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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: WEARY LODGE

ALTERNATE NAMES:
MCKUSICK MOSAIC CO.

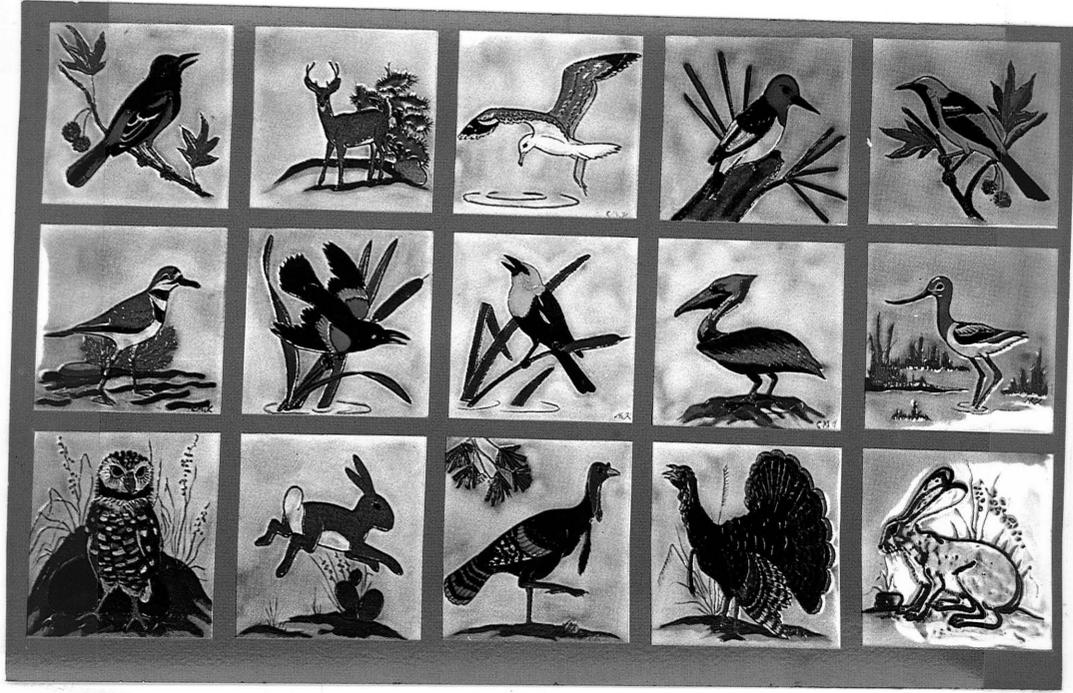
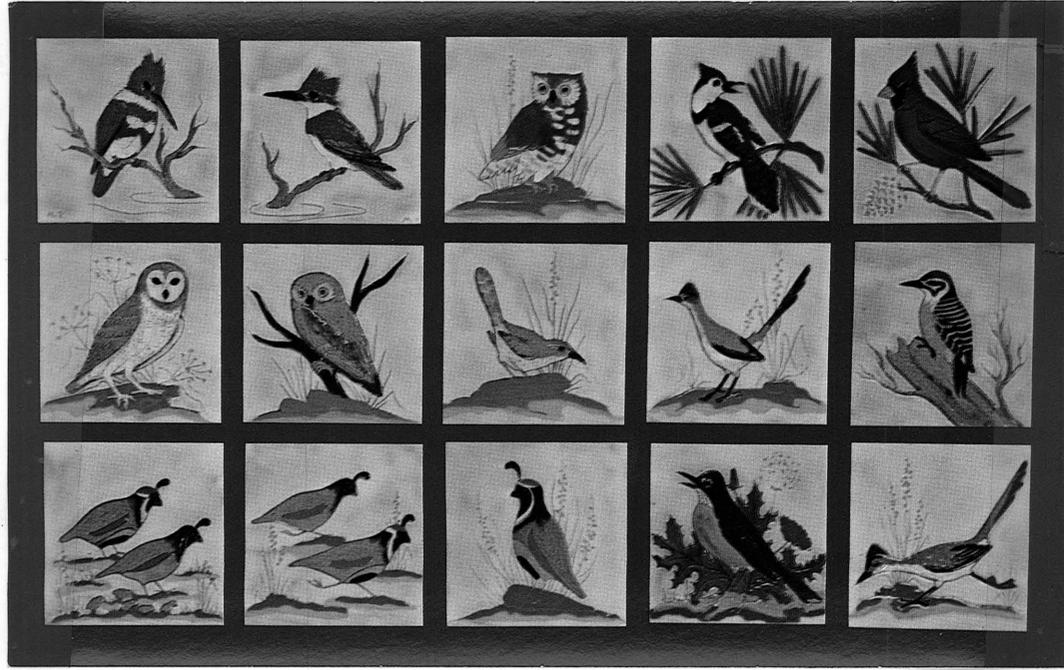
GILA COUNTY MILS NUMBER: 104

LOCATION: TOWNSHIP 1 S RANGE 15 E SECTION 22 QUARTER NW
LATITUDE: N 33DEG 20MIN 07SEC LONGITUDE: W 110DEG 48MIN 17SEC
TOPO MAP NAME: PINAL PEAK - 7.5 MIN

CURRENT STATUS: PRODUCER

COMMODITY:
CLAY

BIBLIOGRAPHY:
ADMMR WEARY LODGE PATENT FILE
AZBM BULL 180 MIN & WATER RES AZ 1969 P 331
BLM MINERAL SURVEY MS 4643



McKusick Tiles

McKusick tiles are a unique product of Globe, Arizona.

They are hand formed and decorated by Robert and Charmion McKusick from materials native to the area.

An inlay process developed from the 12th century Moorish glaze technique is employed to depict the birds and animals of the Southwest deserts. A special effort is made to record those becoming extinct.

McKusick tiles, mosaics, and tile murals are found in many of the finer homes, schools, churches, and buildings of the Southwest. They may be seen in a number of museums, and are recognized among the finest in contemporary ceramics.

ABSTRACTED FROM ADMMR ACTIVE MINES DIRECTORY, 1992

Gila County

McKUSICK MOSAIC

Patent

Weary Lode Mine T1S R15E Sec. 22

Route 1, Box 35-D, Globe, AZ 85501 - Phone 425-5051 or 425-8428 - Employees:
3 - Surface clay mine located 5 miles south of Globe - Used for tile and wind
chimes, cosmetic additives, sealant, and slip glazing material.

Owners Robert & Charmion McKusick

Co-owner Kathleen Condit

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Owners Robert & Charmion McKusick
Co-owner Kathleen Condit

ABSTRACTED FROM ADMMR ACTIVE MINES DIRECTORY, 1988

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Owners Robert & Charmion McKusick

WEARY LODGE

GILA COUNTY

NJN WR 11/27/87: Robert KcKusick, operator of Weary Lode (file) Gila County reported that they produce 2 clay products; a smectite clay which is grey/blue as mined and fires a buff brown, and a kaolin clay suitable for stoneware purposes. Their clay is mined from a portion of the Miami fault zone where it is up to 100 feet thick. At various times they have produced and sold clay for use as molecular filters, etc., but they are not interested in expanding their operations to require more than family members. They prefer to process much of their clay as decorative tiles which are custom works of art, thereby adding much value to the mine product.

WEARY LODE PATENT

Gila
Globe District

T1S, R15E Sec. 22 NW $\frac{1}{4}$

ABM Bulletin 180, p. 331

Minerals Yearbook 1965 - "McKusick Mosaic Co. mined fire clay from the Weary Lode No. 2 for use in manufacturing pottery and floor and wall tile."

WR FTJ 3/28/69 - Bob McKusick said his clay claim admitted to Patent. Also that there was no activity in Richmond Basin - expected some when weather is better.

MG WR 11/21/80 Mr. & Mrs. Robert T. McKusick, Kellner Canyon, Globe, Arizona, phone 425-7478 or 425-9729, owns the McKusick Mosaic Company. This company manufactures ceramic tile and supplies a kaolinitic clay. This company owns the Weary Lode Patented Mining Claim (8.6 acres) at Blue Tank, south of Globe, in the NW $\frac{1}{4}$, Sec. 22 T1S, R15E, Gila County. This clay is essentially identical to a "blue slip" clay. It may be classified as high-fire pottery clay or a low-fire stoneware clay. It has a high iron content. It would be excellent as a glaze on sewer pipe. It is apparently worth \$10,000/ton. The Solari bell makers use 5-7 tons per year.

MG WR 1/30/81: Mr. Bob McKusick of McKusick Mosaic informs me the Weary Lode Clay Mine (Gila County) has a reserve of about 2 million tons. Production is on demand but generally averages 30 to 40 TPY.

MG WR 4/30/82: Visited Mr. and Mrs. Robert McKusick of McKusick Mosaic. New mill equipment has been installed and a water well has been drilled at the Weary mine, Gila County. The mine continues to operate on an intermittent basis, supplying clay to the Solari bell manufacturers and to cosmetic companies.

MCKUSICK MOSAIC
Route 1, Box 35-D
Globe, Arizona 85501
1 December 80



Mr. Mike Greeley
Department of Mineral Resources
415 W. Congress
Tucson, Arizona 85701

Dear Mr. Greeley:

Charmion said that you called requesting a copy of the analysis on the Weary Lode Clay. I am enclosing a comparative analysis which was prepared, based upon the original chemical analysis done by Colorado Assay.

The Weary Lode Patent is located in the N.W. 1/4, Sec. 22, T 1S., R. 15E., G&SR B&M.

Wet shrinkage is 4%

Unfired color grey

Highly plastic

Self suspending in water

Green strength tough

Excellent for slip glazing

Used for production of McKusick decorative tiles for over 30 years

Used by Soleri's Cosanti Foundation for windbells for about 25 years

The clay fires to a brown buff at 2000 degrees F., and reaches a rich brown at 2100 degrees F. The P.C.E. (top range is cone 3).

You will note that Weary Clay is essentially the same as Albany Slip Clay which has been widely used as a glaze for sewer tiles, insulators, bean pots, etc. It is unlike Albany, however, in that it is colloidal, self suspending in water, and is an excellent pottery and tile clay. These are physical differences.

Weary Clay is a gouge material occurring in the Miami Fault. The surface exposure is about 100 yds. wide and the main outcrop extends more than 1000 Ft. The depth is thought to go more than 800 feet, but is unknown (Nels Peterson).

We appreciate your interest. If we can be of further help, give us a call. I can be reached most days after 10:00 A.M. at R.E. Laboratories 425-7478.

Sincerely,

Robert T. McKusick

COMPARATIVE ANALYSIS

Clay	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	MgO	K ₂ O	Na ₂ O	Li ₂ O	Ignition Loss
Albany slip	57.6	14.6	5.2	0.4	5.8	2.7	3.2	0.8		9.5
Weary Lode clay	58.02	15.11	8.53	.96	3.96	2.34	.24	.47	tr.	9.4
Ball clay	51.9	31.7	0.8	1.5	0.2	0.2	0.9	0.4		12.3
English kaolin	47.25	37.29	0.84	0.05	0.03	0.28	1.8	0.04		12.21
Red Dalton clay	63.2	18.3	6.3	1.3	0.3	0.5	1.6	1.2		6.4