hatch
Witness

STATE OF ARIZONA
COUNTY OF Mohave
I hereby certify that the within instrument was filed and recorded at request of R. T. Hatch

Witness my hand and official seal the day and year aforesaid.
P. M. B. Smith
County Recorder
By P. M. B. Smith
Deputy Recorder

on March 18, 1969 at 200
10130621 Book 700
6-0 of MINES

Page 127
57-275 Hogman, Ariz

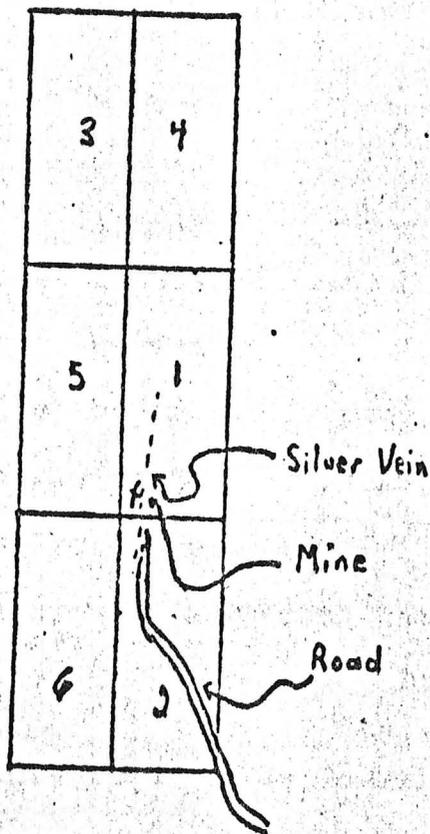
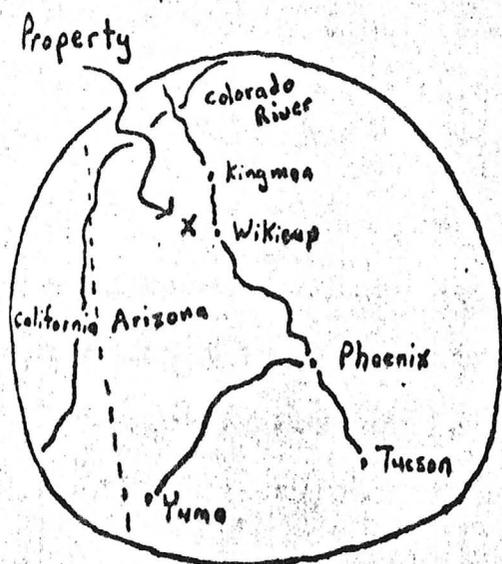
INDEXED
RECORDED

CLAIMS

FLOYD WRIGHT AND SONS

	<u>Record No.</u>	<u>Date Recorded</u>
# 1	57475	March 10/69
# 2	57476	March 10/69
# 3	57477	March 10/69
# 4	57478	March 10/69
# 5	57479	March 10/69
# 6	57480	March 10/69

Map of Claims

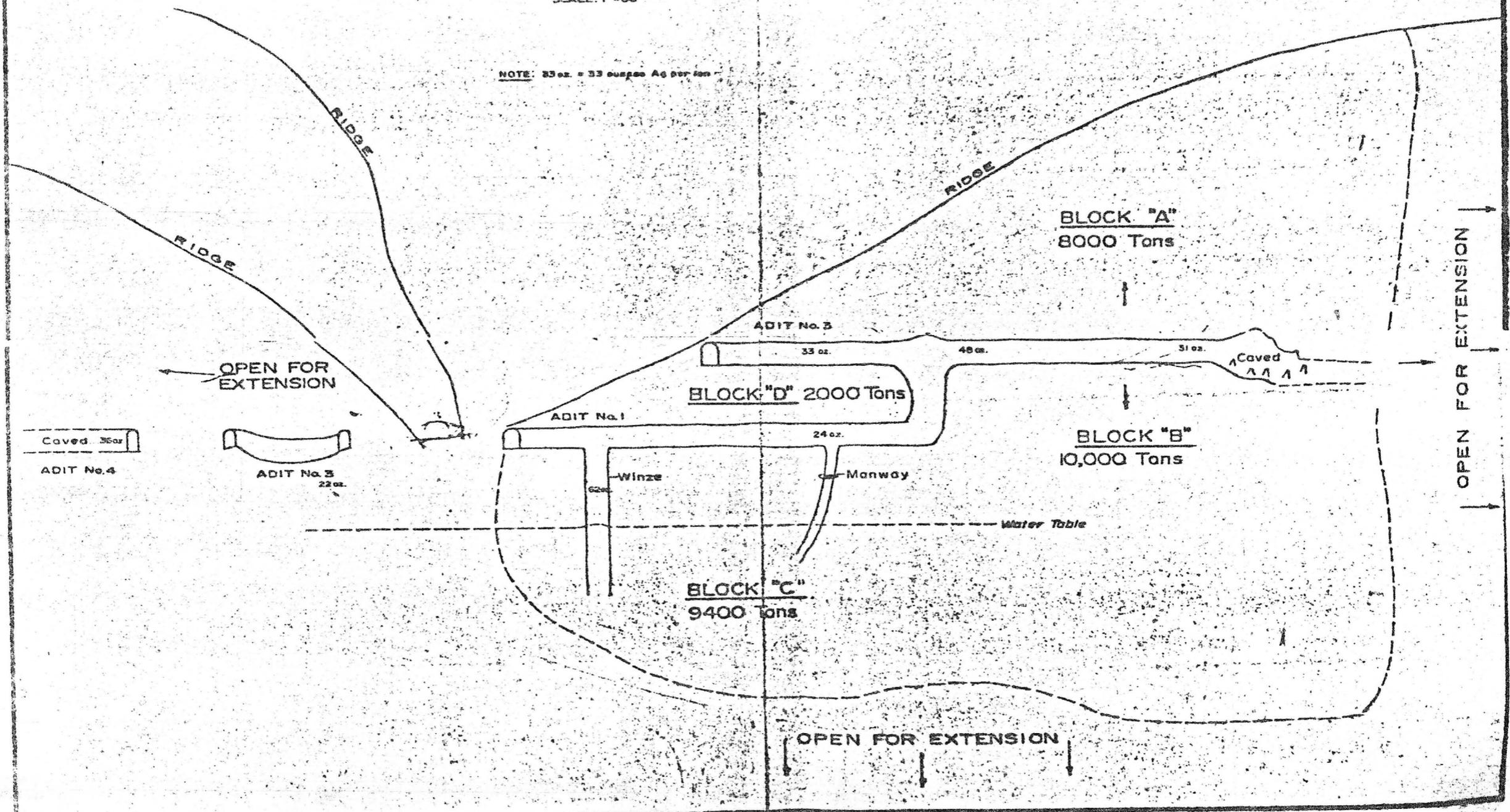


1" = 1500'

WRIGHT SILVER CLAIMS
 CLAIM No. 1
 PROFILE OF UNDERGROUND WORKINGS
 WIKIEUP, ARIZONA
 SCALE: 1" = 50'



NOTE: 35 oz. = 33 ounces Ag per ton



G. Walker:

Mr. Ware was in the office 7-25-73 & said he and his partner now have this mine. He also says the description of the property in our file is in error. There is no 15½ Range and he doesn't think it is in sec. 25 either. May give us the correct description next time he is in if he can find the section corners.

1p

Sec 25, 17N-15W (± 1 mi W. of Leveath?)

May 27, 1957

ESPERANZA MINE

MOHAVE COUNTY
CEDAR VALLEY DIST.

This property idle.

MARK GEMMILL

ESPERANZA

Ag, Pb, Au

Mohave

8 - 12

T 17 N, R 15 $\frac{1}{2}$ W

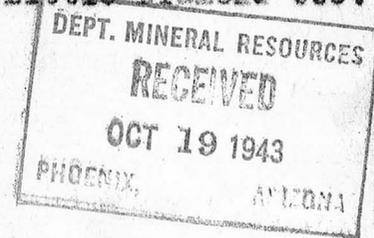
Ed Hansen, Box 1121, Kingman

'43

ME-25
MINERALS OWNER'S REPORT

Date -- October 18, 1943

1. MINE--Esperanza
2. LOCATION--Twenty-five miles southeast of Yucca and fifty miles from Kingman, Section 25, township 17 North, range, 15 1/2 West.
3. MINING DISTRICT & COUNTY--Cedar Valley Mining District, Mohave County.
4. FORMER NAMES--Coronado, Storm Cloud, Bigstick, Little Diamond Joe.
5. OWNER--Ed Hansman, Kingman, Box 1121
7. OPERATOR--No operator Address-- None
8. President Owning Co.--None
9. PRESIDENT, OPERATING COMPANY-- None
10. GENERAL MANAGER--NONE
11. MINE SUPT.--None
12. MILL SUPT.--None
13. MEN EMPLOYED--None
14. PRINCIPAL MINERALS--Main ledge: silver, lead, gold.--Secondary Ledge: silver, zinc, and gold
15. PRODUCTION RATE--None at the present time
16. MILL: TYPE AND CAP.--No Mill
17. POWER: AMT AND TYPE--No power
19. OPERATIONS PLANNED--If Mr. Hansman cannot sell or lease the property in the near future, he intends to do some more development work.
20. NUMBER CLAIMS, TITLE, ETC. --There are two full sized adjacent, unpatented claims running east and west, Esperanza #1 and Esperanza #2.
21. DESCRIPTION: TOPOGRAPHY AND GEOGRAPHY-- The main tunnel is about 5500 ft. elevation above sea level. The land is rugged. The claims are in the Huachapai range and about two miles from Berkley peak. They are about a mile due north of the Delage wash.
22. MINE WORKINGS: AMT & CONDITION--There are about 1400 feet of tunnels and crosscuts. There are three tunnels in the main ledge. The longest tunnel has three cross cuts. There are also six cross cuts in the secondary ledge and two outside cross cuts in the main ledge. The cross-cuts run from ten to eighty feet in length. There is one fifty ton ore bin.



23. GEOLOGY AND MINERALIZATION--The hanging wall is a white porphyry and the foot wall is a red biotite granite that shades into a monzonite. In the near vicinity there is diorite, diabase, and green schist. The main and secondary ledges are both true fissure veins. There are about twenty feeder veins. The main values are in carbonates that go into sulphides in depth.
24. ORE: POSITIVE AND PROBABLY, ORE DUMPS, TAILINGS--The ore is not blocked out but there are at least six carloads of shipping ore in sight. There is one carload of \$45.00 ore on the dump. The main body of ore is in the sulphide zone below the main tunnel. The ore that has been shipped yielded from \$28.00 per ton and up.
- 24A. DIMENSIONS AND VALUE OF ORE BODY--The main ledge is about fifteen ft. wide in the long tunnel. The ore is in lenses from six inches to twelve feet wide. The secondary ledge is 40-45 feet north of the main ledge and is six feet wide in cross cut about twenty five feet below the surface.
25. MINE, MILL EQUIPMENT AND FLOW-SHEET--There is no equipment on the place except some air lines.
26. ROAD CONDITIONS, ROUTE--There was a graded road constructed in 1938 from Yucca to the camp. The road is badly washed at the present time but is still passable. From Yucca you go nine and one-half miles on the Boriana Road, then turn to the right and go twelve miles on the Cedar Mine Road to the Berkley Mine when you turn due east and go three and one-half miles to the Esperanza.
27. WATER SUPPLY--There is plenty of good domestic water in near by springs and water in mine for a mill.
28. BRIEF HISTORY--It was first located in 1881 by John Nolle and Podoci Padilla. Numerous others located and worked it from then until 1916 when Mr. Hansman acquired a half interest and later acquired the other half. In 1890-95 the Mexicans shipped several carloads of ~~the~~ rich ore from a cross stringer. In 1902-03 there was a small tonnage of ore sent out that went 370 ounces in silver, \$104 in gold and 40% in lead. This was from the main ledge. In 1916 Mr. Hansman shipped seven tons that also went 370 ounces in silver, ~~454~~ and \$104 Dollars in Gold. In 1938 Farley, Conger, and Holland shipped 104 tons that went \$28.00 per ton in lead and silver and gold.
29. SPECIAL PROBLEMS, REPORT FILED--There are no special problems.
30. REMARKS--The owner thinks that a man should have from fifteen to twenty thousand dollars to sink a shaft along side the main vein from the lower tunnel level down at least two hundred feet. Then cross cut and drift under the ledge. This will drain off the water and block out a big body of good shipping ore. There is enough ore in sight to pay for this work.

MINERAL SPECIMEN FOR DEPARTMENT OF LIBRARY AND ARCHIVES

(Do not write in this space)

(Wrap each specimen separately, or place it in a substantial bag, by itself, with a number attached, identical with the number on this card.)

Ore _____

Cabinet _____

No. _____

Specimen No. 35, collected by Robert E. Morrow
Field Engineer

Name of ore Silver Bromide Operator _____

Minerals contained _____ Mine active or inactive Active

If inactive, when operated _____

Gangue _____ Specimen presented by Y. D. Hansman

Depth at which taken 100 ft. Date Sept 4, 1940

Approximate mineral content (in terms of average per ton) #70 per Ton. Notes (Any general information regarding the history of the property.) _____

Name of mine or claim Esperanza _____

Group _____

District Cedar Dist. _____

Location (distance and direction by highway from what town) 50 Mi. South of _____

Owner of property Kingman _____

If more space is desired for notes, use other side.

Mohave

SPECIMEN S-9

Cabinet

Presented by Y. D. Hansman

Section

Collected by Robert E. Morrow

Shelf

Date received November, 1940

Class (principal mineral) Silver (bromide)

Name of mine or claim Esperanza

Other minerals

Group

District Cedar

Lavage

County Mohave

Depth at which specimen taken 100 ft.

Location (distance and direction by highway
from what town) 50 miles south of KingmanApproximate mineral content (in terms of
average per ton)

Quantity

Value \$

Mine active or inactive

70.00 per ton.

If inactive, when operated

Owner

Operator

Notes:

4

NO

*** PAGE TWO ***

A brief history of this mine will be of interest. It was first located in 1881 by John Nolle and Podoci Padilla, both very successful Mexican miners, and prospectors. There was in the years following discovery sporadic shipments of rich ore. From 1890 to 1895 several carloads of rich ore was produced. In 1892 one small shipment was made which ran \$104.00 in gold, 370 oz. of silver, and 40% lead per ton. This is reported to have come from the main ledge. In 1916 when I secured the property I mined and shipped seven tons, also from the main ledge, and the returns per ton from my was if anything slightly higher than that mined in 1892.

In 1938 I optioned the Esperanza to Messrs Farley, Conger & Holland. This unfortunately for me turned out to be just another case of "mining the public instead of the ground". However they did build the two miles of connecting road I needed, moved in a small plant and did some drifting and crosscutting. From these small operations they did ship 104 tons of ore which ran \$28.00 per ton. The value of this shipment could easily have been doubled if care had been used in mining and handling to avoid dilution with waste. This was not done. With the exception of a 50 ton ore bin, some pipe and track, there is no equipment now.

Certified correct and signed by me--
Ed Hansman, Kingman, Ariz.

Signed

Ed Hansman Box 11

3

BRIEF DESCRIPTION OF THE ESPERANTA MINE

Essential data provided by the owner,
Mr. Ed. Hansman.

ND

- (1) This mine consisting of two locations, Esperanta No.1 and Esperanta No. 2, is located in Section 25, Twp 17 North, Range 15 $\frac{1}{2}$ West, in the Cedar Valley Mining District of Mohave County. The mine is 25 miles S. E. of Yucca, the nearest railway shipping point. The truck road connecting Yucca with the mine is a good average desert road except for the last two miles at the mine end, this section is in need of repairs to be passable.
- (2) The mine location is on the upper slope of the eastern side of the Hualapai range of mountains. Berkley Peak, one of the high points, is some two miles westerly. This is an area of intensive vulcanism, intruded by many long quartz and pegmatite veins and dykes--also basic sills and plugs and acid porphyry. Within a radius of less than a dozen miles from the Esperanta Mine, there was produced fifty years and more ago, more than a million dollars in gold and silver, from near surface prospecting and mining. Due to transportation difficulties--pack animals and wagons--only the richest ore could be shipped.
- (3) The geology at the Esperanta is very favorable to ore deposition at depth. The hanging wall of the main ledge is a quartz porphyry--the foot wall a red granite which shades to a monzanite. The main and secondary ledge are true fissures, and there are some 20 branching small veins and stringers, all carrying ore of variable value. The main ledge, upwards of fifteen feet wide, is developed by a tunnel over 300 feet long. The ore in this ledge is in lenses from six inches to ten feet wide. The No.2 vein is some 40 feet north of the main ledge. A crosscut from the tunnel on the main ledge shows a width of six feet some 25 feet below surface.
- (4) The total of underground work adds up to fully 1400 feet of tunnel, crosscut and raises. No shaft sinking has been done, for with the single exception of work done under the option given in 1938, all work has been hand labor--principally my own--as assessment work. A winze sunk a few feet below the floor of the main tunnel, entered the permanent water level and proved that the ore changed from surface carbonates to sulphides with continuing good values. Many carloads of ore in sight above the tunnel level, but a shaft will be needed for the proper development of this mine. The mine is not located on the steep side of a mountain where it could be developed by a series of long adits, but lies across a ridge of comparatively low altitude, hence the necessity of a shaft to develop ore above underground workings.
- (5) The mention above of "Ore in sight", is ore above the tunnels driven on the veins or ledges--to be mined by raise and stope. There is about one R. R. carload of \$45.00 ore on the dump. In 1936 a cloudburst washed away a carload of ore I had stockpiled at the mouth of the main tunnel for future shipment. This ore was sampled and assayed by two engineers and their reports showed an average above \$90.00 per ton in gold and silver.

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

September 26, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Esperanza (Mohave County) silver lead gold zinc
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

October 18, 1943

6

1. MINE: Esperanza
2. LOCATION: Twenty-five miles southeast of Yucca and fifty miles from Kingman, Section 25, township 17 North, range, 15 1/2 West.
3. MINING DISTRICT & COUNTY: Cedar Valley Mining District, Mohave County.
4. FORMER NAMES: Coronado, Storm Cloud, Bigstick, Little Diamond Joe.
5. OWNER: Ed Hansman, Kingman, Box 1121
7. OPERATOR: No operator Address: None
8. PRESIDENT OWNING COMPANY: None
9. PRESIDENT OPERATING COMPANY: None
10. GENERAL MANAGER: None
11. MINE SUPERINTENDENT: None
12. MILL SUPERINTENDENT: None
13. MEN EMPLOYED: None
14. PRINCIPAL MINERALS: Main ledge: Silver Lead Gold
Secondary ledge: Silver Zinc and Gold
15. PRODUCTION RATE: None at the present time
16. MILL, TYPE AND CAPACITY: No Mill
17. POWER, AMOUNT AND TYPE: No Power
18. OPERATIONS PLANNED: If Mr. Hansman cannot sell or lease the property in the near future, he intends to do some more development work.
20. NUMBER CLAIMS, TITLE, ETC.: There are two full sized adjacent, unpatented claims running east and west, Esperanza No. 1 and Esperanza No. 2.
21. DESCRIPTION: TOPOGRAPHY AND GEOGRAPHY: The main tunnel is about 5500 ft. elevation above sea level. The land is rugged. The claims are in the Hualapai range and about two miles from Berkley Peak. They are about a mile due north of the Deluge Wash.
BURCH Burch?
22. MINE WORKINGS, AMOUNT AND CONDITION: There are about 1400 feet of tunnels and crosscuts. There are three tunnels in the main ledge. The longest tunnel has three cross cuts. There are also six cross cuts in the secondary ledge and two outside cross cuts in the main ledge. The cross cuts run from ten to eighty feet in length. There is one 50-ton ore bin.

23. GEOLOGY AND MINERALIZATION: The hanging wall is a white porphery and the foot wall is a red biotite granite that shades into a monzanite. In the near vicinity there is diorite, diabase, and green schist. The main and secondary ledges are both true fissure veins. There are about twenty feeder veins. The main values are in carbonates that go into sulphides in depth.
24. ORE, POSITIVE AND PROBABLY, ORE DUMPS, TAILINGS: The ore is not blocked out but there are at least six carloads of shipping ore in sight. There is one carload of \$45.00 ore on the dump. The main body of ore is in the sulphide zone below the main tunnel. The ore that has been shipped yielded from \$28.00 per ton and up.
- 24A. DIMENSIONS AND VALUE OF ORE BODY: The main ledge is about fifteen feet wide in the long tunnel. The ore is in lenses from six inches to twelve feet wide. The secondary ledge is 40-45 feet north of the main ledge and is six feet wide in cross cut about twenty-five feet below the surface.
25. MINE, MILL EQUIPMENT AND FLOW SHEET: There is no equipment on the place except some air lines.
26. ROAD CONDITIONS, ROUTE: There was a graded road constructed in 1938 from Yucca to the camp. The road is badly washed at the present time but is still passable. From Yucca you go nine and one-half miles on the Borianna Road, then turn to the right and go twelve miles on the Cedar Mine Road to the Berkley Mine when you turn due east and go three and one-half miles to the Esperanza.
27. WATER SUPPLY: There is plenty of good domestic water in nearby springs and water in mine for a mill.
28. BRIEF HISTORY: It was first located in 1881 by John Nolle and Podoci Padilla. Numerous other located and worked it from then until 1916 when Mr. Hansman acquired a half interest and later acquired the other half. In 1890-95 the Mexicans shipped several carloads of rich ore from a cross stringer. In 1902-03 there was a small tonnage of ore sent out that went 370 ounces in silver, \$104 in gold and 40% in lead. This was from the main ledge. In 1916 Mr. Hansman shipped seven tons that also went 370 ounces in silver, and \$104 in gold. In 1938, Farley Conger and Holland shipped 104 tons that went \$28.00 per ton in lead and silver and gold.
29. SPECIAL PROBLEMS, REPORTS FILED: There are no special problems.
30. REMARKS: The owner thinks that a man should have from fifteen to twenty thousand dollars to sink a shaft along side the main vein from the lower tunnel level down at least two hundred feet. Then cross cut and drift under the ledge. This will drain off the water and block out a big body of good shipping ore. There is enough ore in sight to pay for this work.

31. IF PROPERTY FOR SALE, PRICE, TERMS AND ADDRESS TO NEGOTIATE: The owner wants thirty thousand dollars on a three year bond and lease. Five hundred down, one hundred and fifty per month and ten per cent gross royalty. The bond and lease to be nontransferrable except at the owners concent.

32. SIGNATURE _____
 /s/ Ed Hansman

The small stope at the entrance of the main tunnel is about 16' x 12' x 4'. On this stope there is a fourteen inch vein that goes 370 ounces in silver and \$104 in gold. There is also a two and a half foot vein that goes 40% in lead and sixty ounces in silver.

Ninety feet in from the mouth of the main tunnel there is a five foot winz that shows five feet of ore that goes \$85 per ton in silver, lead, and gold.

The main vein can be traced for seven miles to the east and one and a half miles to the west of the Esperanza claims.

31. IF PROPERTY FOR SALE: PRICE, TERMS AND ADDRESS TO NEGOTIATE--The owner wants thirty thousand dollars on a three year bond and lease. Five hundred down, one hundred and fifty per month and ten per cent gross royalty. The bond and lease to be non-transferable except at the owners consent.

32. SIGNATURE W. Hansman

The small stop at the entrance of the main tunnel is about 16' x 12' x 4'. on this stop there is a fourteen inch vein that goes 370 ounces in silver and \$104 in gold. There is also a two and a half foot vein that goes 40% in lead and sixty ounces in silver.

Ninety feet in from the mouth of main tunnel there is a five foot wing that shows five feet of ore that goes \$85 per ton in silver, lead and gold.

The main vein can be traced for seven miles to the east and one and a half miles to the west of the Esperanza claims.

31. IF PROPERTY FOR SALE: PRICE, TERMS AND ADDRESS TO NEGOTIATE--The owner wants thirty thousand dollars on a three year bond and lease. Five hundred down, one hundred and fifty per month and ten per cent gross royalty. The bond and lease to be non-transferable except at the owners consent.

32. SIGNATURE

31. IF PROPERTY FOR SALE: PRICE, TERMS AND ADDRESS TO NEGOTIATE--The owner wants thirty thousand dollars on a three year bond and lease. Five hundred down, one hundred and fifty per month and ten per cent gross royalty. The bond and lease to be non-transferable except at the owners consent.

32. SIGNATURE

[Handwritten signature]

The small shaft at the entrance of the main tunnel is about 15' x 12' x 4'. On this shaft there is a fourteen inch vein that goes 370 yards in air and \$104 in gold. There is also a two and a half foot vein that goes 40% in lead and sixty ounces in silver.

Ninety feet in from the mouth of main tunnel there is a five foot vein that shows five feet of ore that goes \$82 per ton in silver, lead and gold.

The main vein can be traced for seven miles to the east and one and a half miles to the west of the shaft shown.

33. SIGNATURE

34. IF PROPERTY FOR SALE: PRICE, TERMS AND ADDRESS TO NEGOTIATE--The owner wants thirty thousand dollars on a three year bond and lease. Five hundred down, one hundred and fifty per month and ten per cent gross royalty. The bond and lease to be non-transferable except at the owners consent.