



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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08/18/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: CRESCENT MINING PROPERTIES

ALTERNATE NAMES:

FRANKLIN, CUSHING & MARION GP
ROSEMONT GROUP
LEWISOHN ESTATE

PIMA COUNTY MILS NUMBER: 170

LOCATION: TOWNSHIP 18 S RANGE 15 E SECTION 25 QUARTER SW
LATITUDE: N 31DEG 50MIN 10SEC LONGITUDE: W 110DEG 45MIN 55SEC
TOPO MAP NAME: SAHUARITA - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER OXIDE
SILVER OXIDE
GOLD LODE
GOLD
SILVER
LEAD

BIBLIOGRAPHY:

USGS BULL. 582, P. 38, 52, 115, 130, 131 &
139
S.B. KEITH, AZBM BULL. 189, P. 126, 1974
ADMMR CRESCENT MINING PROPERTIES FILE
ADMMR ROSEMONT DEVELOPMENT CO. FILE
ADMMR HILO CONSOLIDATED, DAYLIGHT & YORK
GROUP FILE
ADMMR ELGIN FILE
~~AZBM FILE DATA CIRCA 1973~~
~~IN CABABI DIST. NEAR SELLS. EXACT LOC. UNKN.~~
~~ADMMR LISTED 1985~~

CRESCENT MINING PROPERTIES

PIMA
HELVETIA DIST.
T18S, R15E, sec 25

See: Rosement Development Co. (file) Pima
Narragansett & Daylight (file) Pima
Hilo Consolidated, Daylight and York Group (file) Pima
King - Exile Mine (file) Pima

USGS Bull. 582, p. 38, 52, 115, 130, 131, 139

MILS FRANKLIN CUSHING MARION MINE GROUP #0040190226

Exhibit B.

R E P O R T

on the

"CRESCENT MINING PROPERTIES"

belonging to the

"ROSEMONT CONSOLIDATED COPPER COMPANY"

Report on the "Crescent Mining Properties",

of the

"ROSEMONT CONSOLIDATED COPPER COMPANY".

To the officers of the Rosemont Consolidated Copper Company:

I made an examination of the Crescent Mines on the 13th. of November, 1916. The property consists of the "Centurian", the "Merchant", the "Taylor" and the "Cave", and is located in the Helvetia Mining District in the Santa Rita Mountains, Pima Counta, State of Arizona, about twenty miles from Vail rail-road depot.

THE CLAIMS: The relative location of which is shown on attached sketch, are located in a well developed mining district. To the west, lining with the Falls Mine, that is operating and shipping ore from the same lead on which at present development work is being done on the Centurian Claim, a short distance south of the property, the "Chicago" is operating and shipping and to the north the "Narragansett Mine" is a big producing mine.

THE CENTURIAN CLAIM: In regard to the geological formation will say, that coming from the south we meet first with a quartzite and a more or less decomposed siliceous limestone formation that forms a foot-wall for an orebody, that on the surface shows a width of about 100 feet and which I followed for the full length of the claim. The ledge containing the orebody has a dip, as far as can be ascertained, of 20 to 30 degrees towards the north, is of a porphyritic character with occasional blow-outs of hematite and is on the contact of above mentioned formation and feldsite that is forming the hanging wall. From three of the most prominent blow-outs at a relative distance of 2 to 300 feet, which seem to be out-cropping for high grade oreshutes, I took a combined sample trying to get a fair average and making this combined 3 croppings. This sample, according to attached certificate, assayed \$0.40 gold, \$2.20 silver and 6.4 % or \$32.00 copper or total \$34.60 per ton.

At a distance from the opening of 40 feet a cross-cut is made, cutting the vein at a distance from the tunnel of 60 feet and in this place a winze is sunk to the depth of 50 feet on an incline following the vein. I took a sample from the bottom of this winze marking "Winze face Tunnel No. 2". The assay of same went \$0.20 gold, \$0.56 silver, 1.91 % copper or \$9.55, total per ton \$10.31. Another sample from the top of the winze marked "Winze Back Tunnel No. 2." assayed \$0.60 gold, \$8.55 silver, 1.25 % copper or \$6.25, total per ton \$15.40. From the place where the cross-cuts is made the tunnel is carried on for 110 feet more following a stringer, the width of which is 1 foot. Another cross-cut has been started at about 100 feet from the opening of the tunnel, but has only been carried on for a short distance and has not reached the ore.

At the mouth of the tunnel is a dump that contains about 140 tons of low grade ore running according to different assays about 1 1/2 % of Copper besides other values.

As all ore in this place is highly siliceous I should think it would pay well to concentrate, also I should expect that in depth higher values will be found.

On the Taylor and the Cave no developments work has been done, however, the surface showing on these claims are very encouraging.

I shall still mention the easy grade of the road to the railroad and that with small improvements a first class road could be made for truck hauling.

G. O. Peterson
Mining Engineer

Judging from all indications I should consider it beyond doubt that this orebody forms an extensive concentrating proposition with occasional high grade deposits and that in depth high values can be expected.

DEVELOPMENTS: As the Rosemont Consolidated Copper Company took hold of the property a shipment of 37 tons was made, taking the ore from two of the mentioned blow-outs. The Smelter receipt as shown on attached copy give values \$17.95 per ton or a total of \$400.74 after deduction of costs, which I should think, by some sorting, could have been raised to a considerable higher value per ton.

Since this shipment was made, in order to obtain more depth and herewith higher values and also to be able to work to better advantage, the energy has been applied to driving a tunnel known as "Tunnel No. 1" from the south side of the ledge. This tunnel will strike the orebody at a depth of 100 feet below the surface and at a distance from the opening of 120 to 140 feet, according to how much the dip will be found to be. The length of the tunnel is now 100 feet and an assay of a sample from the face shows, according to certificate, some values.

Of other developments on the Centurian Claim I shall mention as old working, a 40 feet vertical shaft about 900 feet from the east end line to the north of the lead likely sunk before 1907, at what time I have learned, that the property was operated. The depth of this shaft can eventually be increased and will then make a good working shaft.

A tunnel has also been started at some distance west of the shaft, but only been driven for a short distance and has not reached into the ore.

THE MERCHANT: The geological formation of this claim has mostly the character of a feldsite which forms the hanging wall for a vein of about 7 feet wide running in a south-westerly direction with a dip of about 20 degrees to the south-east. The foot wall is formed of calcite that extends into the Taylor Claim.

DEVELOPMENTS: Of old working a tunnel called "Tunnel No. 2" has been driven about 350 feet from the east end line. The direction of this tunnel is in a south-westerly direction and the length is 150 feet.

A. JACOBS.

Assayer

TUCSON JULY 17th 1916

Crescent Mine	Gold.oz	Value \$20	Silver.oz	Value	Copper%			
Collar of shaft in Drift 6th North	no		0.8		2.1			
Dump sample Fines	no		0.3		1.4			
South End Property	Trace		3.2		8.0			
Breast of Winze Drift old workings	no		0.3		1.6			
Bottom Winze Drift old workings	no		0.4		2.2			

copy

A. L. PELLEGRIN.

Assayer

TUCSON NOV 15th 1916

Crescent Mine	Gold.oz	Value \$20	Silver.oz	Value \$70	Copper%	Value 25%	Total Value
Winze Face Tunnel No 2	0.01	\$ 0.20	0.8	\$ 0.56	1.91	\$ 9.55	\$ 10.31
Winze Back Tunnel No 2	0.03	" 0.60	12.3	" 8.55	1.25	" 6.25	15.40
Face Tunnel No 1	0.01	" 0.20	0.1	" 0.07	Trace	" Tr	0.27
Combined 3 Croppings	0.02	" 0.40	3.1	" 2.20	6.4	" 32.00	34.60

copy

ARIZONA PAYMASTER

Assay Office

JULY 8th 1916

Crescent Mine	Silver	Lead	Copper	Iron	Silica			
High Grad Dump Top of Hill Sulphide	.2	1.4	24.6	15.6	33.4			
Bottom Winze Sulfurous Carbonate	Tr	0.5	1.2	8.2	71.-			
Bottom Winze Dump	Tr	0.4	1.2	8-	73.6			
Top of Winze Drift	Tr	0.6	1.4	10.3	70.			
Top of Winze Drift	Tr	0.4	1.9	11.3	68.4			
Special July 10th			20.6	22.6				

copy

THE CONSOLIDATED KANSAS-CITY SMELTING & REFINING CO
EL PASO SMELTING WORK BRANCH.

EL PASO - TEX 9-30 1916

Bought of: Blake, Meador & Faulkner

Shipping Point Vail - Ariz Small Lot 5489.
Classification Ore

Car		Weight in Pounds			NEW YORK
No	Unit	Wet Weight	Mois ture	Dry Weight	QUOTATION
214374	Wye	74440	1	73696	Doll 9-23 Silver 68 7/8 p. Oz. Copper 27. p. lbs.

					Values	
					Per Ton	Total
Gold	oz		@			
Silver	2.3 oz	95	@	6665625	1.46	
Copper	4.48	3.88 %	@	2125	16.49	
			lbs	@		17.96
<u>Deductions</u>						
Treatment charge					Total Deduction	5.00
						5.00
						12.95
Total Value	36848	Tons	@	\$12.95	Debit	Credit
Less Freight	@ 2.00	Per Ton			74.44	477.18
					2.00	
Balance Due:						

Sketch
of
THE CRESCENT MINE
and
Surrounding Claims

Scale 1 inch = 1000 Ft.

N.

