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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BUENA VISTA

ALTERNATE NAMES:
GOODVIEW

SANTA CRUZ COUNTY MILS NUMBER: 43A

LOCATION: TOWNSHIP 23 S RANGE 15 E SECTION 36 QUARTER SW
LATITUDE: N 31DEG 22MIN 50SEC LONGITUDE: W 110DEG 46MIN 06SEC
TOPO MAP NAME: NOGALES - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER SULFIDE
SILVER
GOLD
LEAD
MOLYBDENUM

BIBLIOGRAPHY:
INDEX TO MINING PROP. IN SANTA CRUZ CO.,
AZBM BULL. 191
ADMMR BUENA VISTA FILE
AZBM CARD FILE SANTA CRUZ CO.
SCHRADER, F.C., 1915, USGS BULL. 582,
P. 314-315
ADMMR CORONADO MINES INC. FILE
ADMMR "U" FILE CU 7

CORONADO MINES, INC.

SANTA CRUZ COUNTY

USGS Bull. 582 p. 312 (Buena Vista Mine)
(Golden-Rose Mine)

USGS Bull. 430 p. 160 (Buena Vista Mine)

ABM Bull. 129 p. 65

Four Metals Mine (file)

RI 5650 p. 122 (Red Mountain Claims)

Ariz. Mng. Journal, June, 1918, p. 43

See: ~~Eagle-Picher Confidential Files "C"~~ *Now in this file*

ABM Card File Santa Cruz County

ABM Bull. 191, p. 75 (Buena Vista Mine)

MILS Sheet SEquence number 0040320157

Bennett (file)

CORONADO MINING COMPANY
SANTA CRUZ COUNTY, ARIZ.

The mining property of the Coronado Mining Company is located approximately 12 miles east of Nogales on the Nogales Duquesne road. Over 100 Claims are included in the company group. (1)

The purpose of this preliminary examination was to determine the possibility of finding commercial radioactive ores. This was done by having the watchman guide me to the locations that were reported radioactive. Tests were made with a gieger counter, the results of which are given below.

The rocks of the area appear to be of igneous origin and vary from a medium light gray biotite granite to a dark colored diorite.

Location number 1

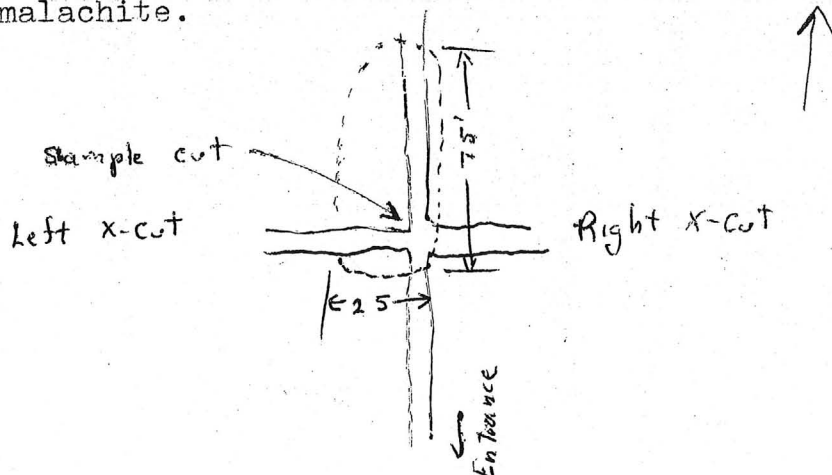
This sample was taken from the steep rock along side of the dry wash below the watchmans home. The rock is dark colored probably a diorite. In the rock above and below a flat fault, green copper oxides can be seen, along with rusty looking spots. The bank had been blasted into and from one of the rusty areas, sample no.1 was taken. When the probe of the counter was held close to the rusty spot or the broken ground nearby a reading of 20 on the 0.2 scale was obtained.

Location number 2

The next location was at the end of a long tunnel on the Buena Vista claim. At one spot in a very narrow fissure vein the meter on the instrument indicated 20 on the 2.0 scale. The drifts on this claim appeared to follow these narrow veins. The vein material is quartz with some chalcopryite, sphalerite and pyrite. The wall rock is a light colored granite, with alteration evident along the fractures. These veins strike N 50 E and dip approximately 50 degrees to the S. E.

Location number 3

This was in the Red Mountain upper tunnel, at the first cross cut. The spot from where the sample was chipped read 12 on the 0.2 scale. The interesting part was for a distance of 75 feet along the tunnel from the first crosscut and for 25' in the left crosscut where the counter indicated from 7 to 10 on the 0.2 scale. This area as shown on the sketch appears to be an altered siliceous rock containing pyrite, chalcopryite, azurite and malachite.



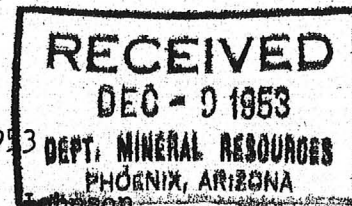
The Red Mountain upper tunnel has been driven into the side of the mountain below, what appears to be a large red oxidized area. The dump appears to have considerable sulfides of low grade copper content.

This is the area that the Joy company drilled 10 diamond drill holes in for the Duval Suphur Co.

Conclusion

(1) Stevens map of the Coronado Mining Company Claims.
Note: The background count was 2 on the 0.2 scale.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Coronado Mines

Date Dec. 3, 1953

District Nogales District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report

Location About 12 miles north-east of Nogales, Ariz.

Number of Claims 163 claims--all unpatented. Mines are as follows:- Red Mountain Mine (33 unpatented claims) (formerly Four Metals), on which drilling operations are being at present conducted, and, in addition, 9 other mines including 130 additional unpatented claims:-viz: Buena Vista, Bennet, Rankin, Larson, Martha Washington, Red Top, King, State Group, & Golden Rose.

Owners Coronado Mines, Inc., 208 Wright Bldg., Tulsa 3, Okla.
Milton Leon, President, 208 Wright Bldg., Tulsa 3, Okla.

Option to Buy Duval Sulphur and Potash Company, 17th Floor Millie Esperson Bldg., Houston 2, Texas. ----- George F. Zoffman, Pres. same address.
W. P. Morris Resident Manager, Potash Division, P. O. Box 510, Carlsbad, N. Mex. has charge of Coronado Mines option.
B. G. Messer is Chief Engineer in the field superintending the operations.
Option to buy is for 2 years, and includes all of the Coronado 10 mines.

Principal Minerals Red Mountain is a low grade disseminated deposit containing principally copper, with some molybdenum. The Golden Rose is a gold and silver property. The other 8 properties are principally copper properties, with some molybdenum.

Number of Men Employed 11

Operation Conducted The Duval Sulphur and Potash Co. have started diamond drilling operations on the Red Mountain Group of claims in order to determine average grade of the ore and approximate tonnage, preparatory to making plans for the construction of a mill to mill the ore on the Red Mountain Mine. The drilling is done under contract by the Joy Manufacturing Co. Two diamond drills are used, one being started on Nov. 25, and the other being started on Dec. 2. The first hole is down 120 ft. and the second hole is down 30 ft. The estimated average, after things get under way is about 40 ft. per day per rig. 22H Joy Diamond Drills are being used, starting with a BX core, and planning to use Ax core after the hole gets deeper.

Number of holes to be drilled has not been determined as yet, but is left open pending success of the drilling operations. Contract with Joy Mfg. Co., however, calls for a minimum of 8000 ft. of drilling. Depth of the holes will vary from 500 to 1500 ft.

Drilling will be done on the Red Mountain mine first. If this drilling is successful, the company plans on conducting diamond drilling operations on some of the other mines later, probably on the Buena Vista and the Bennet.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Page 1

Mine Coronado Mines, Inc.

Date Feb. 6, 1953

District Nogales District

Engineer Axel E. Johnson

Subject: Report of Mining Operations

The Coronado Mines, Inc. is getting ready for a diamond drilling program on some of their Arizona mining properties.

The home address of the Coronado Mines, Inc. is 208 Wright Bldg., Tulsa 3, Okla. The president of the company is Milton Leon of Tulsa, and the mine foreman is Howard Pittenger of Nogales, Arizona.

The Coronado Mines, Inc. own 10 mines in the Nogales Mining District about 12 miles north-east of Nogales. They are as follows:- Red Mountain (formerly called the "Four Metals"), Buena Vista, Bennet, Rankin, Larson, Martha Washington, Red Top, King, State Group, and the Golden Rose.

The first nine mentioned, which are copper properties, some also containing a considerable amount of molybdenum, was acquired from the Kino Copper Co.; and the last one, the Golden Rose, a gold and silver property, was bought from Howard Pittenger.

The drilling operations will be conducted on the Red Mountain, the Buena Vista, and the Bennet Mines. It is expected that diamond drilling will commence in about 3 weeks, and continue throughout the summer months. Depth of the holes will be from 500 to 2000 ft.

The Red Mountain mine consists of a group of non patented claims developed, so far, by a winze, 3 drill holes, and about 5000 ft. of tunnel work. It is a large, low grade, disseminated deposit, containing copper, molybdenum, and a little gold and silver.

The Buena Vista mine, a group on non patented claims, is developed by 2 shafts, 120 ft. and 90 ft., respectively, and about 2000 ft. of tunnel work. This deposit consists of 3 veins of fairly high grade of copper and molybdenum, with also a considerable amount of lower grade disseminated ores.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

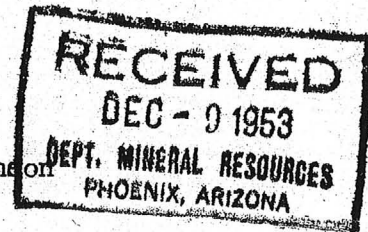
Mine Coronado Mines

Date Dec. 3, 1953

District Nogales District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: News Report



The Duval Sulphur and Potash Company, 17th Floor, Millie Esperson Bldg., Houston 2, Texas has acquired an option to purchase the properties of the Coronado Mines, Inc., 208 Wright Bldg., Tulsa 3, Okla., which properties consist of 10 mines with 163 unpatented claims located about 12 miles north-east of Nogales, Arizona. The option is for 2 years, which will give the Duvall Sulphur and Potash Co. ample time in which to conduct extensive diamond drilling operations on the properties.

The Coronado Mines holdings are as follows:- Red Mountain Mine (formerly called Four Metals, and comprising 33 unpatented claims) on which drilling operations are being at present conducted; and, in addition, 9 other mines including 130 additional claims; viz:- Buena Vista, Bennet, Rankin, Larson, Martha Washington, Red Top, King, State Group, and Golden Rose.

The Red Mountain is a low grade disseminated deposit containing principally copper, with some molybdenum, and believed to be a fairly large deposit. The Golden Rose is a Gold-Silver property. The other 8 properties contain principally copper, with some molybdenum, and are vein deposits with some lower grade disseminated ores, in addition, found on the Buena Vista and the Bennet.

The Duval Sulphur and Potash Co. have started diamond drilling operations on the Red Mountain Group of claims in order to determine average grade of the ore and the approximate tonnage, preparatory to purchasing the property and making plans for the construction of a mill to mill the ore. The drilling is done under contract by the Joy Manufacturing Co. Two diamond drills are being used (22H Joy Drills), ~~operations~~ drilling with a BX core, and planning to drill an AX core at greater depths.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT
Page 2.

Mine Coronado Mines

Date Dec. 3, 1953

District Nogales District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: News Report (continued)

First hole was started on Nov. 25, and is now down to a depth of 120 ft.

The second hole was started on Dec. 2, and is down to a depth of 30 ft. The estimated drilling average, after things get under way, is about 40 ft. per day per rig.

The number of holes to be drilled is not determined as yet, but is left open pending the success of the drilling operations. The contract with the Joy Manufacturing Co. calls for a minimum of 8000 ft. of drilling. Depth of the holes will vary from 500 to ~~1500~~ 1500 ft.

Drilling will be done on the Red Mountain group of ~~various~~ claims first. If this drilling is successful, the company plans on conducting diamond drilling operations on some of the other mines in the Coronado Group later, probably on the Buena Vista and the Bennet.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Page 2

Mine Coronado Mines, Inc.

Date Feb 6, 1953.

District Nogales District

Engineer Axel L. Johnson

Subject: Report of Mining Operations

Bennet Mine, a group of unpatented claims, developed by a 250 ft. tunnel. It has a wide vein of fairly good grade of copper and molybdenum.

In addition to the 3 mines above, where diamond drilling is scheduled to be conducted, the company also intends to conduct some exploration work on the 7 other mines which they own.

Of these, the Rankin and the Larson have vein deposits of a good grade of copper ore, the Martha Washington and the Red Top mines is reported by Howard Pittenger to have both scheelite and molybdenite, the King mine is a copper deposit, the State Group is reported to have scheelite and copper, and the Golden Rose is a promising gold and silver property according to the mine foreman, Mr. Howard Pittenger.

Axel L. Johnson

Premium Survey

NAME OF COMPANY Coronado Mines, Inc. 217 Pythian Building, Tulsa 3, Oklahoma.

NAME OF MINE Buena Vista, Nogales, Arizona

(1) Production - January 1st to June 30, 1946, inclusive.

Producers shipping ore direct to smelters or to custom mills use Column No. 1; producers operating their own mill use Column No. 2.

COLUMN NO. 1				COLUMN NO. 2			
Tons	% Cu	% Pb	% Zn	Tons	% Cu	% Pb	% Zn
Crude Ore	540	1.48		Copper Conc.			
				Lead Conc.			
				Zinc Conc.			

(2) Average Price Received for Metals in Above Production

This to be the total of the ceiling price plus premiums.

Copper .22 ¢/lb. Conn. Valley as base
 Lead ¢/lb. N.Y. as base
 Zinc ¢/lb. East St. Louis as base

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(3) What do you estimate your production would have been, January 1st to June 30, 1946, if the metal price had been:

Cu 14 3/8¢/lb. Conn. Valley; Lead 8.25¢/lb. N.Y.; Zinc 8.25¢/lb East St. Louis (with no premiums)

COLUMN NO. 1		COLUMN NO. 2	
Crude Ore	Tons	Copper Conc.	Tons
		Lead Conc.	Tons
		Zinc Conc.	Tons
Same as above			

(4) What do you estimate your production would have been, January 1st to June 30, 1946, if the metal prices had been:

Cu 16¢/lb. Conn. Valley; Lead 11¢/lb. N.Y.; Zinc 9.50¢/lb. East St. Louis (with no premiums)

COLUMN NO. 1		COLUMN NO. 2	
Crude Ore	Tons	Copper Conc.	Tons
		Lead Conc.	Tons
		Zinc Conc.	Tons
Same as above			

(5) If a metal Conservation Price Plan, similar to the present Premium Price Plan, were made permanent for at least five years,

- (a) What would your yearly production of ore or concentrates be: About 100,000 Tons Or
- (b) Would such a plan cause you to expand your exploration-development program? If so, how much? Yes. At least double
- (c) What effect would such a plan have in increasing your ore reserves? Would help.
- (d) In view of low tariffs, how would such a plan promote a healthy mining industry? Stimulate Development & Increase Production.

NAME OF MINE: ~~BUENA VISTA~~
(Red Mountain, Coronado)

COUNTY: S. Cruz. 5
DISTRICT:
METALS: Cu

OPERATOR AND ADDRESS:		MINE STATUS	
DATE:		DATE:	
5/1/44	Louis Hudgin-deceased Box 659, Nogales	5/1/44	Developing

~~NAME OF MINE:~~ ✓ RED MOUNTAIN-BUENA VISTA
OWNER: CORONADO MINES, INC.
217 Pythian Bldg., Tulsa, Okla.

COUNTY: SANTA CRUZ
METALS: Au, Ag, Cu, Mo

OPERATOR AND ADDRESS		MINE STATUS	
DATE:		DATE:	
4/47	✓ Coronado Mines, Inc. Box 659, Nogales, Arizona	4/47	Developing

THE EAGLE-PICHER COMPANY
MINING AND SMELTING DIVISION
GEOLOGICAL DEPARTMENT
CARDIN, OKLA.

SUMMARY OF
MILTON LEON'S REPORT
OF
CORONADO MINES, INCORPORATED

BY
J. P. LYDEN

CARDIN, OKLAHOMA.

AUGUST, 1956.

INTRA-COMPANY



CORRESPONDENCE

OFFICE Cardin, Oklahoma.

DATE August 15th., 1956

TO Mr. J. W. Chandler,

FROM J. P. Lyden.

SUBJECT Summary of Milton Leon's report on properties
of Coronado Mines, Incorporated.

Dear Jack:

At your request, I accompanied you to Tulsa, Oklahoma on July 31, 1956 where we met with Milton Leon at his office in the Wright Building. Mr. Leon had submitted the properties of Coronado Mines, Inc., to The Eagle-Picher Company for consideration, and at this meeting he showed us the maps and data that he had worked up in his report dated March, 1955. He let us take a copy of this report with us so that we could copy whatever data we desired.

The properties are located in the Patagonia Mining District in Santa Cruz County, Arizona and are approximately 12 miles east and 3 miles north of Nogales, Arizona. The accompanying map shows the locations of the mining claims.

The property consists of 161 unpatented and contiguous claims and two mill sites which cover an area of 3,200 acres.

The Red Mountain and Buena Vista mines are the two most important properties in the group, and, judging from the data in Mr. Leon's report, they are the only ones worthy of consideration.

RED MOUNTAIN MINE:

The Red Mountain mine is the most important prospect. It is developed by 3 tunnels, which are shown on the accompanying composite plan map, and on the vertical section A-A.

The areas containing the best copper values on each level, as determined by chip samples taken by Mr. Leon, are outlined in red on the 5090-foot elevation level and in blue on the 5260-foot level. The area in square feet and the average grade in copper are shown for the respective area on each level.

The tonnage in Block A-B was figured by averaging areas A and B and multiplying by 170, the vertical height between levels and dividing by 12, the cubic feet per ton. The average grade is a weighted average of the areas and their respective grades.

Mr. J.W.Chandler.

PAGE # 2.

SUBJECT: SUMMARY OF MILTON LEON'S REPORT.

The tonnage in Block B-C was figured by using Area B, height 140-feet between levels 5260 and 5400, and 12 cubic feet to the ton.

Block C was given the same area as Block B-C since there was not enough development work to outline the ore on the 5400-foot elevation level.

With the exception of Block A-B the tonnages in the following tabulation are not developed ore. They merely indicate the tonnages that might be expected if the mineralization above Area B should extend vertically to the surface. Considerable drilling would be required to determine the actual grade of these blocks:

<u>BLOCK</u>	<u>ROCK TONS</u>	<u>PERCENT COPPER</u>	<u>TONS COPPER</u>
A-B	551,083	0.73	4,022.9
B-C	494,667	0.67	3,314.3
C	943,023	0.52	4,937.2
TOTAL,	1,988,773	0.62	12,274.4

The data in Mr. Leon's report would indicate that the copper mineralization occurs in a fault zone in quartz monzonite country rock. The geology in the mine should be mapped to learn more about the occurrence and extent of this mineralization and then, if the property justifies further consideration, it can be properly prospected and sampled.

BUENA VISTA MINE:

The accompanying composite plan map shows the tunnels on the Buena Vista vein. Seventy samples taken at 7-foot intervals which are shown on Mr. Leon's assay plan map of the ore shoot in the west vein of the lower tunnel averaged 1.41% Cu for a length of 483 feet and average width of 7.2 feet.

Records of 13 railroad cars of ore, totaling 695.6 dry weight tons which were shipped to the Magma Copper Company from the ore shoot in the west vein averaged 0.015 ounces gold per ton, 0.45 ounces silver per ton, 3.35 pounds MoS₂ per ton and 1.71% copper.

If it is decided to give the Buena Vista mine further consideration the geology should be mapped and the stope outlines surveyed. Some sampling will be needed to further outline the ore shoot and check its grade.

Sincerely,

J. P. Lyden
J. P. Lyden.

JPL/tp.

Encls.

cc: Mr. O.A. Roc /ell

ASSAY CERTIFICATE
THE EAGLE-PICHER CO.
Sahuarita Mill Operations

Shipper

Date Sept 25-02

Mine

Address

DESCRIPTION	AU. Ozs. per ton	AG. Ozs. per ton	PB. PER CENT	ZN. PER CENT	CU. PER CENT	FE. PER CENT		
g 457	nil	tr	tr	tr	.05			
g 458	nil	tr	tr	tr	tr			
g 459	Also being checked to molybdenum.	nil	tr	tr	.89			
g 460		nil	tr	tr	.10			
g 461		tr	tr	tr	tr	.77		
g 462		tr	tr	tr	tr	nil		
g 463		tr	tr	tr	.30			

Bill Condit

Buena Vista + Red Mountain Assayer C