



CONTACT INFORMATION

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

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

PRINTED: 09-11-2012

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: TUFA-TEX GROUP

ALTERNATE NAMES:

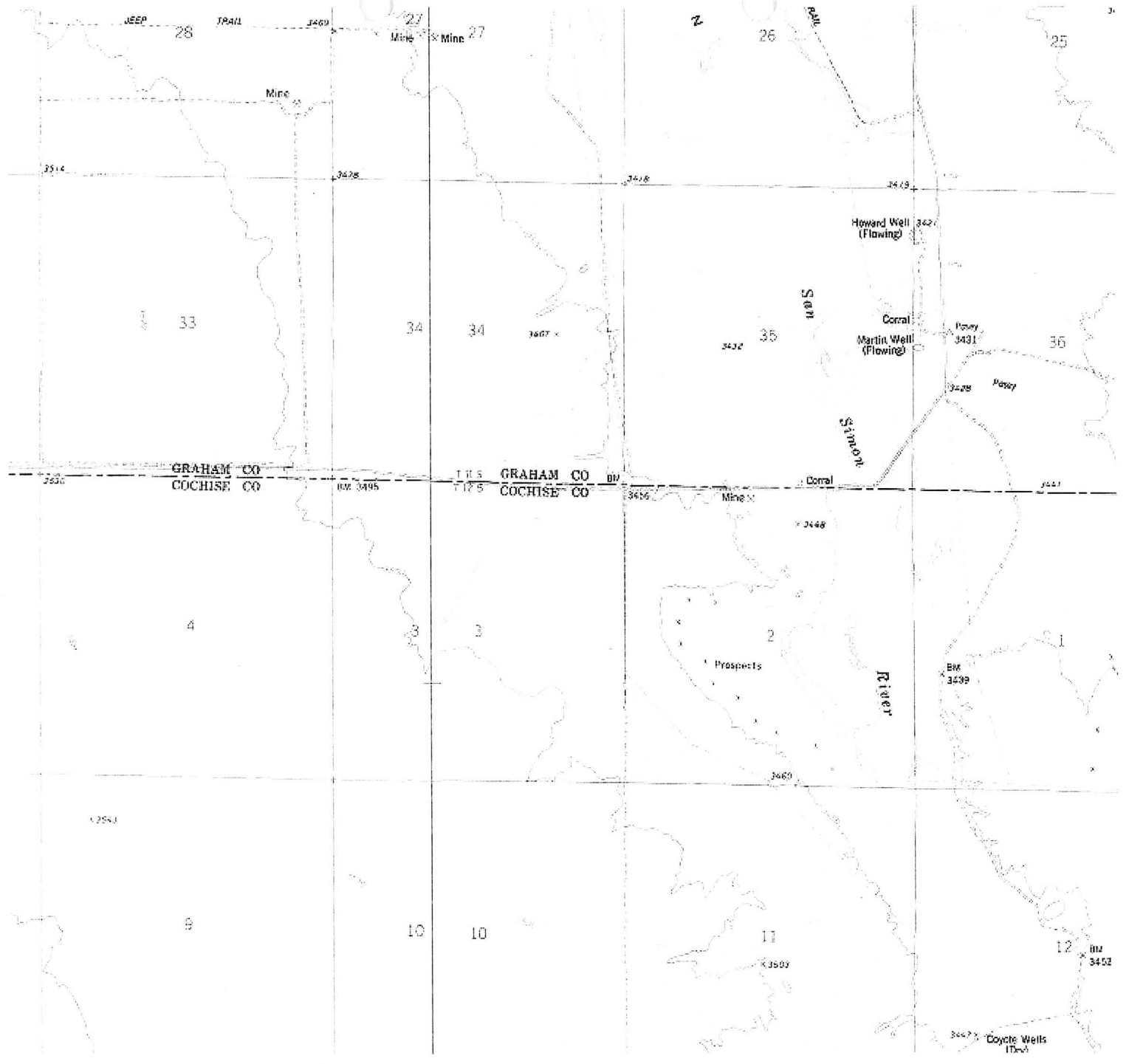
COCHISE COUNTY MILS NUMBER: 945

LOCATION: TOWNSHIP 11 S RANGE 29 E SECTION 34 QUARTER
LATITUDE: N 32DEG 25MIN 60SEC LONGITUDE: W 109DEG 22MIN 22SEC
TOPO MAP NAME: MARTIN WELL - 7.5 MIN

CURRENT STATUS: RAW PROSPECT

COMMODITY:
ZEOLITES
CLAY

BIBLIOGRAPHY:
ADMMR TUFA-TEX GROUP FILE
CLAIMS EXTEND INTO T12S R29E SECS 1,2,3



DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Tufa-tex Group

Date May 10, 1962

District San Simon District, Cochise County

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Ted H. Eyde & John Herron

References: Report of April 28, 1961.

Location: Sec. 34, T. 11 S., R. 29 E., Graham County - about 12 miles NE of Bowie.

Owner: Frank W. Clark, Box 334, Bowie, Arizona, et al.

Number of Claims: 2 unpatented claims on Federal land in Sec. 34, T. 11 S., R. 29 E.

Mr. Clark formerly claimed he had 52 claims on Federal land - 50 claims in Cochise County and 2 claims in Graham County. However, the 50 claims in Cochise County turned out to be State mineral reserve, whereas Mr. Clark had located them as Federal claims, and had not applied for a State lease. These 50 claims are now included in the State Mineral prospecting permits issued Aug. 15, 1961 to Union Carbide Nuclear Co. (State permits #47, #48, #49, #50, #51, #127 & #128).

Principal Minerals: A 6 inch bed of zeolitized volcanic ash.

Present Mining Activity: None, except for assessment work.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Tufa-tex Group & adjoining groups Date April 28, 1961

District San Simon District, Cochise County Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Frank W. Clark & Personal visit.

Location Sections 1, 2, & 3 -- T 12 S -- R 29 E -- Cochise County and Sec. 34 -- T 11 S -- R 29 E -- Graham County. About 12 miles NE of Bowie.

Cross RR tracks near the Bowie RR depot, and drive N on a gravel county road for a distance of 0.8 miles, then E for 1.2 miles, then N for 1.4 miles, then E for 1.0 miles, then N for 5.1 miles, then E for 2.2 miles along county line.

Number of Claims 52 unpatented claims on Federal land, both placer and lode. 16 of these claims are in the Tufa-tex group, and the remainder in various other groups adjoining. Mr. Clark claims that he has located 52 claims in all, 50 of these claims being in Cochise Co., and the remaining 2 claims in Graham Co. Some of his claims are 4 party association placers, some 2 party association placers, and some lode claims, staked on top of the placer claims for added protection. (I neglected to get the total acreage covered by his claims, but hope to get this at a later date).

Owners Frank W. Clark, Box 334, Bowie, Ariz. Associated with Mr. Clark and owning part interest are Sid Warner and Mel Shawhan of Bowie, Ariz. and Max Masters of Willcox.

Principal Minerals a 6 inch bed of zeolitized volcanic ash, underlain by an unknown depth of clay.

Present Mining Activity None, except claim location work.

Geology and Mineralization I examined 3 groups of claims owned by Mr. Clark, and made the following observations:

The claims are located in the San Simon Valley, on the west side of San Simon Creek. The terrain is quite flat, with a few minor rolls, rising some 10 to 20 ft. above the level of San Simon Creek. The non-metallic deposit is covered by from 0 ft. to 10 ft. of overburden. Below this overburden, there is a top layer of from 1 to 4 ft. of soft, powdery, dark green material, which has been classified as "partially altered volcanic ash". Below this, there is a bed of lightweight, porous, yellowish-orange stone, from 5 to 8 inches in thickness, which has been classified as "zeolitized volcanic ash". Below this bed, there is a thick deposit of dark green, fine grained sediments with a fairly high clay content, some of which has been classified as "montmorillonite clay". The writer is indebted to the Arizona Bureau of Mines, the U. S. Bureau of Mines and Ted H. Eyde, Geologist, Union Carbide Nuclear Co. for these classifications. The bed of zeolitized volcanic ash, the middle layer referred to above, appears to be lying perfectly flat and outcrops in the lower elevations near San Simon Creek. At the higher elevations, this layer is covered by overburden to a depth of 10 to 15 ft. on the Clark claims.

Ore Values According to Mr. Clark, one sample of the material in the lower bed of clay ran 30.6 % of Al_2O_3 , and other samples have run about 20 %. Mr. Clark believes this material to be bauxite.

According to the U. S. Bureau of Mines, who has made tests of the material in their laboratories, the material is definitely not bauxite, but a plastic clay, and a report from their experimental laboratory states that a visual microscopic examination shows from 15 % to 20 % of Al_2O_3 .

Ore in Sight & Probable The deposit covers about 3 sections in Cochise County and about 10 sections in Graham County.

(continued from page 1)

Tufa-tex and adjoining groups

April 28, 1961

San Simon District, Cochise County

Axel L. Johnson

Past History Mr. Clark states that he discovered the deposit of yellowish-orange stone, which he calls tufa-tex, about 3 years ago, and staked out 8 or 9 claims at that time. He states that he has been quarrying this bed of stone (now classified as zeolitized volcanic ash) from time to time during the past 3 years, and selling it as "Tufa-tex". The name "Tufa-tex" evidently originated with Mr. Clark, who added the suffix "tex" to the word "tufa" on account of the beautiful texture of the rock. Mr. Clark stated that he has sold 10 to 15 tons in the past 3 years, mostly for experimental work, but that now he is not selling any, awaiting the outcome of the Union Carbide exploration project. Mr. Clark has constructed a number of table tops, boxes and other items from the material, and coated these with some form of plastic. These items, being kept in his home in Bowie appear quite attractive. I would say that the material can be used for interior decorations and paneling, but that it is too soft for building stone which has to support considerable weight, and that it would deteriorate by weathering when exposed to sun and rain, unless a suitable protective coating was applied.

Mr. Clark states that some drilling for oil was done on his property about 3 to 4 months ago by some parties (Mr. Lathin et. al.) who had an oil and gas lease. This drilling, he states, showed the clay, which he called bauxite, to occur down to a depth of 637 ft., which was the bottom of the hole.

After this hole was drilled, Mr. Clark located the additional claims, and now states that he has a total of 52 claims.

Mine Workings I examined 3 small open cuts on Mr. Clark's claims, where the yellowish-orange rock, which he called "tufa-tex" had been quarried and stockpiled for later use.

Possible Uses

(1) Zeolitized volcanic ash (Tufa-tex)

Tests are now being made at the laboratories of the Union Carbide Nuclear Co. at Grand Junction, Colo. to ascertain possible uses.

(2) Fine grained sedimentary deposit of clay (which Mr. Clark calls "bauxite")

The conclusions reached by the U. S. Bureau of Mines laboratories are as follows:
 " There would be a possible chance of using this clay for a plastic mixer to be blended with other less plastic clays and sand to make common bricks, if fired at 1800 deg. Fahr. or less "

Proposed Plans Mr. Clark hopes to sell his claims to Union Carbide Nuclear Co. or to some other company. He values 28 claims, which he says contains only tufa-tex at \$ 250,000, and values his entire holdings of tufa tex and bauxite at \$ 4,000,000.

Mine Claim

Fever Rises

Republic ?
Near Bowie

4-22-61
By DORIS STURGIS

See: "ALUMINUM" file (Corres.files)
(Corres.files)