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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SIERRITA MARBLE PLANT

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 612

LOCATION: TOWNSHIP 15 S RANGE 10 E SECTION 34 QUARTER C
LATITUDE: N 32DEG 04MIN 49SEC LONGITUDE: W 111DEG 18MIN 41SEC
TOPO MAP NAME: COCORAQUE BUTTE - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

STONE MARBLE
CALCIUM MARBLE

BIBLIOGRAPHY:

ADMMR SIERRITA MARBLE PRODUCTS PLANT FILE
ADMMR SIERRITA MARBLE PRODUCTS QUARRIES FILE
(T18S-R11E, SEC. 19)
ADMMR MARBLE TOP MARBLE PLANT FILE
GEO FILE - MIERITZ, RICHARD, 1970



STATE OF ARIZONA

DEPARTMENT OF MINES AND MINERAL RESOURCES

Mineral Building, Fairgrounds, Phoenix, Arizona 85007 • (602) 255-3791

SIERRITA MARBLE PRODUCTS PLANT

PIMA COUNTY
PAPAGO DIST.
T15S, R10E, Sec 34

MILS SIERRITA MARBLE PLANT

See: SIERRITA MARBLE PRODUCTS QUARRIES (file)
MARBLE TOP MARBLE PLANT (file)

SIERRITA MARBLE CRUSHING & SCREENING PLANT

PIMA COUNTY

Mine visit - No change. ALJ WR 4-29-63

Sierrita Marble Products now getting their marble from the Jay Jay Claims. John W. Markham.
ALJ WR 1-20-64

Not operated today. Being operated as the demands requires it. ALJ WR 5-4-64

Minerology of Arizona p. 15, 16

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Sierrita Marble Crushing & Screening Date April 27, 1962
 Plant
District Papago Mining District - Pima County Engineer Axel L. Johnson

Subject: Field Engineer's report. Information from Al Lopez, foreman & personal visit

References: Report of June 26, 1959

Location: 1/8 mile north of Three Points

Owner: Sierrita Marble Products - R. O. Classon, Owner
 4025 E. Third St. Tucson, Arizona
 Al Lopez, Plant Manager, 502 W. Canada, Tucson, Arizona

Present Activity: Production of crushed white marble of various sizes. 3 men working - 1 man hauling the marble from the quarry to the plant, and 2 men operating the plant. The plant is operated 8 hours per day, 5 days per week, and in addition, repair work is done on Saturdays. The average production is from 320 to 400 tons of marble per month.

Operation of the Plant: Same as shown in my report of June 26, 1959, except that there are a few slight changes in the sizes of the marble produced, viz:

# 8 size	-----1" to $\frac{1}{4}$ "	
# 4 size	----- $\frac{1}{2}$ " to 1"	
# 3 size	----- $\frac{3}{8}$ " to $\frac{1}{2}$ "	
# 2 size	----- $\frac{1}{4}$ " to $\frac{3}{8}$ "	
# 1 size	----- $\frac{1}{8}$ " to $\frac{1}{4}$ "	Marble is all white
# 0 size	-----like coarse sand	Marble is sacked in 100# bags
#16 size	-----like plaster sand	
#30 size	-----like flour	

Markets and Uses: Sizes #8, #4, #3, #2, & #1 are sold to different roofing companies in Tucson for use as roofing chips. Hays Roofing Co., Riggs Roofing Co., Curtis Roofing Co., and Morgan Roofing Co. were mentioned as customers of the product.

Sizes #0, #16, and #30 are used for mixing with cement in the construction of swimming pools and concrete floors. Whittacker Pools was mentioned as a customer for this product.

Sizes #3, #2, and #1 are sold in small amounts for use as terrazo chips, and in patios, walks and driveway.

Mr. Lopez reported that a considerable amount of marble products were sold to Phoenix dealers and hauled to Phoenix by truck.

Size #16 is used to some extent in plaster.

Selling Prices: Sale prices are the same as shown in my report of June 26, 1959.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Sierrita Marble Crushing & Screening Plant Date September 29, 1964

District Papago District, Pima County

Engineer Axel L. Johnson

Subject Present Status. Information - Joseph Cardiello (dead 10/64)

References: Report of 4-27-62

Location: Three Points

Owners: Sierrita Marble Products, R.O. Classon, owner.

Activity: Plant has not operated for 4 months. Mr. Classon will not reduce the price to meet competition.

SIERRITA MARBLE CRUSHING & SCREENING PLANT

PIMA COUNTY

This property active Oct. 1959
Feb. 1960
Sept. 1960
Feb. 1961
Oct. 1961
Feb. 1962
Oct. 1963

1-0

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Sierrita Marble Crushing & Screening Plant Date June 26, 1959
District Papago Mining District, Pima County Engineer Axel L. Johnson
Subject: Field Engineers Report - Information from Frank Salas & personal visit

References: Report of Feb. 9, 1957

Location: 1/8 mile N of Three Points

Owner: Sierrita Marble Products Frank Salas, Plant Mgr.
 R. O. Classon, Owner 4449 S. 6th Ave.
 4025 - 2520 E. Third St., Tucson, Ariz. Tucson, Arizona

Principal Product: Crushed marble.

Present Activity: Production of about 24 tons per day of crushed marble. 3 men working
----- 1 man hauling marble from the quarry and 2 men operating the crushing and screening
plant. At present the plant is operating 8½ to 9 hrs. a day, Saturdays included, as
unfilled orders have been accumulating.

Operations at the Plant: The plant has a capacity of 24 tons in 8 hr. It consists
principally of a 9" x 16" Tel-smith crusher, 16" x 24" rolls, a bucket elevator, triple
deck vibrating screens, 4 ore bins of 2½ to 3 ton capacity and 3 smaller bins of 1 to
1½ ton capacity, and sacking and weighing equipment.

The marble rock is quarried at the White Hope Quarries, 24 miles S of Three Points, which
is operated by Brittain-Hendrickson Mining Co. (See report of White Hope Quarries).
It is purchased from the above company at a certain price per ton of rock f.o.b. mine.
2 White 8 ton dump trucks are used for hauling the marble rock the distance of 24 miles
from mine to plant.

7 different sizes of crushed and screened marble is produced -- viz.

#4	-	1/2" to 1"
#3	-	3/8" to 1/2"
#2	-	1/4"
#1	-	1/8"
#0	-	like sand
#16	-	slightly finer than plaster sand
#30	-	like flour

Marble is sacked in 100# paper bags.

Marketing & Uses: The finished marble, Sizes #4, #3, #2, & #1, is sold to the different
contractors and roofing companies in Tucson and the immediate area, for use as roofing
chips. Smaller amounts, of these sizes, are also used for terrazo chips, patios and
walks.

Sizes #0 and #30 are used by contractors and builders for mixing with cement in the
construction of swimming pools and concrete floors, and also in manufacture of marble
blocks.

Size #16 is used in plaster.

Selling Prices:

- (1) At plant - \$1.00 per 100 lb. bag
- (2) Delivered in Tucson -
 - Less than 60 bags - \$ 1.25 per bag
 - 60 bags or over - 1.00 per bag

All sizes sold at same price.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Sierrita Marble Products Quarries Date Feb. 9, 1957
Crushing and Screening Plant
 District Papago Mining District --- Pima County Engineer Axel L. Johnson
 Subject: Field Engineers Report.

Location For the quarry ---- Take the Ajo Road, # 86, from Tucson to Three Points. Turn left at Three Points (Robles Ranch) and drive 14 miles south on the Three Points-Sasabe Road. Turn left and drive 8 miles east on private mine road.
 For the crushing and screening plant ---- Drive to Three Points, as described, and turn right at Three Points. Plant is located about 1/8 mile north of Three Points.

Number of Claims 7 unpatented placer claims.

Owner of Claims Mike Serasio, East Ft. Lowell Road, Tucson, Ariz.
 Joe Cordella, Tucson, Ariz.

Lessees and Operators Sierrita Marble Products, R. O. Classon, Owner,
 4025 E. Third Street, Tucson, Ariz.
 Royalty of 50 cents per ton on mine production.
 R. O. Classon, Plant Superintendent.
 Purchased plant from Hermosa Stone Co., the former operators.

Principal Product Crushed marble.

Present Mining Activity Production of 10 to 15 tons per day of white marble, quarried and treated at the mill. Hope to expand production later. 4 men employed.

Operations at the Quarry Open pit operations are conducted. After the marble is drilled and blasted, it is loaded into trucks and hauled a distance of 22 miles to the crushing and screening plant at Three Points. Only one quarry is worked at the present time, and only white marble is produced at present. Companies own trucks are used for the hauling to the plant. Production at present is from 10 to 15 tons per day.

Operations at the Crushing and screening plant. This plant has a capacity of 24 tons in 8 hrs., or 50 tons in 24 hrs. Plant consists principally of a 9" x 16" Tel-smith Crusher, 16" x 24" Rolls, a bucket conveyor, 5 screens of various sizes, 4 -- 3 1/2 cu. yd. ore bins, sacking and weighing equipment. The sizes of marble produced are (a) 1 1/4" to 1/2", (b) 1/2" to 1/4", (c) 1/4" to 1/8", (d) 1/8" to 20 mesh to be installed in the near future, and (e) minus 20 mesh to be installed later. Sizes (a), (b), and (c), as shown above, are the only sizes produced at the present time. Recovery is estimated by Mr. Classon to be about 65 %.

Marketing The Sierrita Marble Products sells marble to the different roofing companies in Tucson and the immediate area, who sell it to private users for roofing and terrazzo chips. Company also sells to private users of the product. Price is \$ 20.00 per ton delivered in Tucson in 100# paper sacks, with a minimum of 3 ton lots. Price is \$ 17.00 f. o. b. mill, with a 15 ton minimum.

Costs Costs are estimated by Mr. Classon as follows:

Mining Costs Royalty -- \$ 0.50 per ton; Mining -- \$ 2.00 per ton; hauling -- \$ 1.25 per ton or a total of \$ 3.75 per ton. Based on 65 % recovery, this amounts to \$ 5.77 per ton on the finished product.

Plant and marketing costs Processing -- \$ 5.00 per ton; Cost of sacks -- \$ 2.40 per ton
 Cost of delivery to Tucson --- \$ 3.00 per ton. --- a total of \$ 10.40 per ton.
 Total cost --- \$ 16.17 per ton by rough estimate.

References See report of Hermosa Stone Co. Plant under date of Aug. 4, 1954.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine : Hermosa Stone Co. Quarry and
Crushing and Screening Plant

Date Aug. 4, 1954.

District Papago Mining Dist., Pima Co.

Engineer Axel L. Johnson

Subject: Field Engineer's Report.

Location For the quarry -----Take the Ajo road, no 86 from Tucson to Three Points. Turn left at Three Points (Robles Ranch) and go 14 miles south on the Three Points-Sasabe Road. Turn left and go 8 miles on private road.

For the crushing and screening plant ----- Go to Three Points as described above. Plant is 1/8 mile north of Three Points.

Number of Claims 7 or 8 unpatented placer claims.

Owners of Claims ' Mike Serasio, East Fort Lowell Road, Tucson, Ariz.
' Joe Cordella, Tucson, Ariz.

Lessees and Operators ' Hermosa Stone Co., Inc., 2931 N. 1st Ave., Tucson, Ariz.
Leasing the quarry. Purchasing the crushing plant from former owner on contract.

Officers ' W. J. Horning, Foreman of quarry and crushing plant,
1618 W. Ajo Way, Tucson, Ariz.

Principal Product ' Marble roofing chips and terrazo chips.

Number of men employed 4 men including 1 truck driver.
Men have been working part time at the quarry and part time at the crushing and screening plant, as required.

Production Rate No definite production rate has been established, as the operation was just recently started by the Hermosa Stone Co. The product, marble ~~terrazo~~ roofing and terrazo chips, so far has been sold to the Tucson trade only. The company intends to ship their product to Phoenix and also out of state in the very near future. The amount of production would depend upon the sales of the product.

Operations at the Quarry Quarry is open pit. After blasting, the marble is loaded into trucks for hauling 22 miles to the crushing and screening plant. Company is purchasing a 3/8 yd. truck loader from the Western Machinery Co., Phoenix.

Operations at the Crushing and Screening Plant Product is crushed by means of a 9" x 16" Jaw Crusher to one inch, and then further crushed by 14" x 27" Rolls to about a minus 1/2 inch. It is then conveyed up by means of a Bucket Elevator to a Denver Dillon Screen. This screen separates the product into 4 different sizes ranging from 1/4 in. to 5/8 in. The sized product drops into 4 --- 3 yd. ~~ex~~ bins, one bin for each size. The product is drawn from the bins and sacked into 100 # burlap sacks for transportation to the plant in Tucson, a distance of 25 miles.

Grade and Varieties Product is a very good grade of marble, and ^{nine} ~~ten~~ different colors are found on the claims leased. These are white, green, gray, pink, yellow, black, buff, blue, and ox blood red. The three first named colors are now available for production.