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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LIGIER BLACK MARBLE QUARRIES

ALTERNATE NAMES:

DRAGOON MARBLE QUARRIES

COCHISE COUNTY MILS NUMBER: 93

LOCATION: TOWNSHIP 16 S RANGE 23 E SECTION 10 QUARTER S2

LATITUDE: N 32DEG 03MIN 15SEC LONGITUDE: W 109DEG 59MIN 03SEC

TOPO MAP NAME: COCHISE - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

STONE MARBLE

STONE SLATE

CALCIUM MARBLE

BIBLIOGRAPHY:

KEITH, S.B., 1973, AZBM BULL. 187, P. 64

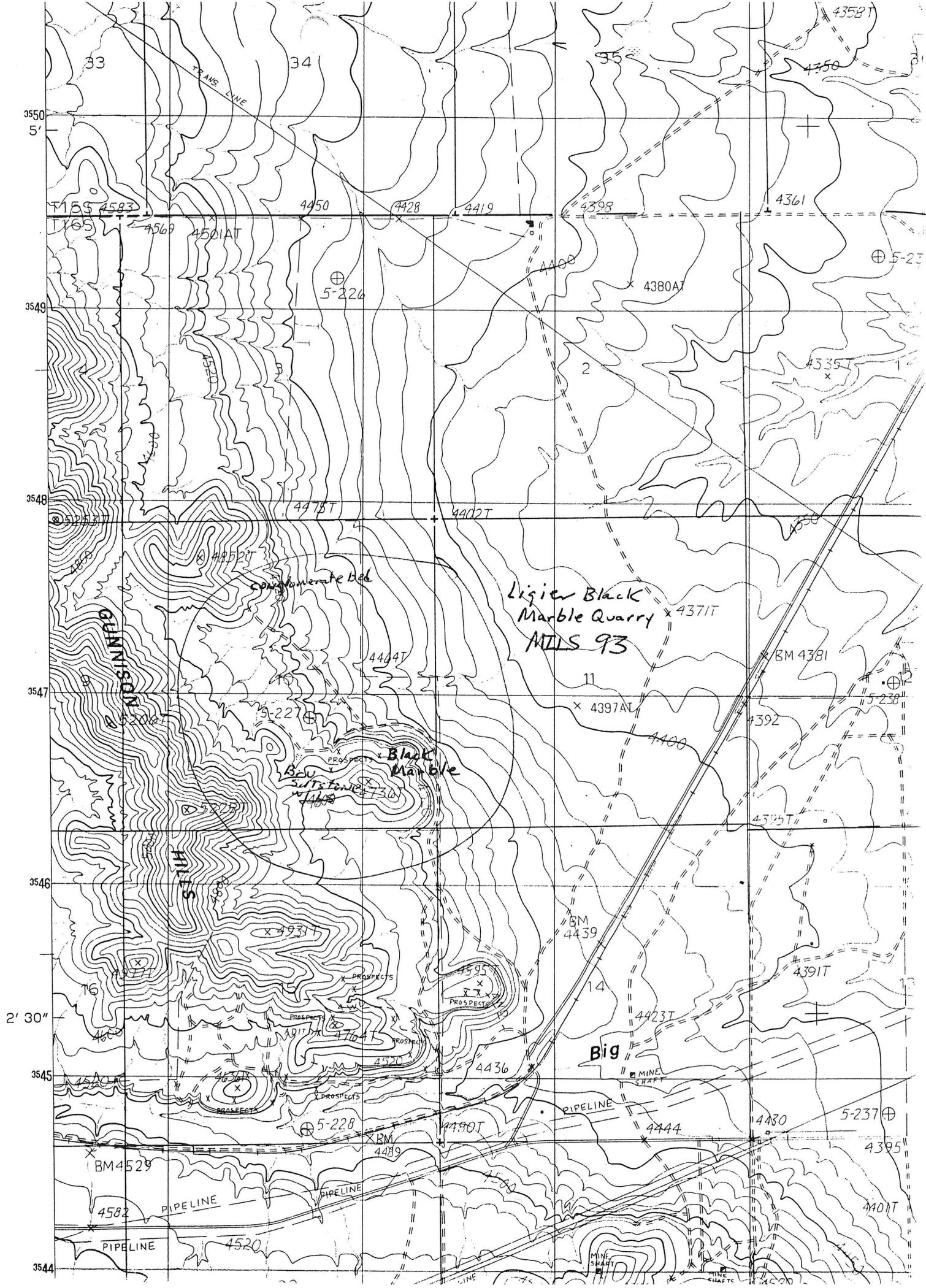
ADMMR LIGIER BLACK MARBLE QUARRIES FILE

RICHTER, D.H. ET AL, "MIN. DPSTS MAP OF SILVE
CITY 1 X 2 QUAD." USGS I-1310-B

AZBM BULL 155

GEO FILE - MIERITZ, RICHARD, 1970

BAIN, GEORGE W., 1963, MARBLE OCCURRENCES IN
THE DRAGOON PASS AREA, IN GEOL FILE



33

34

35

4350

3550
5'

4583

4450

4428

4419

4398

4361

3549

4569 4501AT

5-226

4380AT

4335T

3548

4475T

4402T

conglomerate bed

Ligier Black Marble Quarry MILLS 93

4371T

BM 4381

3547

5-227

4397AT

4392

3546

MUSKINGUM

MILLS

Black Marble

Sulfur

4400

4395T

2' 30"

4931T

BM 4439

14

4391T

3545

4520AT

5-228

4190T

Big

MINE SHAFT

4480

5-237

4395

3544

4582

PIPELINE

4489

4444

PIPELINE

4520

MINE SHAFT

MINE SHAFT

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

COCHISE County

DRAGOON

MILS #93

1-ACA

Liger Block MARBLE QUARRY #201

MM-306 Marble

1553 Wollastonite

1663 Hubnerite

MM 508 Scheelite (Massive)

MM 422 A thru N 14 Marble Specimens

NAME OF MINE: LIGIER MARBLE		COUNTRY: Cochise	
OWNER: D. G. Ligier, Dragon		DISTRICT:	
		METALS: Marble	
OPERATOR AND ADDRESS			
Date: 2/47	D. G. Ligier, Dragon		
MINE STATUS			
Date: 1/47	Shipping		

DEPARTMENT OF MINERAL RESOURCES

News Items 4400

Date 1-10-47

Mine Ligier Marble

Location 2 Harries

Owner

Address Marble

Operating Co. claims

Address Dlocor

Pres. Loustateland

Genl. Mgr. 806

Mine Supt. Sec 10

Mill Supt. T 16 S R 23 E

Principal Metals

Men Employed Skiffed & Coy

Production Rate 4000

Mill, Type & Capacity Dragon

Power, Amt. & Type

D. G. Ligier

Signed

(Over)

LIGIER MARBLE QUARRIES

Quarriers Of Fine Decorative Marbles

DRAGON, ARIZONA

Mr. Roger J. C. Manning
Dept. of Mineral Resources
Phoenix, Ariz.

March 25, 1949.

Dear Mr. Manning: -

This is a belated thanks for your letter of Mar 12 in which you forwarded a letter received in your office from a Mr. A. H. Hambrick of Hopeville Georgia in regards to onyx and marble produced in Arizona. I have written Mr. Hambrick.

If sometime in the near future you are in this district, we would appreciate seeing you again.

We hope in the very near future to be producing Terrazzo chips, but of course one never knows when a deal may go sour. We have the man that wants to go into the business but it remains to be seen if he can finance a reasonably good crushing and sacking plant. There is a crying market for good

LIGIER MARBLE QUARRIES

Quarriers Of Fine Decorative Marbles

DRAGOON, ARIZONA

Nov 25-49

colored Teraygo chips and we can produce more colors of good marble than any other Teraygo producer in the U.S. They still import Teraygo chips because of the shortage of quality and colors in the U.S. Domestic chips sell from about $\$20.00$ to $\$35.00$ per ton F.O.B. quarry. It is quite possible that in a reasonable time we can sell a 40 ton car a day. One producer ~~sells~~ in Texas sells a car a day of inferior chips. We can place the finished product on the cars for about $\$12.00$ a ton. This leaves a net profit of $\$8.00$ up per ton. Now, in the event our present deal falls through, you may in your travels run into someone who wishes to get into a profitable business with out too large an investment (about $\$20,000.00$) Probably by the time you are in this district we will know definitely about our present deal and I can give you a more complete picture of the possibilities of the Teraygo business.

Thanks again for remembering us.

Best regards,

Very truly yours
D. G. Ligier

May 12, 1948

Mr. D. G. Ligier
Ligier Marble Quarries
Dragoon, Arizona

Dear Mr. Ligier:

We have your letter of recent date regarding financing your proposed expansion of the Ligier Marble Quarries. It is nice to know that you have had such good luck and that your product has turned out so well. I am sure that it will be a credit to the mining industry of this state.

At the present we have no inquiries regarding marble, but you may rest assured that we will present your proposition to any interested parties and keep your letter on file for information regarding the quarries and the financial needs of your enterprise.

With best wishes for your success.

Yours very truly,

RICM:mh

Roger I. C. Manning
Field Engineer

LIGIER MARBLE QUARRIES

QUARRIERS OF FINE DECORATIVE MARBLE

DRAGON, ARIZONA



Apr. 30, 1948.

Mr. Chas. H. Dunning
Dept. of Mineral Resources
State of Arizona
Phoenix.

Dear Mr. Dunning: -

In about January of 1947 we were honored by a visit here at our quarries at Dagoon by your Roger J. C. Manning. At that time we told Mr. Manning that we were not ready to advertise and push our marbles until we were farther along in development. Our plan was to work along modestly until we had introduced several varieties of our highly decorative marbles to the trade. Owing ~~Owing~~ to the time it takes to introduce a new marble, the great difficulties in financing a new marble development, and knowing from past experience, how easily one can become involved in the courts by claim jumpers and unscrupulous promoters, we reasoned that by working the property and putting some of our marbles on the market, we would protect the property while proving

LIGIER MARBLE QUARRIES

QUARRIES OF FINE DECORATIVE MARBLE
DRAGOON, ARIZONA

Chas. Drumming

Apr 30 1948

to the trade, the quality and desirability of our marbles.

We brothers, three and sometimes four of us have worked steadily since Nov. 1945 opening up four quarries and shipping merchantable marble by car loads to Los Angeles, St. Louis Mo., Catheage Mo. Kansas City Mo. and New York.

Of course we did not figure to make money with our modest equipment until the marble was thoroughly introduced and we could equip our quarries properly. We have accomplished our aims to gratifying satisfaction and now must take the second step of satisfactory financing. This is where we thought the help and advice of your department would be of great assistance to us. We could seek capital out of the state, but we know that this is someday going to be the marble producing capital of the world, and it seems logical that Ariz. capital should finance and derive the benefits of an industry that Arizona will someday be famous for.

These are the only known properties where many varieties of the highest quality

Chas. Dunning

LIGIER MARBLE QUARRIES
 QUARRIERS OF FINE DECORATIVE MARBLE
 DRAGON, ARIZONA

Apr. 30, 1948.

decorative marbles can be found in quantity and these all being in a radius of about four miles. Practically all of the decorative marbles are imported, there not being a quarry in the United States to my knowledge producing a decorative marble that can compare with a dozen of our varieties. Our marbles are comparable to the best of the foreign marbles.

The most difficult problem in marketing a highly decorative marble is convincing the marble user and contractor of the soundness of the material and to be able to produce blocks of large sizes. Our marbles have proven to be of very satisfactory soundness and we can take out blocks of practically any size. We on several occasions having to split up blocks in order to handle them. We have shipped blocks 12 and 13 tons.

We are situated on the main line of the Southern Pacific Railroad. The farthest quarry being about 4 miles from a siding

4

LIGIER MARBLE QUARRIES

QUARRIES OF FINE DECORATIVE MARBLE

DRAGOON, ARIZONA

Chas. Dunning

Apr. 30, 1948.

We are practically one mile high, making an ideal all year working climate.

The marble industry has lasted for centuries and will never be replaced by artificial means, as nature's colors can not be reproduced.

The most satisfying result of our enterprise so far, is the reaction of the largest marble producers, users and importers of this country. On seeing our blocks and polished slabs at the marble Institute Convention ^{at Coathage Mo} last Oct., executives of Vermont Marble Co., Alabama Marble Co., Georgia Marble Co., Coathage Marble Corp. Tennessee Marble Corp., Gray Knox Marble Corp. of Knoxville Tenn., Appalachian Marble Corp. besides many of the largest fabricators and contractor to a man highly praised our the beauty of our marbles and predicted they ~~so~~ undoubtedly would sell.

Colonna + Co. Inc. of New York, importers and wholesalers and quarry owners are our agents. Mr. B. A. Colonna is president of the

Chas Dunning

LIGIER MARBLE QUARRIES
QUARRIERS OF FINE DECORATIVE MARBLE
DRAGON, ARIZONA

Apr, 30, 1948

corporation. They are the owners of ^{the} Colorosa
Trovantine quarries at Canon City, Colorado.
Mr. Colonna has spent a great deal of time
in Europe buying Foreign marbles and
has seen virtually all of the quarries
of any importance in the world. I per-
sonally had him tell some of the largest
marble producers of this country that
someday they would see the decorative
marble producing ~~de~~ center of the world
at Dragoon Ariz.

Another attractive feature in this enterprise
is the possibilities in using our waste. The
Terryzo business is a growing industry and
there is a good market for Terryzo chips,
especially on the west coast where we have
the advantage of lower freight rates. Much
of the Terryzo chips are shipped from the
East and some colors are even imported.
The novelty industry which uses highly
colored marbles for lamp stands, table

Chas Dunning

LIGIER MARBLE QUARRIES

QUARRIES OF FINE DECORATIVE MARBLE

DRAGOON, ARIZONA

Apr 30, 1948

tops, ink well sets, ash trays etc, is a natural for us as we could use our small blocks and boulders that are too small to ship to the marble trade. Our marble is of high calcium carbonate content and there are many uses for Calcium Carbonate products.

I have given you a few of the highlights on our undertaking and will give you more at a later date if you wish. This proposition is real and not a dream. My father discovered these deposits in 1909 and the reasons these properties are not now developed are a series of litigation, wars and depressions. My father was the discoverer of the Colorado Yule marble deposits at Marble Colo., some of which marble was used to build the Lincoln Memorial in Washington D. C. He also discovered and sold the old Bowie Quarries at Bowie Ariz. In about 1913 he refused \$250,000. for controlling interest in the Dragoon properties to a British syndicate.

Four of us boys were born in Mesa and Phoenix. My father had a monument shop in Phoenix for many years. The families

Chas Dunning

LIGIER MARBLE QUARRIES

QUARRIES OF FINE DECORATIVE MARBLE

DRAGOON, ARIZONA

Apr. 30, 1948.

except for my father and two brothers moved to Calif in 1910. My father and ^{two} two brothers moved to Dragoon and there has been at least one of us here since that date. Our father and mother have both passed on and we five brothers ~~are~~ with our families are all back at Dragoon ~~to D~~ in our native state. So you see there is a loyalty to our state which inspires us to seek capital here first.

We will be very grateful if you will give this letter some serious thought as to your opinion if a venture of this magnitude could be successfully financed in Arizona. Of course the larger the capital the quicker success as eventually there will have to be a large mill for sawing and polishing besides equipment at several quarries. The ideal situation would be a few large investors with good executive ability. The properties could be successfully opened up on a lesser scale, say around 100,000 to 200,000 but from 200,000.

8

LIGIER MARBLE QUARRIES

QUARRIERS OF FINE DECORATIVE MARBLE

DRAGON, ARIZONA

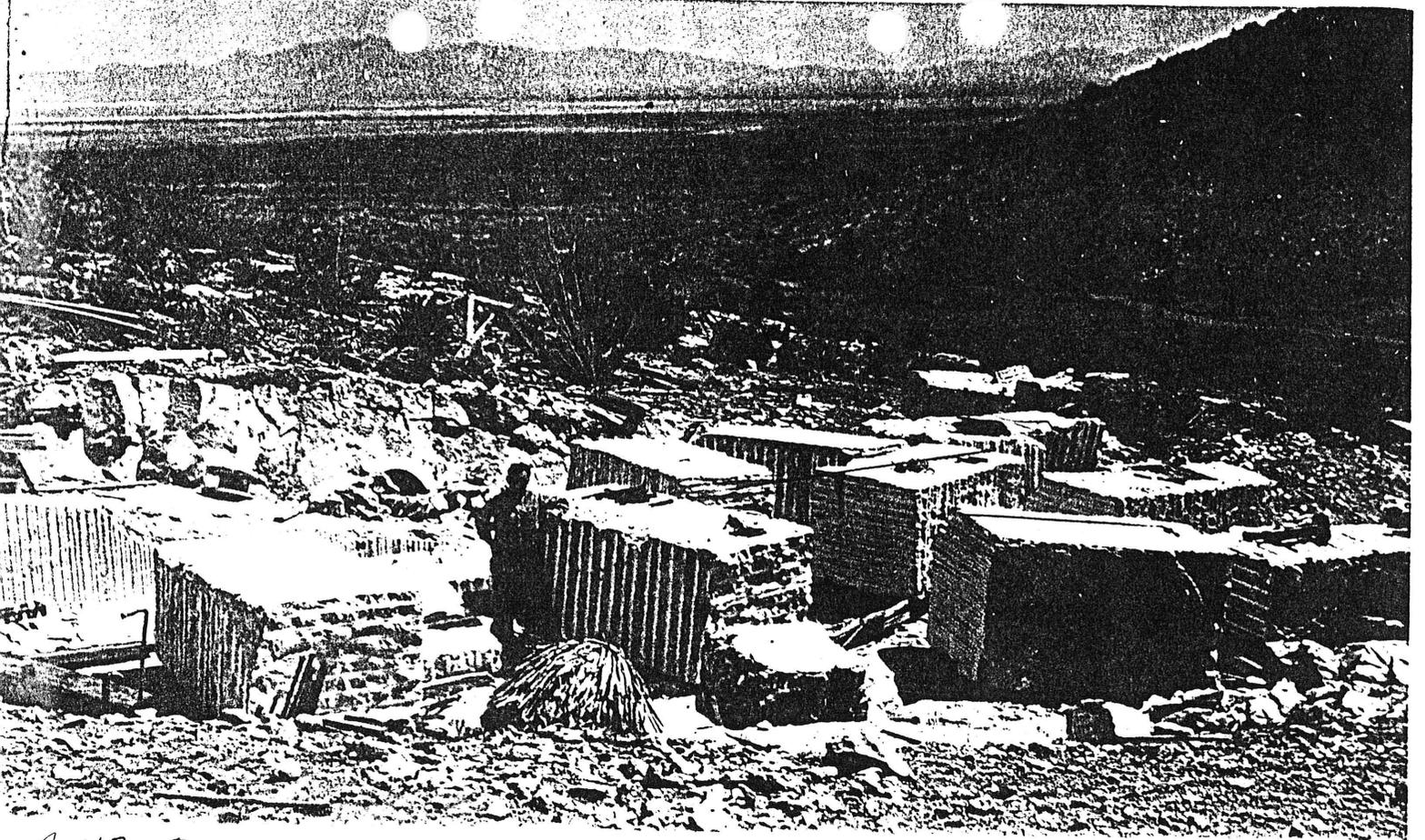


Apr. 30, 1948.

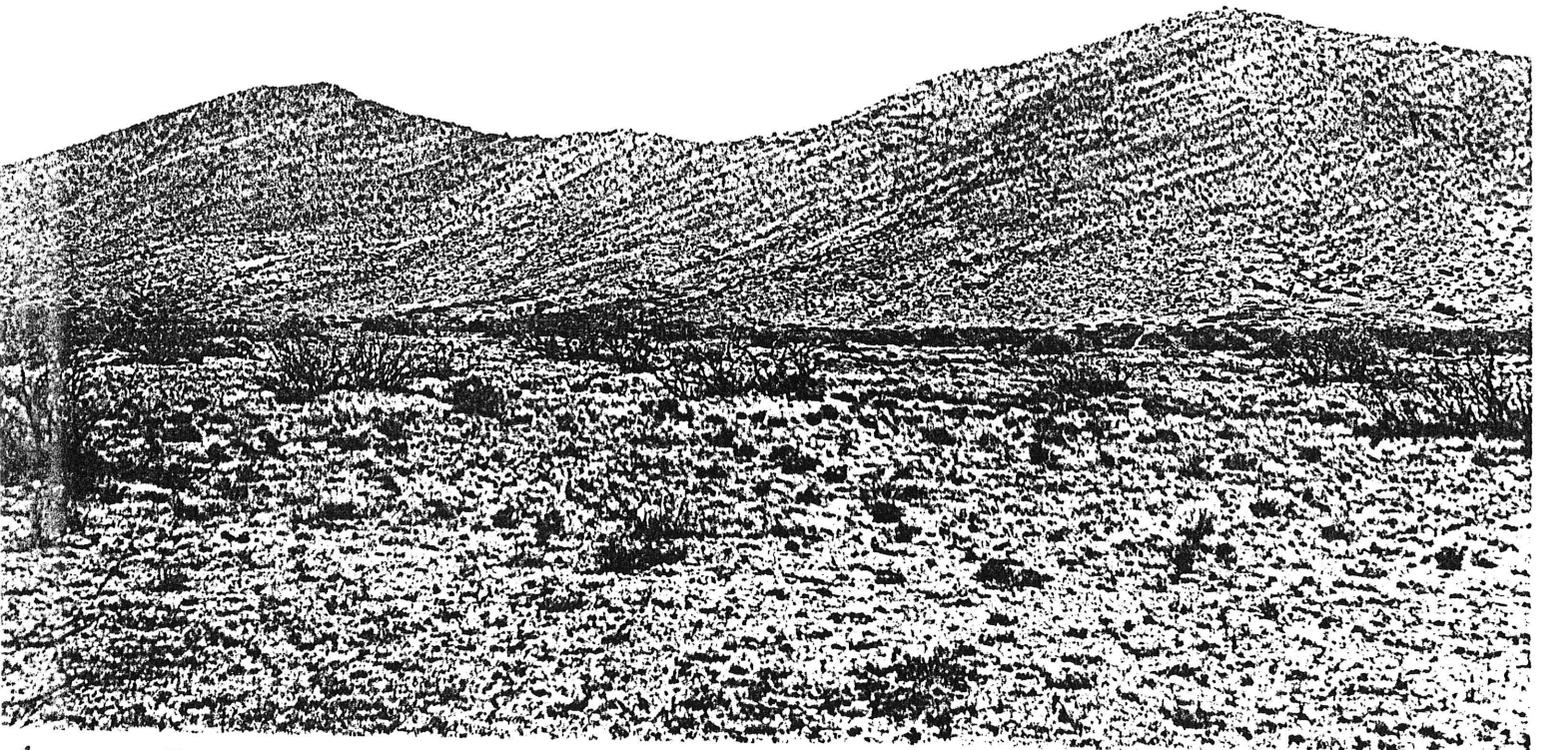
up is more desirable. We have not con-
tacted the Ariz Chamber of Commerce or any
other source for contacts as yet, being con-
tent to get your reactions first. I plan on
coming to Phoenix in the near future
to talk to you and the Chamber but would
appreciate an answer from you with your
reactions at an early date. We really don't
know too much about financing problems,
so a brief outline of any plans you think
may be carried out would sure help. We
realize we are asking for a lot of your
time and effort but we do feel that a
successful new industry will be of
great benefit to the state as well as to
ourselves.

Thanking you for any efforts in our
behalf, I am,

Very truly yours
Ligier Marble Quarries
D. G. Ligier



A-112-2



A-112-3

LIGIER MARBLE QUARRIES

COCHISE COUNTY

HEM WR 8/6/88: Several of the Ligier Marble quarry sites in the Gunnison Hills were visited in order to correct the Cochise County MILS data. The Ligier Black Marble Quarry (file) Cochise County at the SE $\frac{1}{4}$, Sec 10, T16S R23E is apparently in the Permian Colina limestone. Black weakly marbled limestone with white calcite stringers or stylolites occurs as beds up to several feet thick which have been quarried as large dimension stone blocks. The rock polishes well and appears to be quite sound and resistant to weathering. The potential to develop a large reserve of black marble at this site is good. Prospects to the west about 1000 feet explore a brown or tan indurated mudstone, common variety, once used in landscaping. A prospect in the NW quarter of Section 10 is a red chert pebble conglomerate enclosed within a limestone sequence, indicative of the Earp Formation. It is doubtful that any stone was produced from this prospect.

NJN WR 8/26/88: Mrs. Gallagher, 9814 S. 14th Avenue, Phoenix, Arizona 85041 268-0985, reported she was an investor for 1% of 3 properties promoted by Frank Dumich. The properties were the Ligier Marble Quarry (file) and the Commonwealth (file) both of Cochise County, and one called the Mexican Hat on which we have no information. Her investment was guaranteed by a promissory note assigned to a trust account held by the Valley Bank. At a point when she felt she should have had a return on her investment she contacted Mr. Dumich and he promised to return her money. The Valley Bank reports the trust account is closed. Mr. Dumich is no longer involved in operations at the 3 properties or to be found.

DRAGOON MARBLE QUARRIES

COCHISE COUNTY

MG WR 4/5/85: The Ligier marble quarries (Cochise County) were re-opened as of March 21, 1985. Mr. Jim Chapman, Dragoon Marble Corp, P O Box Pearce , Arizona 85625, is the superintendent.

NJN WR 4/11/86: Frank Dumich (c) reported that he and Bob Bliss (c) have signed a lease/purchase agreement with the Ligier Estate covering the Dragoon Marble Quarries (f) in Cochise Co. They will be providing marble chips for use in making terrazzo. Sierra Marble Inc. will be the name of their corporation.

KAP WR 8/28/87: Richard G. Bull, Bliss Management, Tempe, arizona, phone 948-7927 was in for information on the Dragoon Marble Quarries (file) Cochise County. Mr. Bull was searching for early historical data on the property. He said there is a rumor that marble from the deposit was used in constructing the Lincoln Memorial in Washington DC and he was trying to find something to verify the rumor. He also said that Bob Bliss has acquired a right to the property and hopes to produce crushed marble for terrazzo.

KAP WR 1/15/88: A copy of an article from the January 10, 1963 issue of the Holyoke (Mass.) Transcript - Telegram newspaper was provided which discussed the Ligier Marble Quarry (Dragoon Marble - file) Cochise County. It states that the Lincoln Memorial marble did not come from the Ligier Quarry as had been suggested by an office visitor, but instead came from Mr. Ligier's Yle Quarry at Marble, Colorado.

MG WR 2/26/88: Mr. John Taylor of the State Mine Inspector's Office reports that he received a start-up notice for the Ligier Marble Quarry (file) Cochise County. He did not remember who the operator is.

NJN WR 4/15/88: Dale Tapia, FF Ranch, Dragoon, arizona 85609, reports that he owns the Godfather 1-4 claims that cover a portion of the Dragoon Marble Quarry (file) Cochise County. He reports he has been selling dimension marble for use in fireplaces.

DRAGON MARBLE QUARRIES

COCHISE COUNTY

Visited the Mill site of Dragoon Marble Quarries. Trucks were hauling off the last bit of equipment that had been sold at auction the previous week. Informed that the claims had reverted to Mr. Ligier of Dragoon.

GWI WR 3/5/66

First Dragoon marble quarry - located on the south side of the Dragoon River, about 1/2 mile south of the town of Dragoon, Cochise Co., Arizona.

It has been reported that the Imperial Investment Corporation of Hallandale, Florida has purchased the Dragoon Marble quarry from D. G. and Mary Ligier of Dragoon.
GWI Quarterly Report 9/1969

Obtained information from Vernon Dale that the Dragoon Marble property in Cochise Co. belonged to E.G. Ligier who recently passed away. An attorney, Margaretto Jennings, is handling the estate. The property was leased to Rusty De'Zonia, a local Dragoon area rancher for two years, which has about lapsed. There is reportedly both a marble deposit and a limestone deposit along with a 40 acre plant site with railroad siding involved in the package. KAP WR 1/19/76

Two of the old Ligier marble quarries (Dragoon Marble file) on forest lands in Wood Canyon south of Dragoon a few miles (Secs. 28, 33, T16S R23E) are again in production
VBD WR 9/8/76

The Marbella Company mining rose-colored marble at the Ligier Quarry near Dragoon.
GWI WR 10/22/76

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Dragoon Marble Quarries Date Oct. 8, 1963
 (formerly Ligier Ariz. Marble Quarries)
District Dragoon District, Cochise Co. Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Archie Durham & personal visit.

References Report of March 13, 1963, and previous.

Present Activity Quarrying marble and crushing and screening same at their plant. 8 men working, 3 men at the plant, 3 at the quarries, and 2 men on construction and repairs. Production now about 120 tons per week. Construction work on additions and changes of mill equipment is now also being done.

Plant Equipment The crushing and screening plant has recently been improved and enlarged, as follows:

- (1) Construction of 3 storage bins for storing marble, each been being 20' x 30' x 6' deep of concrete construction (see report of Mar. 13, 1963)
- (2) Installation of new set of screens.
- (3) Installation of cyclone dust collector.
- (4) Construction of 30 ton crude ore bin.
- (5) Installation of new jaw crusher.

Future Plans Another set of screens, as well as other additions to the plant equipment will be added; and all of the plant equipment will be rearranged and connected with a number of additional conveyor belts. This work will be done gradually, and at times which will not interfere with the normal production of the plant.

Markets The markets for the product are being gradually expanded, and the production is now about double of what it was last spring. New markets are expected to include Los Angeles and the west coast in the near future.

Prices Terrazo chips are practically the same as the price list which accompanied Feb. 10, 1961 report. Roofing chips, however, have now been dropped in price to \$ 13.00 per ton for white, and \$ 17.00 per ton for colored.

10/163-8

Visited Dragoon Marble Quarries - no significant changes.

ALJ WR 11/14/64

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Dragoon Marble Quarries
(formerly Ligier Arizona Marble Quarries)
District Dragoon District, Cochise Co.

Date March 13, 1963

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Archie Durham, Frank I. Owenby, G.F. Randolph.

References: Report of Ligier Arizona Marble Quarries of Jan. 11, 1962 and previous reports. Memorandum - Dec. 17, 1962.

Number of Claims: 17 claims on State land, covered by State leases.
13 unpatented claims on Federal land.

Owners & Operators: Dragoon Marble Quarries, Inc., Box 37, Dragoon, Ariz.,
Tel. 586-2649 or after 6:00 P.M. 586-2664.
Frank I. Owenby, Manager, Box 37, Dragoon, Arizona.
Archie Durham, Plant Superintendent.

The present owners purchased the property from Ligier Arizona Marble Quarries, Inc. about Dec. 13, 1962, and organized a new company called Dragoon Marble Quarries, Inc., (a closed corporation). Following are the officers of the company:

Larry D. Lewis, President, 209 Page Blvd., Springfield, Mass.
Frank I. Owenby, Vice Pres. & Gen. Mgr., Box 37, Dragoon, Ariz.
George Frederick Randolph, Secretary-Treasurer, 2701 N. 7th Ave.,
Phoenix 7, Arizona.

Present Activity: Quarrying marble and crushing and screening same at their plant. 5 men working - 3 men at the plant and 2 men at the quarries. Production about 60 tons per week. Also construction of concrete storage bins, and mill improvements.

Varieties of Marble Produced: Marble of 11 different colors in 8 different sizes as shown in report of April 14, 1960.

Plant Equipment: The crushing and screening plant will be improved and enlarged as follows:

- (1) Construction of 3 concrete storage bins, for storing crushed marble, each bin being 20' x 30' x 6' in depth. This work, as of this date, was almost finished.
- (2) Installation of a new set of screens in order to do a better job of screening out the fines (fines will be sold as plaster sand for swimming pools).
- (3) Relocation of jaw crusher & hammer mill.
- (4) Installation of larger jaw crusher (20" x 36") to increase mill capacity.

Markets: Company, besides the local Arizona sales to Tucson and Phoenix, expects to sell marble to the West Coast for use as terrazzo chips and in prefabricated concrete slabs.



STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX 7, ARIZONA



Tucson, Arizona,
Dec. 17, 1962

MEMORANDUM

To: Frank P. Knight, Director
From: Axel L. Johnson, Field engineer
Re: Ligier Arizona Marble Quarries plan for Reorganization.

On Dec. 13, 1962, Mr. Frank I. Owenby, Box 37, Dragoon, Ariz. informed me viz.:

(1) That he, Mr. Owenby, had purchased the interests in the company formerly held by Mr. D. G. Ligier.

(2) That he, Mr. Owenby, is now acting as General Manager of the Ligier Arizona Marble Quarries.

(3) That some of the other owners in the company will continue to hold their respective interests in the company.

(4) ~~That~~ That a meeting will be held next Monday, Dec. 17 of all persons retaining an interest in the company for the purpose of reorganization, at which time officers will be elected, and plans for operation will be made.

(5) That plans are being considered for extensive increases in operation, but there is nothing definite before after the Reorganization meeting to be held on Dec. 17.

Engineer will contact Mr. Owenby again about Jan. 16, and submit a report following this interview.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Ligier Arizona Marble Quarries, Inc. Date January 11, 1962
District Dragoon District, Cochise County Engineer Axel L. Johnson
Subject: Field Engineers Report. Information from D. G. Ligier

References: Reports of June 9, 1961, Feb. 10, 1961, April 14, 1960 and previous.

Present Activity: Quarrying marble and crushing and screening same at the plant. 4 men working, 5 days per week. Average production about 1,000 sacks or 50 tons per week.

Varieties of Marble: Same as report of April 14, 1960.

Plant Equipment & Operation: Mr. Ligier reports that the company has installed a Hammer Mill in place of Rolls to take care of the secondary crushing. This he states is more economical to operate on account of it being faster and requires less maintenance cost. However, it produces a little more minus 1/8" material (#0 size), which are sold at lower prices than the larger size materials.

The plant equipment and operation, otherwise, is the same as shown on my report of April 14, 1960.

Prices & Markets: Prices are as per price list effective Feb. 15, 1961.

Mr. Ligier reports that he has recently sold a considerable amount of blue terrazzo chips to Sears Roebuck & Co. for use in their new building being erected in Phoenix. He also anticipates another large order from the Reliable Roofing Co. in Phoenix.

He also states that, on account of keen competition from other marble producers, he is not selling as much roofing chips as formerly, but his sales of terrazzo chips have increased proportionally, his total sales remaining about the same as the past two years.

copy 10 - 1162 - 4 men working

DEPARTMENT OF MINERAL RESOURCES

**STATE OF ARIZONA
FIELD ENGINEERS REPORT**

Mine Ligier Arizona Marble Quarries, Inc. Date June 9, 1961
District Dragoon District, Cochise County Engineer Axel L. Johnson
Subject: Present Status. Information from D.G. Ligier

References: Report of Feb. 10, 1961, April 14, 1960 and previous.

Present Activity: Quarrying marble and crushing and screening same at the plant. 3 men working, 5 days per week. Average weekly production about 800 sacks or 40 tons per week. This is about 2/3 of last years average production.

Varieties of Marble Produced: See report of April 14, 1960.

Plant Equipment & Operation: Same as shown on report of April 14, 1960.

Prices and Market: Same as shown on April 14, 1960 report. Prices as per price list effective Feb. 15, 1961.

This property active 10, 1961

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine ^v Ligier Arizona Marble Quarries, Inc. Date Feb. 10, 1961
District Dragoon District, Cochise County Engineer Axel L. Johnson
Subject: Present Status. Information from D. G. Ligier

References Report of April 14, 1960 and previous reports.

Present Activity Quarrying marble and crushing and screening same at the plant.
Mr. Ligier reports very little production at the present time. 2 men are working part time. Mr. Ligier expects increasing demands for his products in a short time, and expects to increase production and working force when that occurs.

Varieties of Marble Produced See report of April 14, 1960.

Plant Equipment & Operation Same as shown on report of April 14, 1960.

Prices and Markets Markets same as shown on April 14, 1960 report.
A small increase in price has been made on some of the products, effective Feb. 15, 1961. Enclosed herewith is the new price list.

LIGIER-ARIZONA MARBLE QUARRIES, Inc.

BOX 32, DRAGOON, ARIZONA

D. G. Ligier — Res. Ph. Benson, Ariz., Juniper 6-2517

TERRAZZO MARBLE CHIP PRICE LIST

EFFECTIVE FEB. 15, 1961

	No. 0	No. 1 & 2 Mix	No. 1	No. 2	No. 3 & Venetian Mix
DRAGOON BLACK	\$20.00	\$24.00	\$28.00	\$24.00	\$35.00
DRAGOON GREEN	\$20.00	\$24.00	\$28.00	\$24.00	\$35.00
DRAGOON MEDIUM GRAY	\$20.00	\$24.00	\$28.00	\$24.00	\$35.00
DRAGOON MAROON GRAY	\$20.00	\$24.00	\$28.00	\$24.00	\$35.00
DRAGOON PINK	\$20.00	\$26.00	\$30.00	\$26.00	\$35.00
DRAGOON RED FLEURI	\$20.00	\$28.00	\$32.00	\$28.00	\$35.00
DRAGOON WHITE	\$20.00	\$22.00	\$26.00	\$22.00	\$35.00
DRAGOON YELLOW	\$20.00	\$28.00	\$32.00	\$28.00	\$35.00
DRAGOON YELLOW SIENNA	\$20.00	\$28.00	\$32.00	\$28.00	\$35.00

1. All chips sacked in burlap sacks
2. Minimum & maximum truck loads — 20 tons to 22½ tons
3. Terms — 30 days
4. All Prices F. O. B. Dragoon, Arizona

All agreements are contingent upon and subject to strikes, delay of carriers, quarry conditions, and other causes beyond our control. All quotations subject to change without notice, and do not include state or federal sales tax.

Being a product of nature, marble can not be guaranteed for uniformity of color, texture or chemical analysis.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Ligier Arizona Marble Quarries, Inc.

Date April 14, 1960

District Dragoon District, Cochise County

Engineer Axel L. Johnson

Subject: Mine Report. Visit to crushing plant & information from D. G. Ligier.

Location, Number of Claims, Owners: See reports of July 22, 1958, Oct. 11, 1955 and July 22, 1958.

Products Produced: Marble produced in 8 different sizes and 11 different colors.

Present Activity: Quarrying marble and crushing and screening same at the plant. Average weekly production is reported as about 1200 sacks, or 60 tons per week. The capacity of the crushing and screening plant is about 25 tons per 8 hour shift. The plant is operated from 2 to 3 days per week. Remainder of the time is spent working in the quarries. 6 men are employed working 5 days per week.

Varieties of Marble Produced: (1.) Varieties as to color. - The company has 10 quarries opened up, containing marble of 11 different colors. These quarries are worked intermittently, as the demand for each particular color requires it. The different colors are White, Pink, Red Fleuri, Medium Gray, Maroon Gray, Black, Green, Yellow, Yellow Sienna, Lilac and Cream.

(2.) Varieties as to Size. - 8 different sizes are produced, 4 of which are direct screen products, and the other 4 obtained by mixing the various sizes for each particular use.

The different sizes are:

#0 size - 1/16" to 1/8"	Venetian Mix - 3/8" to 1 1/2", mixed to specs.
#1 " - 1/8" to 1/4" (Terrazzo Chips)	Roof Chips - sizes #1 & #2 mixed
#2 " - 1/4" to 3/8" (Terrazzo Chips)	Roof Chips - 3/8" to 1 1/4" (also called #4 size)
#3 " - 3/8" to 1/2" (Roof Chips)	Roof Chips - 3/8" to 1 1/2" (also called #5 size)

Occasionally some 2 1/2" to 4" size marble is sold for use on roofs. No block marble is produced or sent out for cutting.

Plant Equipment: Same as July 22, 1958 report, except that 6 ft. was added to the width of the storage shed in 1959. Storage shed is now 24 ft. x 116 ft. in size.

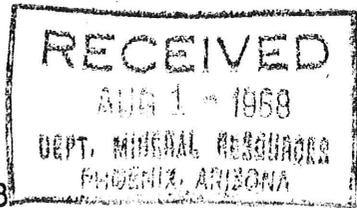
Plant Operation: Same as July 22, 1958 except that stocks on hand are now 6,000 sacks of all sizes mentioned above.

Markets for the Product: The principal uses for the product are Terrazzo Chips and Roofing Chips. Minor uses are for plaster sand and for application on walks and patios. The marble is sold f.o.b. Dragoon at the following prices:

#1 Terrazzo Chips (1/8" x 1/4")	-	\$ 1.30 per 100 lb. bag
#2 " " (1/4" x 3/8")	-	\$ 1.10 " " " "
Venetian Mix (3/8" to 1 1/2")	-	\$ 1.75 " " " "
#0 size	-	\$ 1.00 " " " "
Roof Chips	-	variable price according to size.

Very rarely is any sold in bulk. Marble is all shipped out by truck.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Ligier Arizona Marble Quarries, Inc.

Date July 22, 1958

District Dragoon District, Cochise County

Engineer Axel L. Johnson

Subject: Mine Report. Visit to crushing plant & information from D. G. Ligier.

Location Quarries are located in the Dragoon Mts., SE of Dragoon. The crushing and screening plant is located about 3 miles east of Dragoon and just south of the railroad. The quarries are from 1/2 mile to 4 miles from the crushing plant, most of them being about 3 miles from same.

Number of Claims See report of Oct. 11, 1955

Owners Ligier Arizona Marble Quarries, Inc. ---- a closed corporation. Principal stockholders reported to be D. G. Ligier, W. L. Ligier, and W. S. Fulton of Dragoon, and James Greenwood of Benson. President is Victor Shaver, Willcox, Arizona. Secretary-Treasurer is D. G. Ligier, Box 32, Dragoon, Arizona. Owners operate both the quarries and the crushing plant and sell the products from same.

Product Produced Marble in 6 different sizes and 10 different colors.

Present Activity Quarrying marble and crushing and screening same at the plant. Average weekly production is reported by Mr. Ligier to be about 50 to 75 tons per week. The capacity of the crushing and screening plant is about 25 tons per 8 hour shift. The plant is operated 2 or 3 days per week. The remainder of the time is spent in working in the quarries. 5 to 7 men are employed, working 5 days per week (day shift).

Varieties of Marble produced

(1) Varieties as to color The company has 10 different quarries opened up, ready for production as the demand for the particular color requires it. Each of these quarries produces a different color. The different colors are: ---- White, Pink, Red Fleuri, Medium Gray, Maroon Gray, Black, Green, Yellow, Yellow Sienna, and Lilac.

(2) Varieties as to size The crushing and screening plant produces 6 different sizes of marble, as the demand requires it. The different sizes are: ---- 1/8 to 1/4 in (terrazo size); 1/4 to 3/8 in. (terrazo size); 3/8 to 1 1/8 in. (terrazo size - Venetian mix); 1/8 to 3/8 in (Roof chips); 5/8 to 1 1/2 in. (Roof chips) 1/16 to 1/8 in. (plaster sand. Besides these 6 sizes, a small amount of 2 1/2 to 4 in. product is prepared for use on roofs. No block marble is produced.

Mining Equipment & Trucking Equipment

- (1) Bulldozer and skip loader for work in quarries.
- (2) 2 trucks for hauling the marble to the plant.
- (3) 4 -- 5 ton trucks for miscell. uses.

Plant Equipment

- (1) 1 - 12" x 20" Jaw Crusher
- (2) 1 set - 18" x 24" Rolls
- (3) 1 set - 3' x 6' double deck screens
- (4) 1 set - 4' x 8' triple deck screens (sizes of screens can be changed as reqd)
- (5) 1 Bucket elevator
- (6) 2 conveyor belts.
- (7) Crude ore bin
- (8) 4 storage bins
- (9) 1 - 18' x 116' storage shed and warehouse.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Ligier Arizona Marble Quarries (con'ty) Date July 22, 1958
District Dragoon District, Cochise Co. Engineer Axel L. Johnson
Subject: Mine Report (continued from page 1)

Plant Equipment (continued)

The new crushing and screening plant, consisting of the equipment listed ~~above~~ on previous page, was installed in April, 1958. The capacity is about 25 tons per 8 hour shift, of marble products.

The storage shed and warehouse (18' x 116') was built in May, 1958.

Plant Operations The marble rock is hauled from the various quarries, and dumped into the crude ore bin. A conveyor belt takes it from this bin to the jaw crusher. Another conveyor belt brings the crushed product to a bucket elevator. This elevator takes it up through the screens. The oversize from the screens goes to a set of rolls, and the various sizes going through the screens goes into the 4 storage bins (one bin for each of 4 different sizes.) The rolls drop the crushed product into the bucket elevator, which takes it back to the screens again. From the storage bins, the marble product is sacked in 100# burlap bags, which are stored in the storage shed, awaiting shipment to purchasers. Stocks on hand are now about 4,500 sacks of various colors and sizes. Very rarely is any sold in bulk.

Markets for the product The principal uses for the product are Terrazo Chips and Roofing Chips. Minor uses are for plaster sand and for application on walks and patios. The marble is sold f. o. b. Dragoon. The price obtained is generally \$ 1.00 per 100 lb. bag or \$ 20.00 per ton for all sizes except the # 0 size (1/16 to 1/8 in.), which is sold at ~~\$ 10.00~~ \$ 10.00 per ton in bulk for plaster sand and for walks and patios.

Proposed Plans Operators plan on enlarging the storage shed and warehouse, making it about 50 ft. longer, in order to add to the storage capacity. Storing the product in burlap sacks will be continued.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Ligier Arizona Marble Quarries, Inc. Date Oct. 11, 1955
District Dragoon District ---- Cochise Co. Engineer Axel L. Johnson
Subject: Mine Report. Visit to crushing plant & information from D. G. Ligier.

Location Quarries located in the Dragoon Mts., southeast of Dragoon, Ariz. The crushing and screening plant is located about 3 miles east of Dragoon and just south of the railroad. Quarries are from 1/2 mile to 4 miles from the crushing plant, most of them being about 3 miles from same.

Number of Claims 13 placer claims of 160 acres each, or total of 2080 acres owned outright by the company.
 120 acres placer claim leased from Alfred Paul, Jr., Paul Spur, Ariz.
 4 lode claims leased from the State of Arizona.
 Commercial lease for the plant site, leased from the State of Ariz

Owners Ligier Arizona Marble Quarries, Inc.-----a closed corporation.
 Principal stockholders in the corporation are reported to be
D. G. Ligier, W. L. Ligier, and W. S. Fulton, Dragoon, and James Greenwood, Benson, Ariz.

Operators Same as above.

Officers President ----- D. G. Ligier, Box 32, Dragoon, Ariz.
 Secretary-Treas.----- James Greenwood, attorney, Benson, Ariz.

Product Produced Marble in 5 different sizes, ranging from 1/16 in. to 1 inch.

Number of Men Employed At present, only 1 man is working, taking care of the equipment, as the quarries and plant ^{are} temporarily closed down. When in operation, 4 men are employed, 2 at the quarries and 2 at the plant.

Production Rate At present, no production. Quarries and plant have been closed down for 10 days due to lack of capital to purchase required equipment, and also, to a certain extent, lack of orders for the product. When operating, the average production was about 45 tons per week (900 sacks of 100 lbs. each).

Varieties of Marble Produced See my report of May 6, 1955.

Plant Equipment The plant equipment consists, principally, of a 12 in. x 20 in. jaw crusher, and rolls; a set of screens, which screen the marble into 4 different sizes; a crude ore bin; a belt conveyor; and individual small bins for each product. There is no shed over the equipment, and no shed or storage bins for storing the finished product. The marble, at present is stored in 100 lb. capacity burlap bags piled out in the open, and these bags are rotting from the action of the weather and also from the chemical action of the product.

Plant Capacity Maximum capacity of the plant is rated at 15 tons per hour. Maximum production in one day of 8 hours has been about 100 tons. This production can, apparently, not be continued, except for a short time, due to a limited amount of mining equipment in the quarries, only one truck in use for hauling from the quarries to the plant, and lack of storage capacity for the product.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Page 2

Mine Ligier Arizona Marble Quarries, Inc.

Date Oct. 11, 1955

District Dragoon District ----Cochise Co.

Engineer

Subject: Continued from page 1.

Varieties of Product The following sizes of marble are produced:

0 Size-----from 1/16 in. to 1/8 in.

1 Size----- from 1/8 in. to 1/4 in.

2 Size----- from 1/4 in. to 3/8 in.

3 Size----- from 3/8 in. to 1/2 in.

5 Size----- from 1/4 in. to 1 in. mixed.

The following colors are produced in relatively large quantities --- green, red verona, white and cream. Lesser quantities of the following colors are produced-----pink, gray, purple and black opal. Additional quarries can be opened up, which can produce from 2 to 5 additional colors.

Slab marble and marble blocks have been produced to a small extent, and shipped to Carthage, Missouri and other places for finishing and polishing.

Markets for the Product The crushed marble is sold f. o. b. Dragoon to users of the product. The price obtained is generally \$1.00 per 100 lb. sack, or \$20.00 per ton for the #1, #2, and # 3 sizes, with considerably less for the # 0 size. Most of the product produced is used as Terrazo Chips and Roofing Chips, with a smaller quantity used as Chicken Grits. The # 0 size and smaller can be used in lime plants and cement plants, and for flux. Slab marble and marble blocks are used in the building industry. Dealers in the product are Hays Roofing Co., Phoenix, Ariz. and Stewart Roofing and Supply Co., Tucson, Ariz.

Stockpile on Hand Company has about 2,500 sacks of 100 # each piled up outside their plant.

Difficulties Encountered The company is unable, at present, to supply users of the product in sufficient quantities of the particular size and color desired, on the customary short notice given them. This is due, principally, to inadequate storage facilities for the product, and to a lesser extent to lack of sufficient mining and trucking equipment. Lack of capital has prevented the company from acquiring same.

Proposed Plans for Improvement As soon as capital can be obtained, the following improvements are planned.

(1) Installation of 20 storage bins for storing the product----
2 storage bins for each color, for storing 10 different colors. Construction is expected to start soon on the first 6 of 8 bins for storing the most popular colors. Bins will be constructed of corrugated pipe of 6 ft. diameter, with a concrete funnel at the bottom of each bin with 2 chutes for sacking. ~~They will be filled~~ They will be filled by means of overhead conveyor belts. The material will be sacked on receipt of order for same.

(2) Make improvements on the screening equipment. Another screen will be installed ahead of the present screens to screen out the dust.

(3) Add another truck to the one now in use for hauling the mined material to the plant.

(4) Purchase additional bulldozers and carloaders for use in the quarries.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Ligier Arizona Marble Quarries, Inc.

Date May 6, 1955

District Dragoon District ----Cochise Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Visit to Crushing plant & Information from D. G. Ligier.

Location Quarries located in Dragoon Mts. south of Dragoon. Crushing and screening plant located near railroad a short distance east of Dragoon. (2 miles)

Owners Lessees and operators are leasing from a number of owners of claims.

Lessees and Operators Ligier Arizona Marble Quarries, Inc., Box 32, Dragoon, Ariz. Company was reorganized recently, and capital was obtained for new crushing, and screening equipment, and the crushing and screening plant was moved to a new location.

Officers D. G. Ligier, Box 32, Dragoon, Ariz. -----Manager.

Number of Men Employed 3 men installing new equipment on screening and crushing plant. A number of men will be added shortly when actual production starts.

Production Rate Past Production Rate about 80 tons per month.
No production lately while new equipment is being installed.
Maximum production with new equipment is 15 tons per hour, according to
D. H. Ligier, Manager.

Varieties of Marble Produced The company have 7 different quarries opened up and ready for production at present, and can produce 7 different colors of marble from same. Additional quarries to be opened up will produce 5 to 7 additional varieties and colors of marble. Company intends to produce slab marble and blocks also. The most prominent and popular colors are green, red verona, white, and cream. Others quite popular are pink, gray, purple and black opal.

Improvements made on Plant The crushing and screening plant was recently moved to a new and better location. A jaw crusher, 12 in. x 20 in. and new rolls were installed. Also a belt conveyor and ore bin has been installed. Present capacity of new plant is about 15 tons per hour, according to D. G. Ligier, Manager. New plant will be ready for operation in a few days.

Operations The marble is quarried in the quarries leased by the company in the Dragoon Mts. south of Dragoon. It is trucked to the crushing and screening plant at the railroad, about 2 miles east of Dragoon, where it is crushed, screened, and sacked for shipment. Three sizes are produced in this plant (1) 1/16 to 1/8 in. size; (2) 1/8 to 1/4 in. size; and 1/4 to 1/4 to 3/8 in. size.

Markets Crushed marble is sold f. o. b. Dragoon to users of their products. The average price per ton received is about \$ 20.00. Mr. Ligier expects to produce same at a profit of approximately \$ 8.00 per ton. Most of the product produced is used as Terrazo Chips and Roofing Chips. Other uses for the product are Chicken Grits (1/8 to 5/16 in. size), Stock Feed (100 mesh), in the metallurgical industries, and for flux. Slab marble and blocks will also be produced for the building industry.

Present Operations Company is just finishing up the installation of the new machinery in their crushing and screening plant, and production on a large scale will commence in a few days. Company expects to produce about 100 tons per day, after they get into full production.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Ligier Bros. Quarries

Date Aug. 13, 1953

District Dragoon District -- Cochise Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report --- Information from D. G. Ligier.

Location Dragoon Mts.--- south of Dragoon

Owners Lessees and operators are leasing from several owners of claims.

Lessees & Operators ✓ Ligier Bros., Dragoon, Ariz. (5 brothers & 1 sister)
✓ D. G. Ligier, Dragoon, Ariz.---- Manager.

Principal Minerals ✓ Marble

Number of Men Employed 2 to 5 men, depending on amount of outstanding orders.

Production Rate 80 tons per month

Operations Ligier Bros. have 7 different quarries opened up at present. 20 different varieties of marble are quarried, with 10 different colors. The most prominent and popular colors are green, red verona, white, and cream. Others quite popular are pink, gray, purple and black opal.

Nearly all the marble quarried is trucked to ~~the company's~~ their crushing plant, located at the railroad tracks, 3 miles east of Dragoon.

The marble is crushed to 3/8 in --3/4 in. size, and then screened into 3 sizes, and then sacked in sacks for shipments.

Some of the marble is shipped in large size blocks to Carthage, Mo. for sawing into blocks and polishing, as Ligier Bros. do not have sawing and grinding equipment.

Most of the crushed product is used as Terrazo Chips, Roofing Chips, and Wainscoating.

Markets Crushed Marble is sold f. o. b. crushing plant at Dragoon, and the buyers arrange for their own hauling. 25 % of the product goes outside the state, most out of state sales being to California. Mr. Ligier reports that he has been able to sell all that he can produce, without any advertising, and that he could sell a lot more if he had the equipment and machinery to operate the quarries and the crushing plant on a larger scale.

Terms of Sale Ligier Bros. would like to raise capital for modern machinery and equipment, whereby they could increase operations on a much larger scale.

They propose to give 1/2 interest in their properties to anyone, who will put in \$30,000 in the enterprise, in order to develop the quarries, buy mining machinery, buy trucks, improve crushing machinery, and build warehouse for storing the crushed product. An additional expenditure of \$15,000 to \$20,000 for equipment and buildings for sawing and polishing blocks would also be desirable.

Remarks Marble is very high grade, and there is a large ~~variety of~~ number of different varieties and colors to choose from. There should be no trouble selling the product, if the production was stepped up to a much larger quantity. There is also no reason why production can not be increased materially, since operators own and lease a number of good quarries, containing a large amount of excellent grade marble.

LISTER RED MARBLE QUARRY / Cochise

Start Taylor 12/29/87

COMPLETE AND MAIL TO:

STATE MINE INSPECTOR

FOR OFFICE USE ONLY

START-UP NUMBER 74031251

STATE NUMBER 10159200

MSHA NUMBER

STATE MINE INSPECTOR

1624 WEST ADAMS, ROOM 208

PHOENIX, ARIZONA 85007-2606

DEC 21 1987

NOTICE TO ARIZONA STATE MINE INSPECTOR

NEW

In compliance with the Arizona Revised Statute Section 27-303, we are submitting this written notice to the Arizona State Mine Inspector of our intent to start stop _____ move _____ (Please check one) a mining operation.

If this is a move, please show last location: _____

If you have not operated a mine previously in Arizona, please check here: * If you want the Education and Training Division to assist with your mine safety training, please check here:

If this operation will use Cyanide for leaching, please check here:

COMPANY NAME: Parrish Company

DIVISION: _____

MINE OR PLANT NAME: _____ TELEPHONE: 577 5113

CHIEF OFFICER: Louis W. Parrish

COMPANY ADDRESS: P. o. BOX 56600 Tucson Az. 85703

CITY: Tucson STATE: Arizona ZIP CODE: 85703

MINE OR PLANT LOCATION: (Include county and nearest town, as well as directions for locating property by vehicle: T. 16 S R 23 E Section 27 Cochise County

Located near the Dragoon mountains.

TYPE OF OPERATION: Quarry PRINCIPAL PRODUCT: Marble

STARTING DATE: 12-18-87 CLOSING DATE: 7-31-88 DURATION: _____

PERSON COMPLETING NOTICE: Henry R. Amado TITLE: Supervisor

DATE NOTICE MAILED TO STATE MINE INSPECTOR: 12-18-87

ABSTRACTED FROM ADMMR 1986
DIRECTORY OF ACTIVE MINES
April 24, 1987

DRAGOON MARBLE COMPANY
Subsidiary of Red Mountain Mining

4250 N. Bush Highway, Mesa 85205 - Phone 832-3390 - Employees 4.

Dragoon Pit

Located about three miles south of Dragoon on Lizard Lane - Open pit marble mine - Marble crushed and used in pre-cast concrete panels for building facing - Marketed locally and out of state - Pit ON STANDBY.

President D. Lavoy Adams
Secretary/Treasurer Ted Dyke

413-3390-3390

ARIZONA DEPT. OF MINES & MINERAL RESOURCES
STATE OFFICE BUILDING
416 W. CONGRESS, ROOM 161
TUCSON, ARIZONA 85701



DRAGON MARBLE QUARRIES (4)

Office of State Mine Inspector

705 West Wing, Capitol Building
Phoenix, Arizona 85007
602-255-5971

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with Arizona Revised Statute Section 27-303*, we are submitting this written notice to the Arizona State Mine Inspector (705 West Wing, Capitol Building, Phoenix, Arizona 85007) of our intent to start/stop (please circle one) a mining operation.

COMPANY NAME DRAGON MARBLE CORP. (C)

CHIEF OFFICER JIM CHAPMAN

COMPANY ADDRESS Box 99 Pearce AZ.

COMPANY TELEPHONE NUMBER _____

MINE OR PLANT NAME DRAGON MARBLE PIT

MINE OR PLANT LOCATION (including county and nearest town, as well as directions for locating by vehicle)

DRAGON MT. Cochise County
South 3 miles on Lizard Lane

TYPE OF OPERATION _____ PRINCIPAL PRODUCT _____

STARTING DATE 3-21-85 CLOSING DATE UNKNOWN

DURATION OF OPERATION UNKNOWN

PERSON SENDING THIS NOTICE JIM CHAPMAN

TITLE OF PERSON SENDING THIS NOTICE Superintendent

DATE NOTICE SENT TO STATE MINE INSPECTOR 3-21-85

*A.R.S. Section 27-305 NOTIFICATION TO INSPECTOR OF BEGINNING OR SUSPENDING OPERATIONS: When mining operations are commenced in any mine or when operations therein are permanently suspended, the operator shall give written notice to the inspector at his office prior to commencement or suspension of operations.



Office of State Mine Inspector

705 West Wing, Capitol Building
Phoenix, Arizona 85007
602-255-5971

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with Arizona Revised Statute Section 27-303*, we are submitting this written notice to the Arizona State Mine Inspector (705 West Wing, Capitol Building, Phoenix, Arizona 85007) of our intent to (start)/stop (please circle one) a mining operation.

COMPANY NAME Dragon Marble Corp.

CHIEF OFFICER RANDY PARSONS

COMPANY ADDRESS Box 99 Pearce Az.

COMPANY TELEPHONE NUMBER _____

MINE OR PLANT NAME Dragon Crusher Site

MINE OR PLANT LOCATION (including county and nearest town, as well as directions for locating by vehicle)

3 miles East of Dragon on Dragon Rd. on North side. Cochise County

TYPE OF OPERATION Crushing Site PRINCIPAL PRODUCT Marble

STARTING DATE 3-21-85 CLOSING DATE UNKNOWN

DURATION OF OPERATION UNKNOWN

PERSON SENDING THIS NOTICE RANDY PARSONS

TITLE OF PERSON SENDING THIS NOTICE Superintendent

DATE NOTICE SENT TO STATE MINE INSPECTOR 3-21-85

*A.R.S. Section 27-303 NOTIFICATION TO INSPECTOR OF BEGINNING OR SUSPENDING OPERATIONS: When mining operations are commenced in any mine or when operations therein are permanently suspended, the operator shall give written notice to the inspector at his office prior to commencement or suspension of operations.

DRAGOON MARBLE CORP.
Subsidiary of Red Mountain Mining

Marble Co.

4250 N. Bush Highway, Mesa 85205 - Phone 832-3390 - Employees 4.

Dragoon Pit

Located about three miles south of Dragoon on Lizard Lane - Open-pit marble mine - Marble crushed and used in pre-cast concrete panels for building facing marketed locally and out of state.

President D. Lavoy Adams

Cochise Co.



File: Ligier Marble Quarries
Cochise 15' quad. in file
JA

Office of State Mine Inspector

RECEIVED

MAR 25 1985

DEPT. MINERAL RESOURCES
PHOENIX, ARIZONA

705 West Wing, Capitol Building
Phoenix, Arizona 85007
602-255-5971

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with Arizona Revised Statute Section 27-303*, we are submitting this written notice to the Arizona State Mine Inspector (705 West Wing, Capitol Building, Phoenix, Arizona 85007) of our intent to start/stop (please circle one) a mining operation.

COMPANY NAME DRAGON MARBLE CORP.

CHIEF OFFICER RANDY PARSONS

COMPANY ADDRESS Box 99 Pearce AZ.

COMPANY TELEPHONE NUMBER _____

MINE OR PLANT NAME DRAGON CRUSHER SITE

MINE OR PLANT LOCATION (including county and nearest town, as well as directions for locating by vehicle)

3 miles East of Dragon on Dragon Rd. on North side. Cochise County

TYPE OF OPERATION Crushing Site PRINCIPAL PRODUCT MARBLE

STARTING DATE 3-21-85 CLOSING DATE UNKNOWN

DURATION OF OPERATION UNKNOWN

PERSON SENDING THIS NOTICE RANDY PARSONS

TITLE OF PERSON SENDING THIS NOTICE SUPERINTENDENT

DATE NOTICE SENT TO STATE MINE INSPECTOR 3-21-85

*A.R.S. Section 27-303 NOTIFICATION TO INSPECTOR OF BEGINNING OR SUSPENDING OPERATIONS: When mining operations are commenced in any mine or when operations therein are permanently suspended, the operator shall give written notice to the inspector at his office prior to commencement or suspension of operations.

Sepulveda



Office of State Mine Inspector

705 West Wing, Capitol Building
Phoenix, Arizona 85007
602-255-5971

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with Arizona Revised Statute Section 27-303* we are submitting this written notice to the Arizona State Mine Inspector (705 West Wing, Capitol Building, Phoenix, Arizona 85007) of our intent to start/stop (please circle one) a mining operation.

COMPANY NAME Red Mountain Marble
CHIEF OFFICER Louay Adams
COMPANY ADDRESS 4250 N. Bush Highway
COMPANY TELEPHONE NUMBER 832-3390 Mesa, Az.
MINE OR PLANT NAME Dragon Quarries

MINE OR PLANT LOCATION (including county and nearest town, as well as directions for locating by vehicle)
3 miles S.E. of Dragon
Lizard Lane

TYPE OF OPERATION Quarry PRINCIPAL PRODUCT Marbles
STARTING DATE 8/16/84 CLOSING DATE INDFINITE
DURATION OF OPERATION IND.
PERSON SENDING THIS NOTICE Louay Adams
TITLE OF PERSON SENDING THIS NOTICE owner
DATE NOTICE SENT TO STATE MINE INSPECTOR 8/16/84

*A.R.S. Section 27-303 NOTIFICATION TO INSPECTOR OF BEGINNING OR SUSPENDING OPERATIONS: When mining operations are commenced in any mine or when operations therein are permanently suspended, the operator shall give written notice to the inspector at his office prior to commencement or suspension of operations.

Mineral Building, Higrou.

Phoenix, Arizona

JUN 28 1979

DEPT. MINERAL RESOURCES ARIZONA

- 1. Information from: Mine visit on June 20, 1979
- Address: _____
- 2. Mine: Ligier marble quarries 3. No. of Claims - Patented _____
Unpatented _____
- 4. Location: Cochise Co.
- 5. Sec 33 Tp 16S Range 23E 6. Mining District Dragoon
- 7. Owner: _____
- 8. Address: _____
- 9. Operating Co.: _____
- 10. Address: _____
- 11. President: _____ 12. Gen. Mgr.: _____
- 13. Principal Metals: _____ 14. No. Employed: _____
- 15. Mill, Type & Capacity: _____
- 16. Present Operations: (a) Down (b) Assessment work (c) Exploration
(d) Production (e) Rate _____ tpd.
- 17. New Work Planned: _____

18. Misc. Notes: Other quarries in the Ligier operations appear to be located in sections 10, 21, 26, 28, and 35 of T16S, R23E.
The two quarries I visited (in sec 33) appear to have been worked only intermittently although the ~~the~~ road was in good condition. The marble is medium to coarsely crystalline and very white, some minor iron staining locally.
Ownership of these quarries is unknown. Previous owner was Mr. D.G. Ligier who reportedly died.

Date: 6-27-79

Michael W. Greeley
(Signature) (Field Engineer)

CALCIUM CARBONATE

ATOMITE
SNOWFLAKE
DURAMITE
NO. 1 WHITE
DRIKALITE
B. I. WHITE

BARYTES

BARIMITE XF
BARIMITE
NO. 22

CLAY

SNO-BRITE
APEX
REFINED FILLER

THOMPSON, WEINMAN AND COMPANY



P. O. BOX 130
CARTERSVILLE, GA. 30120

October 17, 1969

EASTERN SALES OFFICE
134 EVERGREEN PLACE
EAST ORANGE, N. J. 07018

MILLS AND MINES:
CARTERSVILLE, GA.
MCINTYRE, GA.
NORRISTOWN, PA.
WALTHAM, MASS.
FLORENCE, VT.
BLOOMINGTON, IND.
GANTT'S JUNCTION, ALA.
YORK, PA.

RESEARCH LABORATORY
92 GREENWOOD AVE.
MONTCLAIR, N. J. 07042

Mr. D. G. Ligier
Dragoon
Arizona

Dear Mr. Ligier:

The amended Papago claims contain a white marble deposit (as outlined in my geologic report, 1967) which is slightly below present brightness standards for high grade extenders due to the presence of fine specks of red hematite. Future advancements in beneficiation techniques could up grade this deposit as it has for many marble bodies containing mica, pyrite, quartz, tremolite, etc.

At present the prime value of this deposit is for extender products where brightness is not critical; however, due to the borderline nature of this marble it would be unwise not to consider the possibility of future advancements in technology which could make this deposit suitable for high grade extenders.

Very truly yours,

THOMPSON, WEINMAN AND COMPANY

Ernest H. Reade, Jr.

Ernest H. Reade, Jr.
Geologist

EHR:mc

June 12, 1967

From: E. H. Reade, Jr.

Subject: Exploration of the Legier claims near
Dragoon, Arizona.

EXTENT OF EXPLORATION

Began: February 10, 1967
Ended: April 29, 1967

LOCATION OF DRILLING

Amended Papago Claims (Legier)

Total Holes Drilled: 5
Total Footage: 1483.5

<u>Drill Hole</u>	<u>Depth</u>	<u>Angle from Horizontal</u>	<u>Remarks</u>
671A	240.0	20 degrees down	Right angles to bedding
671B	326.0	30 degrees down	Right angles to bedding
672A	379.5	30 degrees down	Right angles to bedding
674A	378.0	30 degrees down	Right angles to bedding
675A	160.0	90 degrees down	Right angles to bedding

RESULTS OF EXPLORATION

Amended Papago Claims (Legier)

The outlines tonnage listed below is within the quarry limits as shown on Plate IA, Figures 1a, 2a, and 3a:

Total stone in place:	3,770,000 Tons (waste)
Total gray marble, dolomite and quartzite in place:	870,000 Tons (waste)
Total usable stone in place:	2,900,000 Tons
Total waste and quarry loss estimate at 40% of usable stone in place:	1,160,000 Tons
Total recoverable stone:	1,740,000 tons

BRIGHTNESS AND TINT

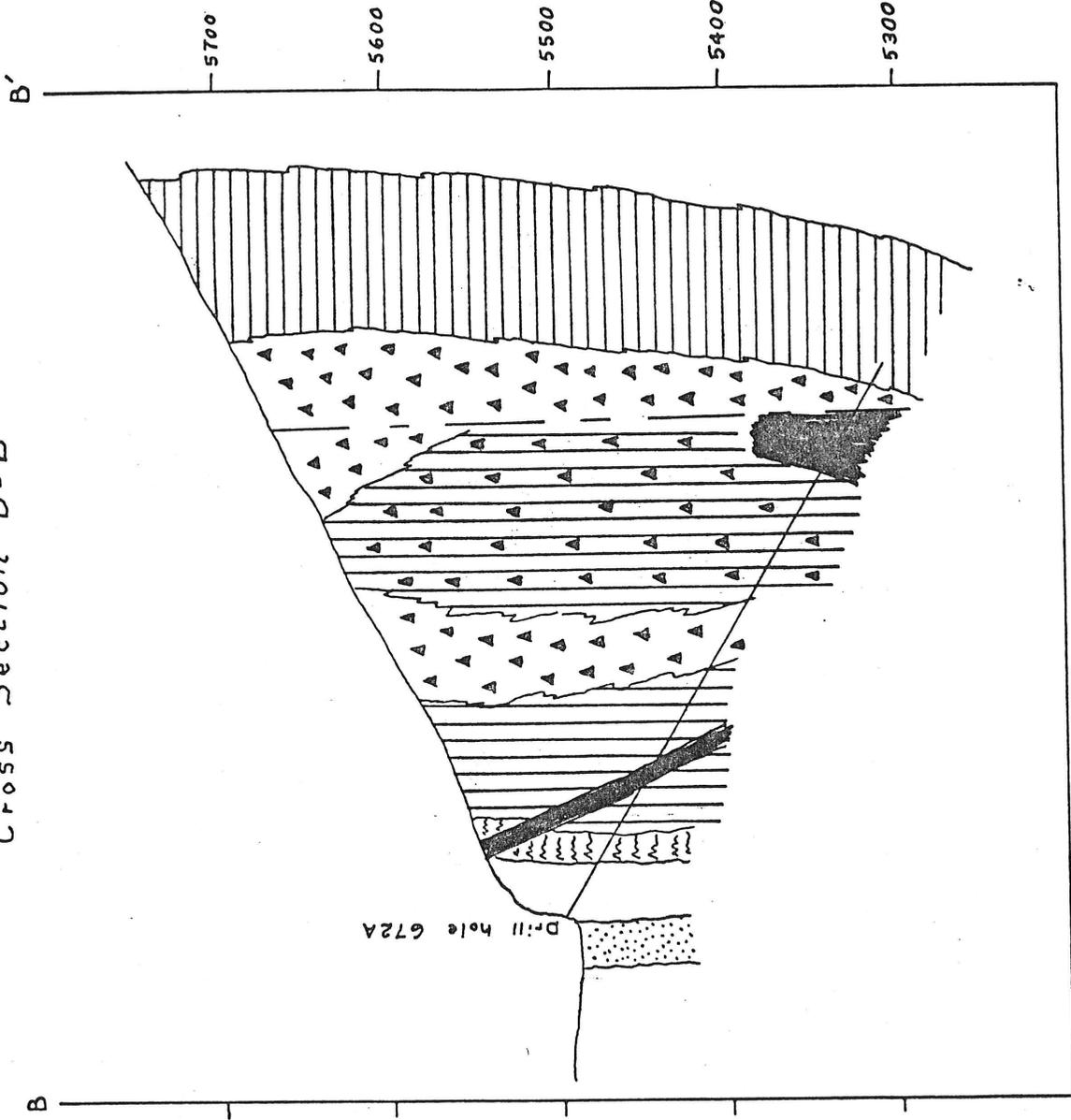
Six core samples taken from the white layer on the Legier Amended Papago Claims were analyzed and are listed below. It should be noted that low brightness may be due to metal particles introduced by the pulverizer.

<u>Drill Hole</u>	<u>Bright-ness</u>	<u>Tint</u>	<u>Particle Size</u>				<u>Grit</u>	<u>Depth</u>
			<u>-2.5</u>	<u>-5</u>	<u>-10</u>	<u>-15</u>		
672A	91.2	3.2	9.5%	23%	50%	70%	2.85%	365.5 to 369
671B	92.5	3.0	18	35.5	62	78	2.32	190.5 to 195.
671B	90.0	4.3	19	34.5	58	72	3.78	195.5 to 203.
671B	87.8	6.8	24	48	77.5	91.5	.15	203.5 to 207
671B	90.9	4.6	15	32.5	60	78	1.38	207 to 211
671B	91.2	4.0	17.5	35	61	77.5	1.60	235 to 240

EHR, Jr./ecl

Fig. 2

Cross Section B-B'



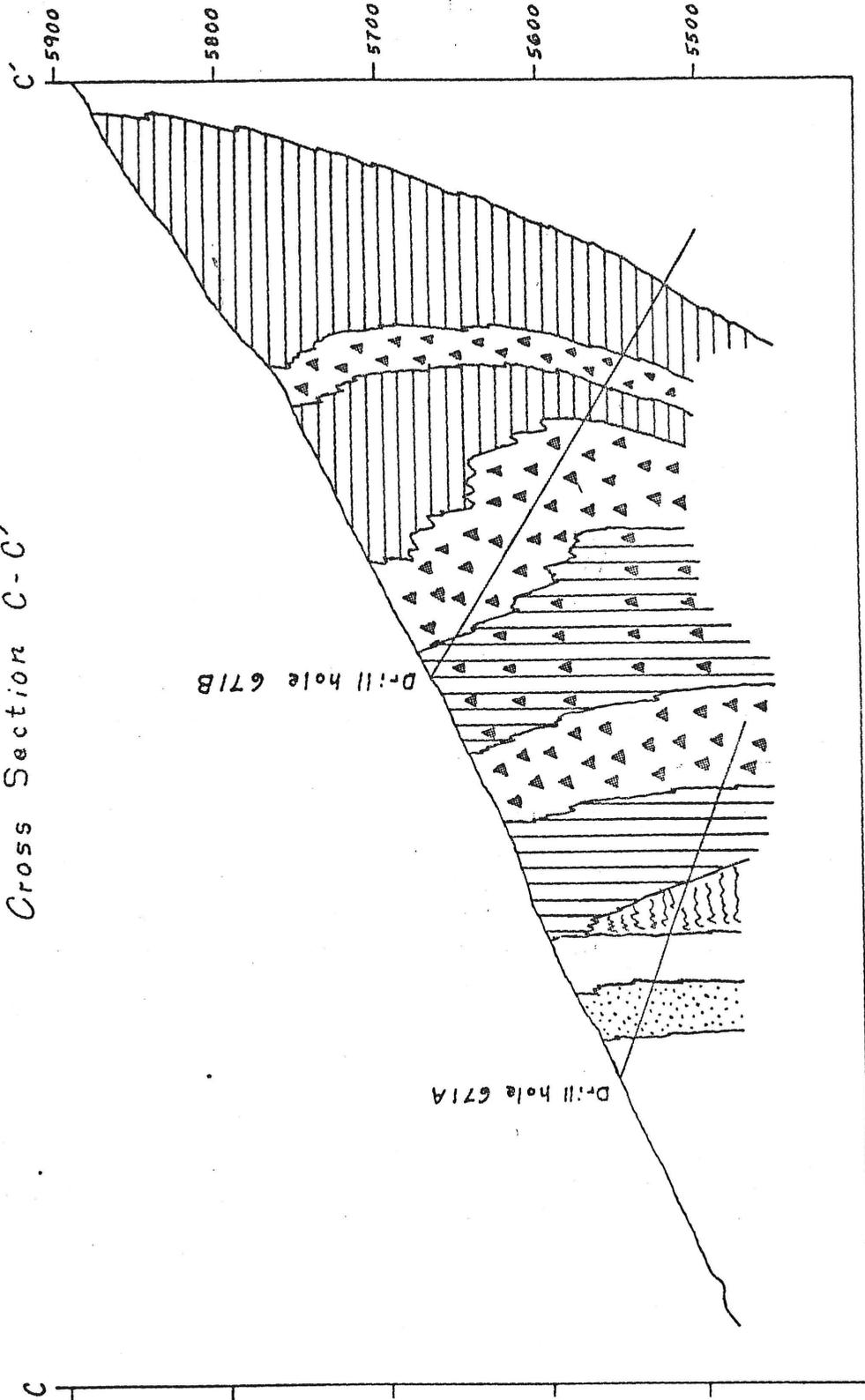
By: Reade

Scale: 1 inch = 100 feet

Date: 4-15-67

Fig. 3

Cross Section C-C'



By: Reade

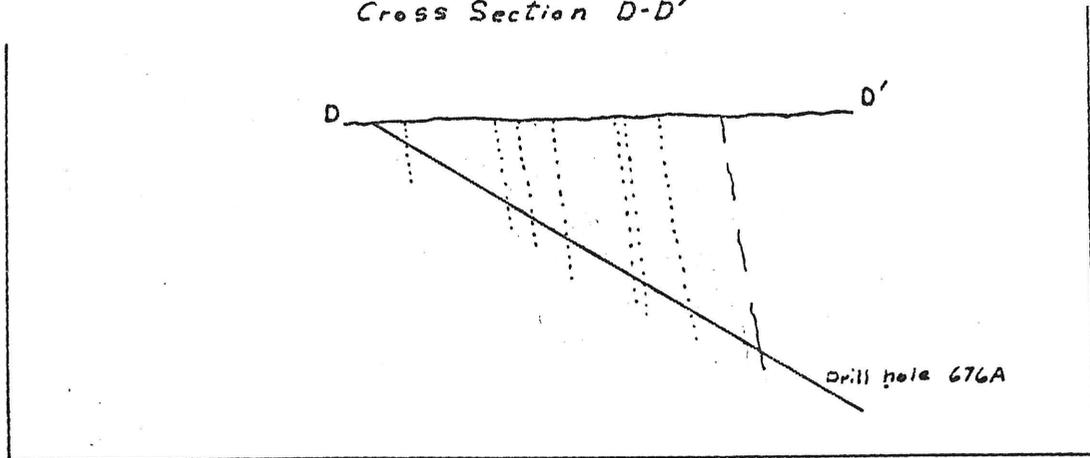
Scale: 1 inch = 100 feet

Date: 4-15-67

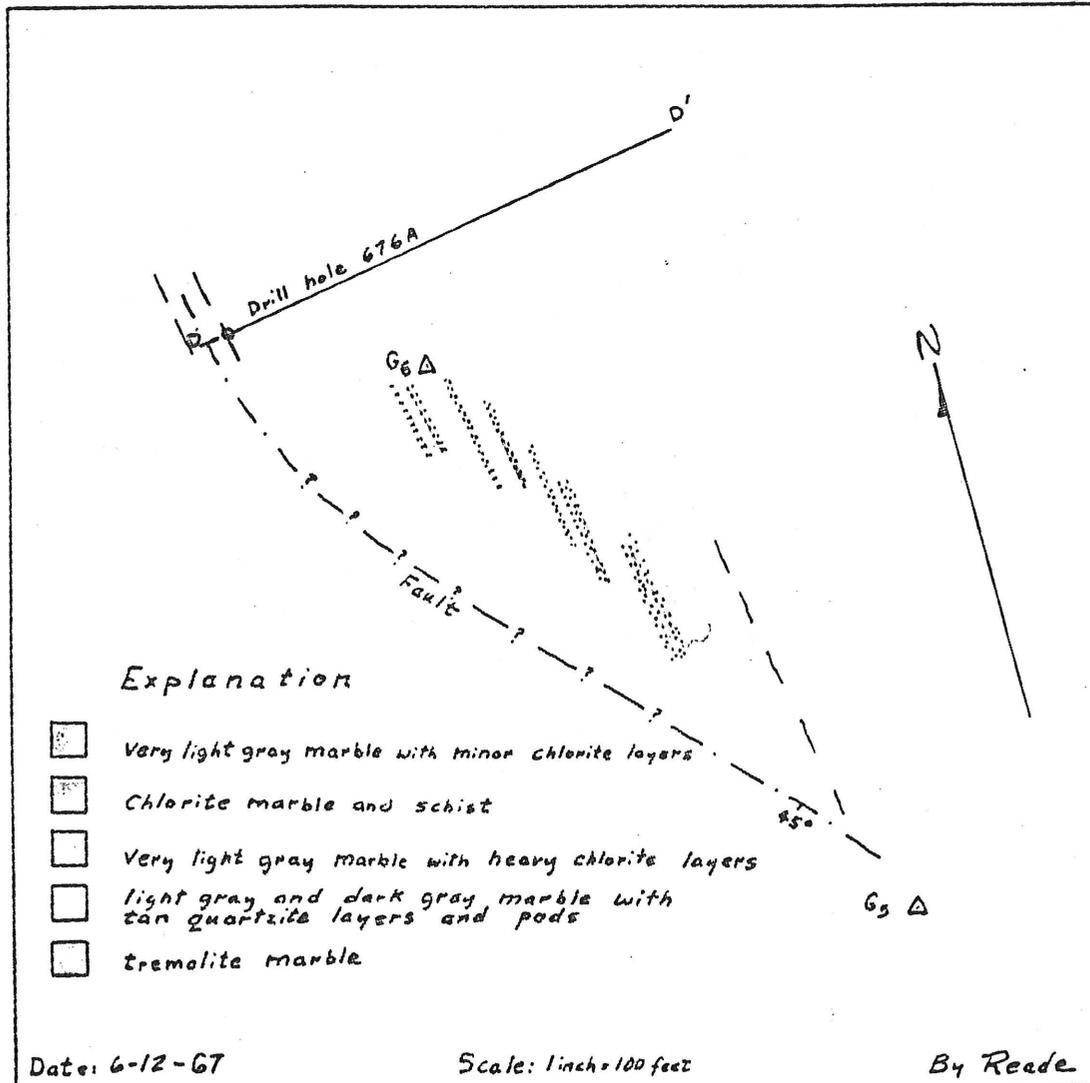
WHITE MARBLE CLAIMS

PAUL LIME CO.

Cross Section D-D'



Plan Map





DRAGOON MARBLE QUARRIES incorporated

MINING OPERATION: P. O. BOX 37 DRAGOON, ARIZONA TEL. 586-2649

PHOENIX OFFICE: c/o CONN and CANDLIN 2701 NORTH 7th AVE. PHOENIX, ARIZ. TEL. 274-3973

October 25, 1965

Mr. G. W. Irvin
Field Engineer
Department of Mineral Resources
Mineral Building
Phoenix, Arizona

Dear Mr. Irvin:

I understand from a recent visit to our properties that you desire some information which our manager put on a note to me.

Since this Corporation is in the process of dissolution, is there any particular change this makes in your desires.

Very truly yours,

DRAGOON MARBLE QUARRIES, INC.


Larry D. Lewis
President

vb

Color

Quality

Continuity

REPORT ON THE PROPERTY OF THE DRAGON MARBLE & MINING CO.

BY

D. C. RIDDER. CONSULTING ENGINEER.

INTRODUCTORY

The property examined is situated in Cochise County, Arizona in the Dragoon Mountains, a range which trends in a generally northwest and southeast direction. The dip of the strata runs from 40° to 80° to the southeast and the strike from 0° to 15° east of north. These mountains form the south side of the Dragoon Pass and the west side of Sulphur Spring Valley.

The main line of the Southern Pacific railroad runs through a valley on the west side of the range, swings in a long curve to the east through Dragoon Pass which, at its narrowest point, is about a mile wide, then curves again to the northwest across the Sulphur Spring Valley. The railroad runs within three quarters of a mile of the property of the Dragoon Marble & Mining Co. and the station and post office at Dragoon are about two miles from the nearest point of the property. The claims lie in a group embracing the known deposits of marble in this portion of the range.

The Dragoon Mountains rise abruptly from dry valleys, characteristic of this section of Arizona, the approach to the foot being a gradual and easy grade from the railroad. The station at Dragoon is 4614 elevation and the base of the mountain is 5050 feet. Within a mile after entering the range there are peaks which attain a height of 1500 feet above the base. The canyons, which are dry, have high stream gradients and the slopes of the mountains range from 30° to 60°. The water which naturally drains into the canyons, is lost at the foot where large fan-shaped alluvial deposits spread out into the dry valleys.

GEOLOGY.

The rocks observed in this part of the Dragoon range are entirely of sedimentary origin, with the exception of an intrusive mass of igneous rocks a short distance northeast of the marble deposits in which is located the Golden Rule and several other mining claims. Adjoining this igneous rock on the southwest are strata of marble alternated with quartzite, conglomerate and limestone for a distance of three miles. At this point the marble terminates and quartzite, argillaceous schist and granite are encountered in the order named.

A general cross-section of the range, looking northerly from the apex of what is known as the Conglomerate Mountain is shown in Fig. 2.

Two distinct geologic periods are represented and probably a third, although no fossils are found, being the Cambrian, Silurian and possibly the Devonian.

A remarkable occurrence is the conformity of the various strata, the conglomerate being perfectly concordant with the limestone, quartzite and marble strata in both strike and dip. There is a slight variation in dip which becomes more nearly vertical towards the southwest side of the range where the quartzite divides the marble from the schist and granite.

The region between Mount Fontelicus on the south and Dragoon Pass on the north contains no evidence of seismic disturbance. Included in this area are the boundaries of the property of the Dragoon Marble & Mining Co. which were traversed in making the survey and examination.

MARBLE.

The marble occurs in both veins and deposits, the latter in several instances covering an area of 100,000 to 4,000,000 square feet and containing from 1,000,000 to 1,250,000,000 cubic feet of marble above the level of the surrounding valley. The vein varies in thickness from 5 feet to 500 feet and many are traceable on the surface for over a mile. The white with gold veins, and the white with pink tints, for instance, runs from a width of 20 feet at the northern end where it dips into the valley to 500 feet on the summit of the mountain and is traceable for a mile. In this distance the mountain carrying this vein rises on a steep gradient to over a thousand feet vertical, exposing the vein in many places suitable for a quarry face.

JOINTING.

Some of the veins show jointing in superficial surface cracks due to natural erosion by the elements and the sliding to lower levels of the loose surface boulders. In other veins both the white and the colored marble, the jointing was not discernible at all in blocks vastly too large to handle by any machinery. Even the noticeable surface jointing must disappear with depth for nothing was found even remotely to indicate a continuance.

QUALITY. ANALYSIS.

The marble is massive, fine-grained and of even texture. It is hard and tough and susceptible of a very high polish.

Four tests were made primarily to determine the nature of the coloring matter in the colored marble. The pieces selected represented the darkest shade obtainable of yellow, red, purple and mottled and the coloring matter was found in every case to be carbonaceous matter. No iron was found either in oxide or other state. This is a most important and advantageous point and because of this fact the colored marble will retain varied original hues whether used for interior decoration or exposed to the elements outside.

With the exception of the carbonaceous matter, the marble he said to be practically pure carbonate of lime. Silica appears so seldom in this marble as to be scarcely worthy of mention. There are occasional small areas of silica, but in none of the polished specimens does it show in sufficient quantity to detract from the marble or render it less valuable.

WEATHERING.

A large slab of conglomerate marble three feet wide by five feet long was quarried about a year ago from the surface of a large exposed mass on the slope of Conglomerate Mountain, and from a close inspection of the fracture with a magnifying glass no disintegration or weathering was discernable.

After closely observing the marble of the entire district there can be no doubt of the excellent weathering qualities. In the marble which has probably been exposed for centuries the distinct colors may be traced and there is no evidence of the colors running

QUANTITY.

According to the analyses and field observations the marble is pure metamorphosed limestone. The general structure of the mountain range and the width, length and texture of the marble veins make it reasonable to predict the continuity of depth and an inexhaustible supply of commercial marble.

When estimating the quantity of marble of different colors on the property of the Dragoon Marble & Mining Co., it is necessary to take into account the surface conditions and geologic structure, as no work has been done that will assist in determining the quantity. The first factor, that of surface conditions, is the width and length of the vein, which on account of bold outcrops, can be easily traced. The second factor, that of geologic structure, has been discussed heretofore in this report and decided that the marble attains a great depth, farther than can be reached by machinery.

The marble which is actually exposed to measurements on this property runs into an incomprehensible number of cubic feet. Take, for example, one mountain which contains 1,250,000,000 cubic feet of marble and quarry it at the rate of 10,000 cubic feet a day for 350 years and it would be then only level with adjacent valley. It is reasonable to estimate many times this amount when considering all of the various colored and white marble.

QUARRYING.

There is a minimum detritus on the slopes of the mountains and in many instances the marble veins expose surfaces where mill blocks of ^{any} commercial size desired may be taken out without any stripping of the surface. On the northeast side of Conglomerate Mountain about 300 feet up from the base, there was observed two large detached boulders estimated to contain 2400 cubic feet each. The conglomerate on this side of the mountain contains the best and most color observed. The composition is more uniform and medium size in the markings and the colors are blended into many shades, red being most noticeable, while across the entire mass are ribbons of white. These two masses could be easily rolled down the mountain side to the level at the base where they could be worked up into mill blocks. No special preparation for wagon road to this point would be necessary.

On the claims ~~on the claims~~ on the north side of the group, quarry faces exist where it would be necessary to move but a small amount of detritus, if any, to begin quarrying commercial mill blocks.

TRANSPORTATION.

An automobile truck could be used advantageously while a standard railroad is under construction. This could surround the property practically on three sides with a spur to the different quarries. The upper grades of the railroads might be prohibitive for an ordinary locomotive, but a Shay type of locomotive could be used.

TIMBER & WATER.

Timber and water are scarce in the Dragoon Mountains and timber would have to be shipped to the property. Water is reached at a depth varying from 30 to 200 feet in the Sulphur Spring Valley adjoining the range on the east.

This group of marble claims must be, at this time, considered as an undeveloped surface showing, but the plain geology of the range, the excellent quality and evident great quantity of the many varieties of marble make it worthy of the best efforts of the Company to place this marble in reach of a waiting public.

March 21, 1947

Mr. B. A. Colonna, President
Colonna and Company, Inc.
East River at 140th Street
New York 54, N. Y.

Dear Mr. Colonna:

Referring to your letter of the 15th to our Mr. Manning, we expect in the next two months to have new offices in the Mineral Building at the State Fair Grounds here in Phoenix.

After that time it would seem an excellent idea to have a display of your marble where it will attract public attention and be available for inspection by architects.

This is one of the finest collections of commercial ores and minerals in the country and we expect in the future to have it on display the year around instead of just at Fair time.

We presume we can get in touch with Mr. Ligier when the time comes.

Yours very truly,

Chas. H. Dunning
Director

CHD:mh

COLONNA and COMPANY, Inc.

IMPORTED AND DOMESTIC

TELEPHONE
MELROSE 5-0170

YARDS & SAWMILL
WAREHOUSE
WHARF & R. R. SIDING

MARBLE



STONE

TERRAZZO AGGREGATES & SUPPLIES

EAST RIVER AT 140TH STREET

NEW YORK 54, N. Y. March 15, 1947.

CABLE ADDRESS
COLONNA-NEW YORK
MASTER CODE

COLORADO OFFICE
P. O. BOX 387
CANON CITY, COLORADO

ALL AGREEMENTS ARE CONTINGENT UPON AND SUBJECT TO STRIKES, ACCIDENTS, DELAY OF CARRIERS, QUARRY CONDITIONS, AND OTHER CAUSES BEYOND OUR CONTROL. ALL QUOTATIONS SUBJECT TO CHANGE WITHOUT NOTICE, AND DO NOT INCLUDE STATE OR FEDERAL SALES TAXES. ALL GOODS OFFERED SUBJECT TO BEING UNSOLD.

Mr. Roger I.C. Manning, Field Engr.,
Dept. of Mineral Resources, State of Arizona,
302 Arizona Title Bldg., 128 No. First Avenue,
Phoenix, Arizona.

Dear Mr. Manning:

Bud. Ligier advises that they have had the pleasure of your visit to the Ligier marble quarries in the vicinity of Dragoon, Arizona. We are the sales agents for these quarries and we deeply appreciate your interest in them and your willingness to help us present them properly in Arizona.

In presenting marble to architects and other specifying authorities, a good deal of caution must be exercised, particularly in the case of highly colored and decorative marbles and, most particularly, in the case of quarries which are in an early stage of development. However, we are now at a point where we believe we can safely submit samples of three of the marbles, selected so as to be a reasonably good indication of the general characteristics of these marbles. These will have to be supplemented or replaced, from time to time, as new deposits are opened, or in the event that in the course of operations the natural variation of these highly colored marbles should run to a noticeable variation from the present norm.

We shall be glad to prepare samples according to your specifications, for exhibition in such places as you may deem advisable and proper in this connection. However, although it is proper and gratifying to have the marbles in an exhibit where they can be seen by the general public, as showing part of Arizona mineral resources, it is our experience that such exhibits to the general public are not likely to sell very much marble. Such exhibits therefore, should be supplemented by submission of samples to the State Architect or other specifying authorities for Arizona State work. It is our impression that there is no regularly appointed or employed State architect in Arizona, and the State work is under the supervision of private architects who are retained in connection with each job as it gets appropriated for. Some states or cities provide for sample rooms for the convenience of the various architects having to do with specifying city, state or federal work.

COLONNA and COMPANY, Inc.

290 LOCUST AVENUE
NEW YORK, N. Y.

Mr. Roger I. C. Manning, Field Engr.,

March 15, 1947.

Page 2.

For instance, we have the sample room formerly operated by the Procurement Division, Treasury Department, at Washington, D.C.; the sample room in the Municipal Building in New York City; and the sample room at the State Office Building in Albany, N.Y..

If there are no such exhibits to which one may send samples, and no State Architect, then it is a question of being informed as to the name and address of each architect who is selected for a building where interior decorative marble may be required and contacting that architect, asking him to look at whatever samples of the Arizona marbles are available in his vicinity and offering to submit samples direct to him if required.

If public interest has been aroused in the Arizona marbles, there will no doubt be a tendency on the part of the architect, to use the marbles if suitable; but it is most important that if possible, the architect be left free in his choice of the material. Most architects have just as much pride in their state as anyone else; but their professional reputation depends upon the kind of a building that they turn out; and if they don't think that any particular material is suitable for a particular purpose, they resent very much having it shoved down their throats. The marble business is peculiarly dependent upon architects because they are the only real salesmen of marbles. As a rule, an Arizona architect will give Arizona marble every possible break, and I think the same applies to the surrounding states; but if they just don't think that that marble is suitable for the purpose, it is generally better not to force the sale.

These particular marbles from Dragoon are decorative marbles, not utility marbles. By utility marbles, we mean the marbles used for toilet and shower partitions and such work, where the marble must primarily be very sound and durable - the color being a secondary consideration.

I hope that we have not gone too much into detail and if so the writer's excuse is that he is very much interested in these Arizona marbles; and while we are anxious to introduce them to the home folks, we want to do so in the proper way and get off on the right foot. Unfortunately, there are no marble manufacturing establishments in Arizona that we know of; so for a job, say in Phoenix, we would have to ship the blocks to Los Angeles, Omaha, or one of the Missouri plants, and then have the finished material shipped back. We may see the day when we will have a manufacturing plant at Dragoon or in Phoenix; but that day is not yet. However, we have this marble in stock at Los Angeles and St. Louis, as well as at New York.

With best regards, we remain,

cc to Mr. Ligier

BAC:MR.


COLONNA and COMPANY, Inc.
Pres.

February 4, 1947

Mr. D. G. Ligier
Ligier Marble Quarries
Dragoon, Arizona

Dear Mr. Ligier:

I am glad that you liked the pictures sent you on January 21. Any time we may be of any service to you, please feel free to call on us.

The information you sent regarding location of your properties is for our use and I do not feel that it will fall into the hands of anyone seeking to cause you trouble.

I expect to be in the vicinity of Dragoon in the near future and look forward with pleasure to seeing you again.

Yours very truly,

Roger I. C. Manning
Field Engineer

RICM:LP

LIGIER MARBLE QUARRIES

QUARRIERS OF FINE DECORATIVE MARBLE

DRAGOON, ARIZONA



Mr. Roger J. C. Manning.
Dept of Mineral Resources.
128 No. 1st Ave.
Phoenix Ariz.

Jan. 26, 1947.

Dear Mr. Manning;

I received yours of Jan. 21, 1947, and sure appreciated the pictures. They turned out well. We have workings in sections 9 and 33 and lessor workings in 26-27-28 and 35 all in Township 16 to, Range 23 E. on Federal land.

I presume the descriptions are for your reports. I am cautious about giving information that may help to cause us trouble if in the wrong hands. We had many years of law suits caused by claim jumpers. Of course they did not get them but ~~it~~ it cost us a lot of money besides killing several good deals.

When I receive samples from N.Y. I will send you a set.

Thanking you for your interest in us, I am,

Very truly yours

D. G. Ligier

Ligier made

January 21, 1947

Mr. D. G. Ligier
Dragoon, Arizona

Dear Mr. Ligier:

Enclosed herewith are copies
of the six pictures that I took on my
recent visit to your properties.

I would appreciate it very much
if you would be so kind as to note on the
back of the enclosed card the section,
township and range of your workings that
are not on state land.

Thanking you for past favors,
I am

Yours very truly,

Roger I. C. Manning
Field Engineer

RICM:LP
Enc.

January 16, 1947

Mr. Roy Waughtel
General Delivery
Kingman, Arizona

Dear Mr. Waughtel:

In further reference to your inquiry regarding the Ligier marble quarries located at Dragoon, Cochise County, Arizona, Mr. D. G. Ligier, manager, can give you considerable information regarding various types of Arizona marble.

They might be interested in leasing or selling a portion of their properties which at present consist of nine placer claims, one of which is located on State land. They have several different types of marble ranging in color from white to black.

These properties are located approximately two miles from the main line of the Southern Pacific Railroad. Good highways connect the quarries with Dragoon station.

We sincerely hope that this information will be of some value to you.

Yours very truly,

Roger I. C. Manning
Field Engineer

RICM:LP