



CONTACT INFORMATION

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

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PRIMARY NAME: TUFF MINE

ALTERNATE NAMES:

CONCRETE INDUSTRIES

MARICOPA COUNTY MILS NUMBER:405

LOCATION: TOWNSHIP 2 N RANGE 9 E SECTION 8 QTR. NW
LATITUDE:N 33DEG 32MIN 06SEC LONGITUDE:W 111DEG 27MIN 20SEC
TOPO MAP NAME: MORMON FLAT - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

PUMICE-(M)VOLCANIC ASH-PRIMARY

BIBLIOGRAPHY:

USGS MORMON FLAT QUAD

ADMMR TUFF MINE

ADMMR "U" FILE

Active Mines List Sept. 1958

Active Mines List Feb 1959

Beck Environmental and Remediation, Ltd.

772 S. Holmes Road
Apache Junction, Arizona 85219
480-671-1365/480-983-1558 fax

ADEQ UST Qualified #1279
Certified Remediation Specialist # 34766

January 7, 2009
Project No. 10049

Mr. John P. Boyle
1650 S. Arizona Avenue
Chandler, AZ 85286-7122

RE: **Rose Claim for Clinoptilolite (Zeolite) Occurrence**
 Section 8, T2N, R9E
 Maricopa County, Arizona

Dear Mr. Boyle:

Beck Environmental and Remediation, Ltd. (BEAR) has prepared this letter report on the Rose claim located in the northeast portion of Maricopa County within the Goldfield Mountains (Figure 1). The claim is located on the former Concrete Industries, Inc. (Arizona Precast) quarry, which was used for light weight rock additive for their production of plastic panels or mixed into stucco (Figure 2). An estimated 60,000 tons of material was mined during from 1956 thru 1962. The general operations by Concrete Industries, Inc. is described in the 1957 Arizona Department of Mineral Resources field engineers report (Attached). (The quarry is approximately 12 miles from Interstate I-10 north on Arizona State Highway 88 (Apache Junction, Arizona) by an existing, rough grade road.) → *WRONG DIRECTIONS*

JPB

Geologic Description

This property is located within the Goldfield Mountains, just west of the Superstition Mountains and south of Canyon Lake. This region is characterized by extensive volcanic formations known as the Superstition Volcanic Field. The region and the geologic units were redefined in 2001 by Ferguson and Trapp in the Arizona Geological Survey Open File Report 01-06. The following discussion on the geologic units is derived from this latest work on the Superstition Volcanic Field.

The Goldfield Mountains are now defined with three different geologic units, all of which have ages that range from 18 to 22 million year old (Miocene). The exposed units are the Rhyolite of Bulldog Canyon, Whitetail Formation, and the Pass Mountain Unit of the Superstition Group.

The rocks exposed at this property are part of the Pass Mountain Unit and an undescribed laccolith unit. The Pass Mountain Unit is approximately 100 meters (330 feet) in thickness and covers most of the Goldfield Mountains. An estimated volume of 10 cubic kilometers. In general, this unit consist of dacitic lavas with some rhyolite lavas.

Intruded into the Pass Mountain Unit at the quarry location is an undescribed laccolith unit. This laccolith has localized portions with the development of zeolites. The main zeolite described from the area is Clinoptilolite (see attached XRD report). This laccolith appears to be one of at least three such intrusives in the area. The other laccoliths are located to the northeast within the Superstition Wilderness boundary.

Claim Description

The Rose claim was established in 2001 and consists of 4x4 inch wood posts at the claim corners. The Rose claim is 1320 feet by 1320 feet along east-west and north-south lines. The map location is approximate, since the claims are located in an unmonumented section area. The only monuments in the area are USGS benchmarks along Hwy 88. See Figure 2.

Nearly centered within the Rose claim is a quarry that was mined from the late 1950 thru the early 1960's for light weight additive for their concrete products. The existing quarry is approximately 410 feet wide (east to west) and 285 feet long (north to south). Within the quarry, there two distinct benches: upper and lower. The upper bench (up to 18 feet above the lower bench) was used for access to the upper sections of the quarry. Based on the extent of the apparent quarried area, it appears that at least 60,000 tons of material was removed from this quarry. The quarry is located approximately 35 feet above Hwy 88. See Figure 3.

The southern end of the quarry appears to be bounded by a fault. There is at least a 150 feet change in relief from the quarry to the top of the exposed rock south of the fault. The exposed rock appears to be part of the Pass Mountain Unit and is an ignimbrite, typical of the Pass Mountain Unit. This unit can be described as a volcanic flow breccia with distinct layering. This unit has portions that have been siliceously replaced and other portions with variable zeolite content. The Pass Mountain Unit is also the capping unit of the laccolith on the northern side of the quarry.

Within the quarry, the laccolith upper contact can be traced along most of the outer walls of the quarry and is quite distinct. The edge of the laccolith near the contacts is high siliceous. Also, the laccolith is siliceous along the northern crosscut fault.

The exposed laccolith on the quarry floor is mainly zeolite. There are numerous siliceous dike like features that run across the floor of the quarry and are 0.3 to 1 foot wide and appear to be dipping nearly vertical.

Estimate of Zeolite

The apparent remaining zeolite is within the upper bench and to an unknown depth below the existing floor. Taking the exposed upper benches, there is between 14,000 and 18,000 cubic yards of materials. Since the depth of the zeolite within the laccolith is unknown an upper possible upper limit can not be made. For every 10 feet in depth, it can be expected that there is 30,000 to 35,000 cubic yards of materials within the quarry boundaries.

Depending on the location of the stem of the laccolith, additional depth of the zeolite bearing rock could extend to a significant depth.

Recommendations

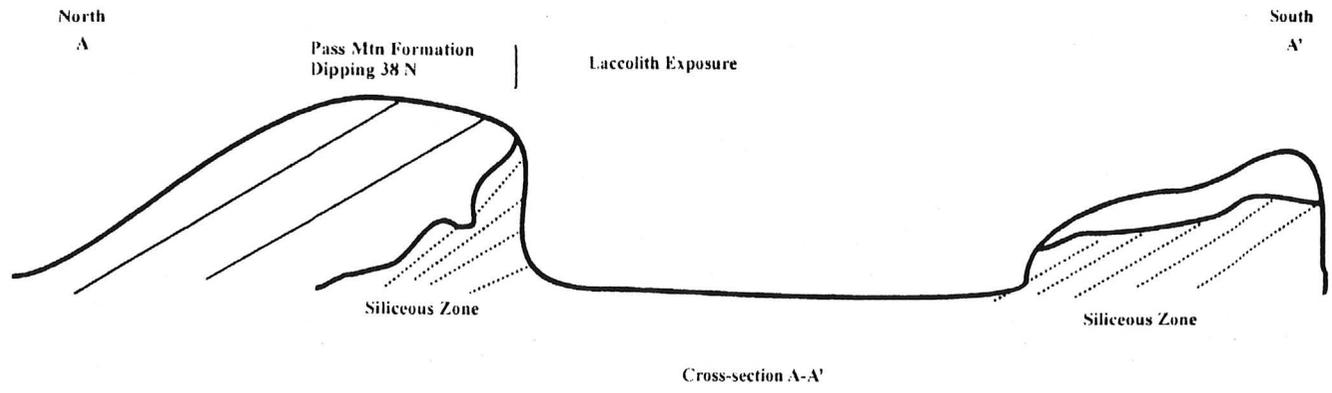
The depth of the zeolite bearing rock in the floor of the quarry area should be explored (drilled and sampled) to provide sufficient information to determinate the amount of zeolite present within the claim area.

If you have any questions, please call me (480) 671-1365.

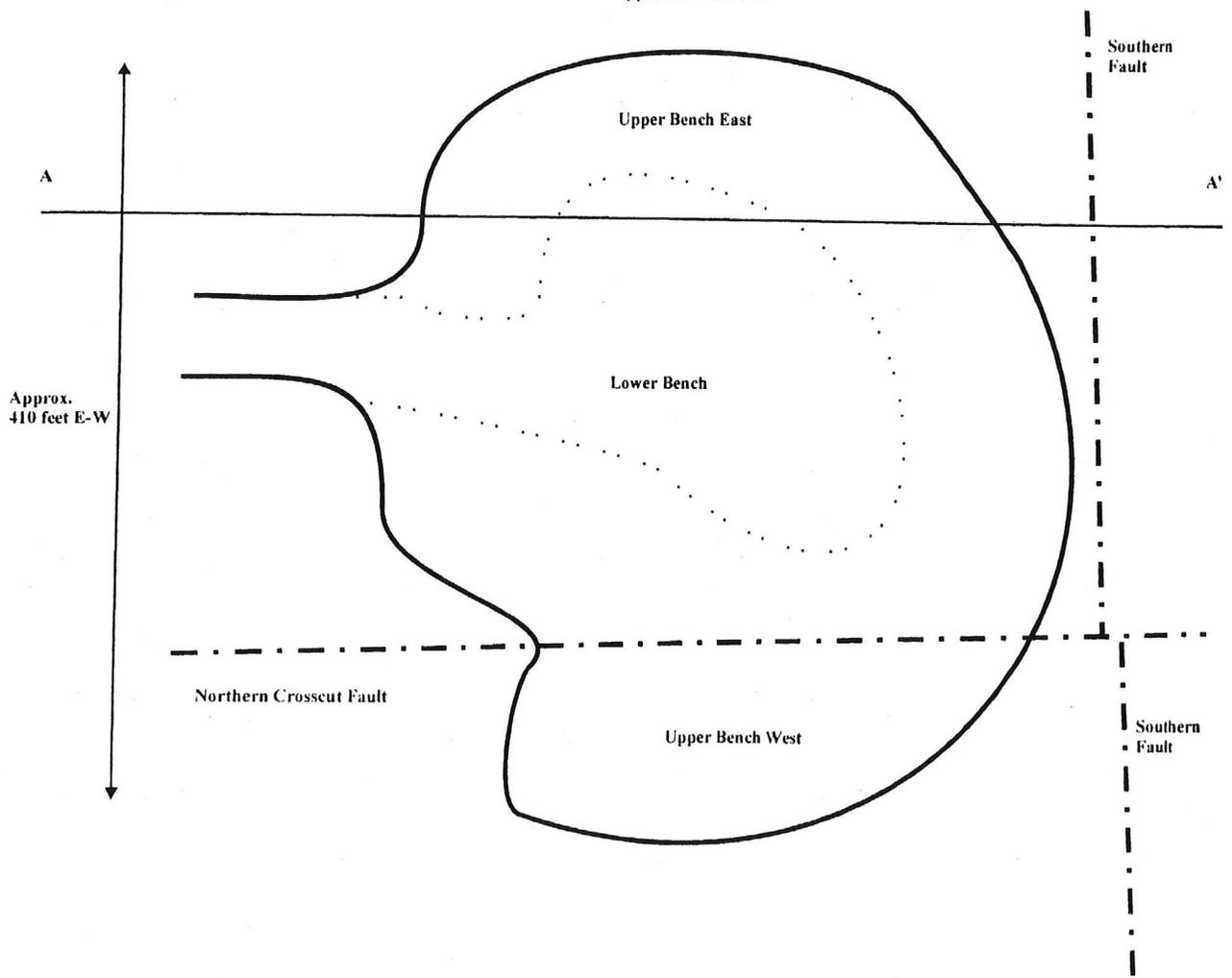
Sincerely,
Beck Environmental and Remediation, Ltd.

A handwritten signature in black ink, appearing to read "Brian A. Beck", with a long horizontal flourish extending to the right.

Brian A. Beck, PG CRS
Vice President



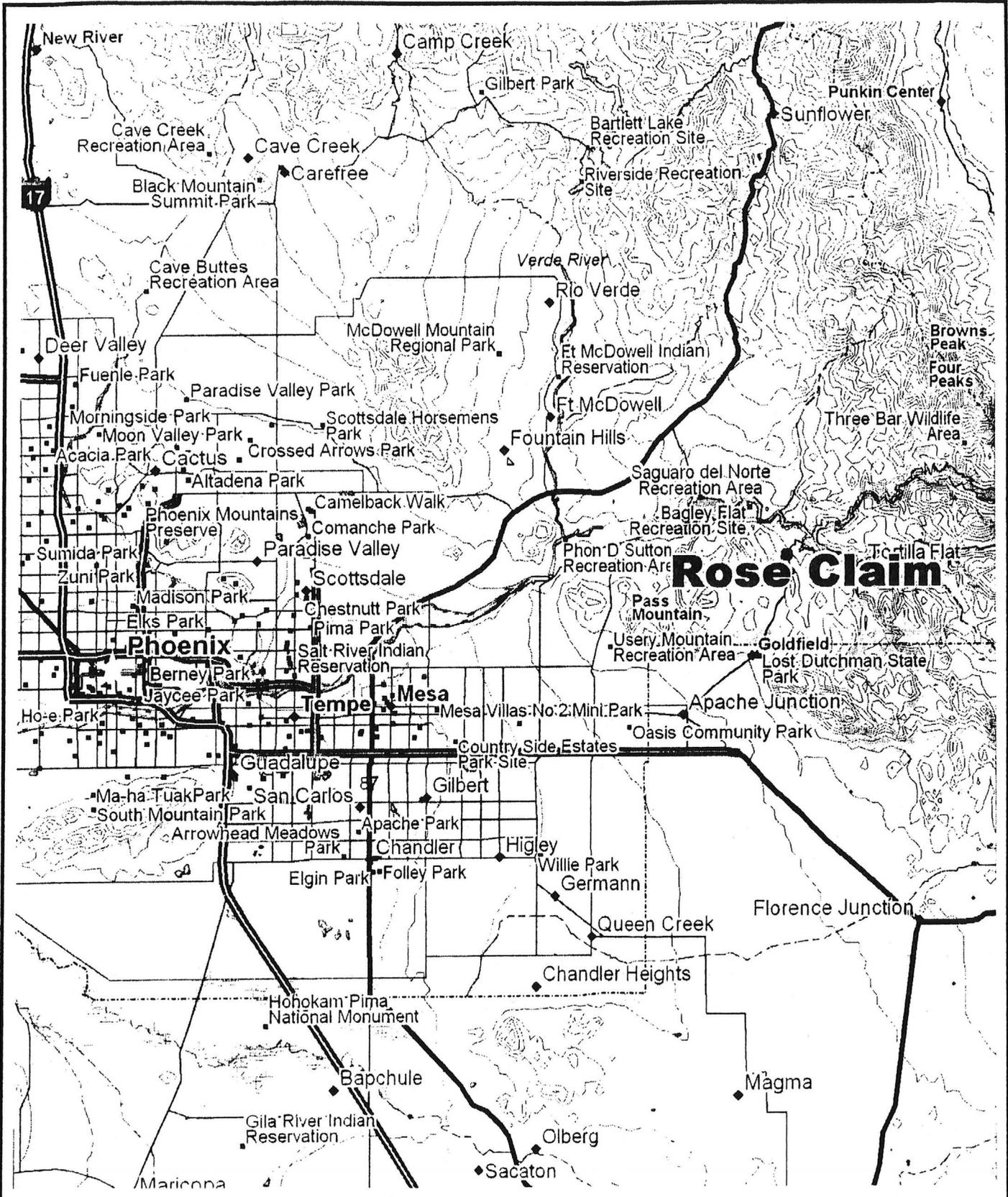
Approx. 285 feet N-S



Beck Environmental And Remediation, Ltd.
 772 S. Holmes Road
 Apache Junction, Arizona 85219
 480-671-1365

Plot of Quarry
 Rose Claim
 T2N, R9E, Section 8
 Maricopa County, Arizona

PREPARED BY: BAB	PROJECT NO.: 10049
APPROVED BY:	FIGURE NO.: 3
DATE: 01-09	



**Beck
Environmental
And
Remediation, Ltd.**

772 S. Holmes Road
Apache Junction, Arizona 85219
480-671-1365

Claim Location

**Rose Claim
T2N, R9E, Section 8
Maricopa County, Arizona**

PREPARED BY:

BAB

PROJECT NO.:

10049

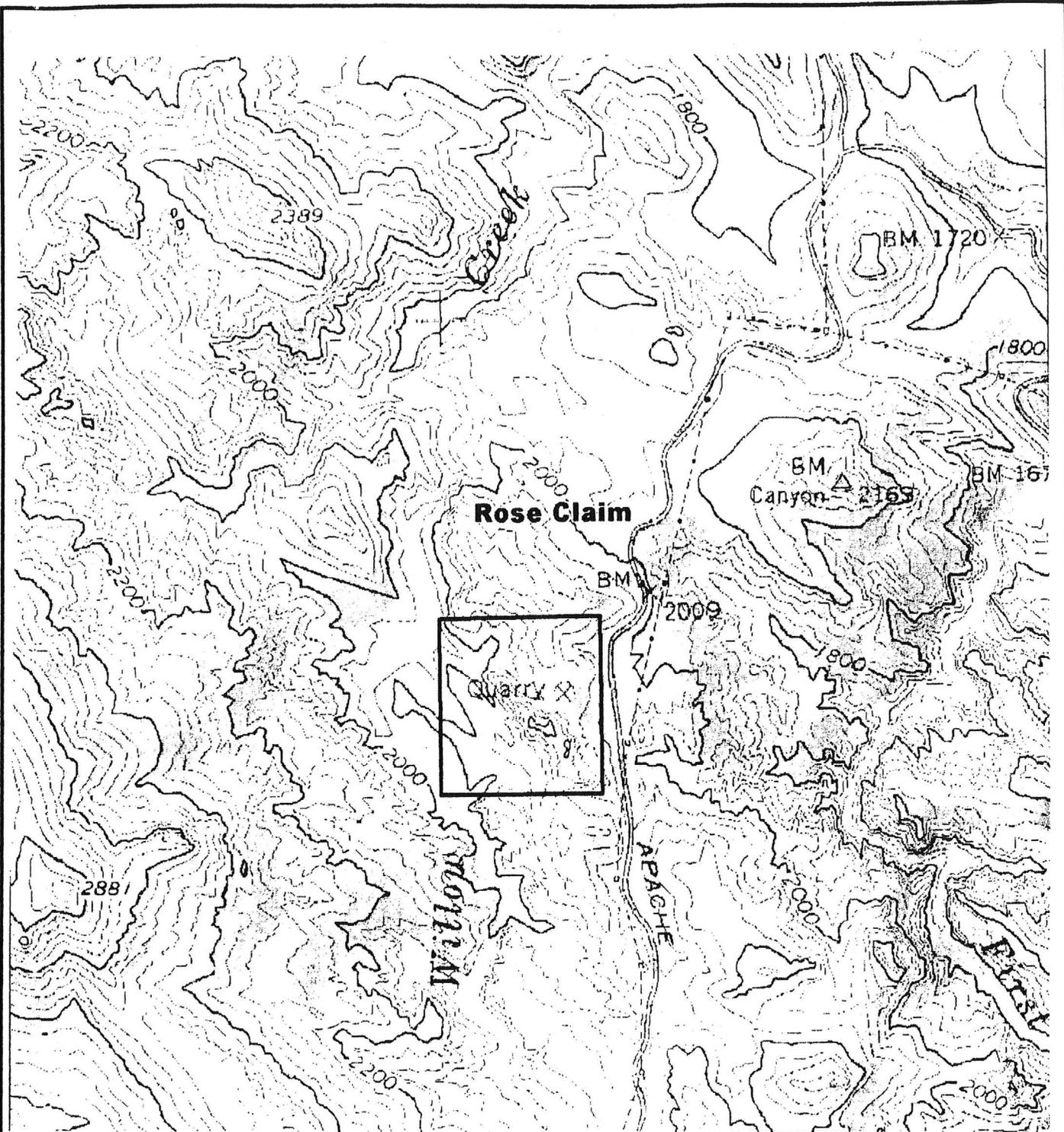
APPROVED BY:

FIGURE NO.:

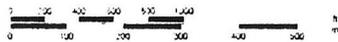
1

DATE:

01-09



Scale 1 : 12,800
1" = 1070 ft



TN
*
MN
A
118°E

**Beck
Environmental
And
Remediation, Ltd.**

772 S. Holmes Road
Apache Junction, Arizona 85219
480-671-1365

Claim Location

Rose Claim
T2N, R9E, Section 8
Maricopa County, Arizona

PREPARED BY:

BAB

PROJECT NO.:

10049

APPROVED BY:

FIGURE NO.:

2

DATE:

01-09

FROM THE BOOK TITLED "ARIZONA ZEPHYRITES" PUBLISHED
BY ADMMR.
ROSE #1 CLAIM

* The Mormon Flat Lake - Salt River Clinoptilolite Occurrences

Clinoptilolite occurs in Tertiary volcanics exposed in a road cut on Arizona Route 88, 12 miles northeast of Apache Junction, Arizona. The occurrences are along the south side of Mormon Flat Lake at the lookout point and in a road cut three miles northeast of the lookout point. The tuff beds were probably ignimbrites, in which ground water or hydrothermal solutions altered the glassy matrix to clinoptilolite.

The Muggins Mountains Clinoptilolite Occurrences

The clinoptilolite-bearing tuffs crop out in the foothills of the Muggins Mountains on the north side of the Gila River in the N. 1/2, Section 23, T.8S., R.19W., and a quarter of a mile west in the NW 1/4, Section 23, T.8S., R.19., northwest of Wellton, Arizona. Topographic coverage of the area is provided by the 1:62,500 Wellton quadrangle.

Clinoptilolite occurs both in a hard, white, altered vitric tuff bed a foot thick, and also in the overlying three foot thick bed of grayish-white altered ash tuff. A quarter of a mile west in the NW 1/4 of Section 23, clinoptilolite occurs in a 15 foot thick bed composed of a lower bed five feet thick of altered white rhyolite tuff or flow, a four foot thick bed of altered thin-bedded white tuff, and a six foot thick bed of altered grayish-white sandy tuff. About 150 feet west of this locality a bed of white ash altered tuff crops out near the bottom on an arroyo. This bed is principally high purity clinoptilolite.

The Picacho Reservoir Analcime Occurrence

Analcime occurs in a Tertiary age siltstone in the vicinity of Picacho Reservoir. The occurrence is in Section 25, T.7S., R.8E.

The Proto Canyon - Nogales Clinoptilolite Occurrence

Clinoptilolite occurs in Tertiary age sediments in road cuts along Arizona

John Boyle
1650 S. Arizona Ave. # 5
Chandler, AZ. 85286-7151
Tel: 480-814-1583
Email: jpboyle@live.com

Aug. 3, 2009

Al Defalco
Phoenix, AZ.

Hi Al;

Enclosing some information on the Rose Claim located approx. 12 miles northeast of Apache Junction. It's a 40 acre unpatented claim. The claimants are myself and my sister Rose Mary Boyle. The claim consists of a zeolite deposit estimated to be 18,000 cubic yards by geologist Brian Beck, a qualified person. There are many websites on the net that describe the many industrial applications of zeolites..

I won't know until after August 8th if the claim will be available for sale, since another party is interested in buying or leasing it.

I'm attaching a small topo map of 16 eighty acre claims in Gila County, AZ. approximately four miles east of Punkin Center that we have claimed also. They're federal BLM claims. The claims contain large "chabazite" zeolite deposits. The claims in Section 8 are reported to have uranium prospects, but so far my assays show very little U and a very small amount of thorium.

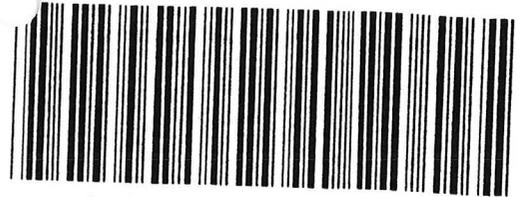
I'll let you know after Aug. 8th if the claims are still available.

Thanks for your interest,

Sincerely,



John Boyle



OFFICIAL RECORDS OF
MARICOPA COUNTY RECORDER
HELEN PURCELL
2001-0201603 03/15/2001 10:58

NOTICE OF MINING CLAIM LOCATION

- 1. TYPE OF NOTICE: Location Amendment Relocation
- 2. TYPE OF CLAIM OR SITE: Placer Lode Millsite Tunnelsite
- 3. The name, address and telephone number of the name(s) to be considered owner(s) is:
PLEASE PRINT (show additional owners on attached sheet)

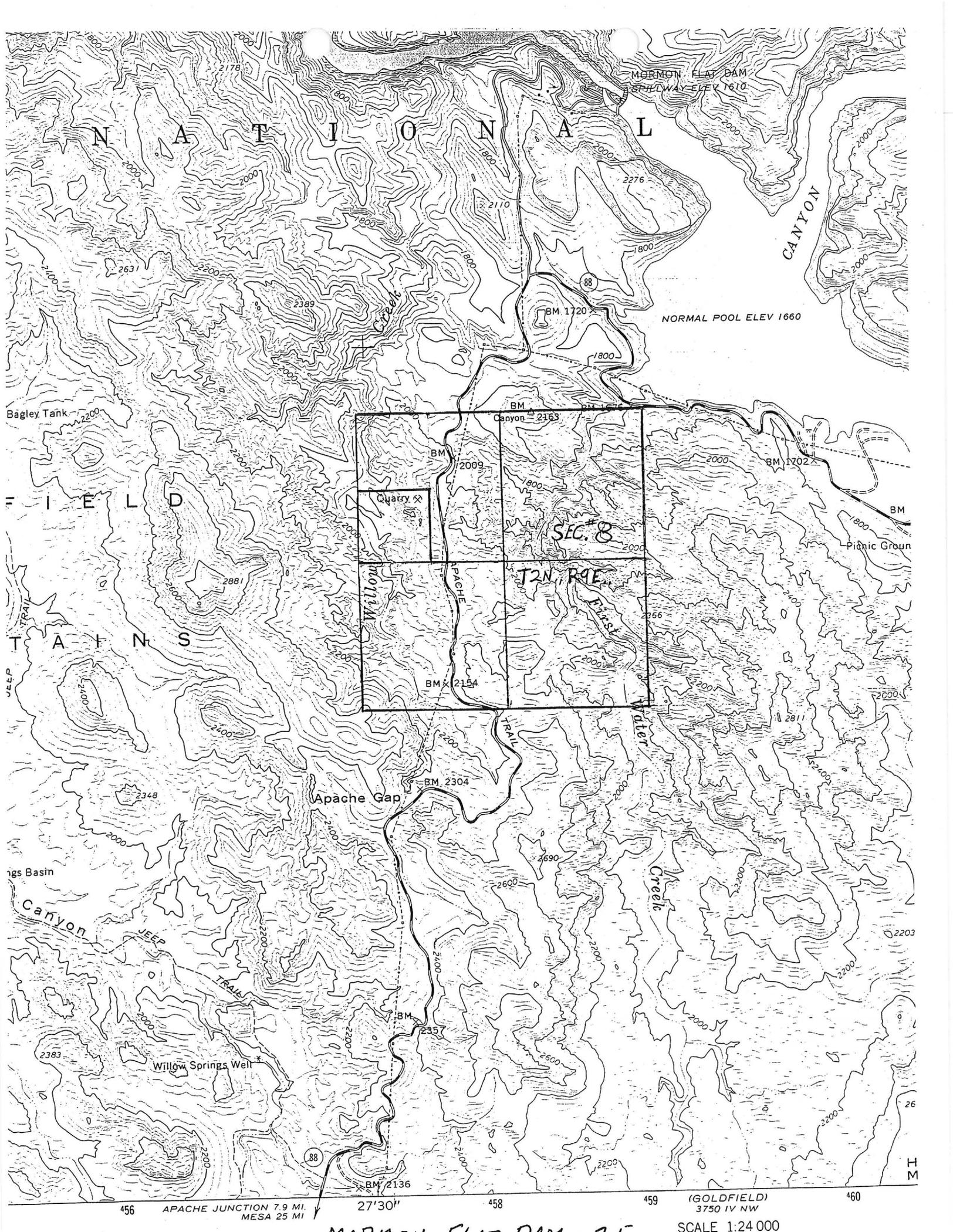
Name: Rose Mary Boyle and John Philip Boyle
 Address: 1750 West Boston Street, Apt. # 1096
 City/State/Zip Code: Chandler, Arizona 85224
 Telephone Number (include area code): (480) 814-1583

RECEIVED
 COUNTY RECORDER OFFICE
 2001 MAR 15 A 10:32
 MARICOPA COUNTY ARIZONA

- 4. The name of the claim: Rose # 1
- 5. The date of location is: February 17, 2001
- 6. The claim is 1320 feet long and 1320 feet wide. The distance from the location monument to each end of the claim is 660 feet in a North direction and 660 feet in a West direction.
- 7. The Northeast corner of the claim is 160 feet in a west direction
 from a survey monument or permanent natural object described as A permanent object
 described as the west edge of State Highway 88.
- 8. The general course of the claim is from the North to the South.
- 9. The location of the claim is in Section(s) Eight - 8, Quarter Section(s) Northwest,
 Township(s) 2 North, Range(s) 9 East, Gila and Salt
 River Meridian, Maricopa County, State of Arizona.
- 10. Is the claim filed under Public Law 359? yes no
- 11. Monument types are 4" X 4" wooden posts and rocks
 Claim description: The claim is the southwest quarter of the
northwest quarter of section 8, Township 2 North, Range 9 East,
GSRB&M, Maricopa County, Arizona.

AMC 355332

Date 3-15-01 Signature John P. Boyle Locator Agent Only



MORMON FLAT DAM
SPILLWAY ELEV 1610

CANYON

NORMAL POOL ELEV 1660

SEC. 8

T2N R9E

Apache Gap

Willow Springs Well

CANYON

456 APACHE JUNCTION 7.9 MI.
MESA 25 MI

27'30"

458

459 (GOLDFIELD)
3750 IV NW

460

SCALE 1:24 000

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine CONCRETE INDUSTRIES, INC. Date September 18, 1957
District Canyon Lake (Goldfield Dist.) MARICOPA CO. Engineer Lewis A. Smith
Subject: ARIZONA PRECAST CO., 213 So. Alma Road, Mesa.

This Company produces 2000 tons of "Tuffa" (volcanic Tuff), at its mine near Canyon Lake, per month. A chemical analysis of this tuff is as follows:

70%	SiO ₂
12%	Al ₂ O ₃
3%	Fe
5%	CaO
10%	Water and misc.
<u>100%</u>	

The Company maintains a 20" x 38" jaw crusher, a 20" x 22" impactor, 4' x 12' Screen, #25 Northwest Shovel, 2 Caring #60 Dumpers, 1 Cleveland wagon drill which employs 2 drill carriages. 4" tungsten carbide-insert bits are used and 22,000 feet is the average pre-sharpening footage obtained. Drill steel lasts 35,000 feet. The cost of the tuff on the trucks is \$5.00 per ton.

The crushed tuff is transported to Mesa by contract truckers at a cost of \$1.50 to \$1.75 per ton. The trucks haul 22 tons per load.

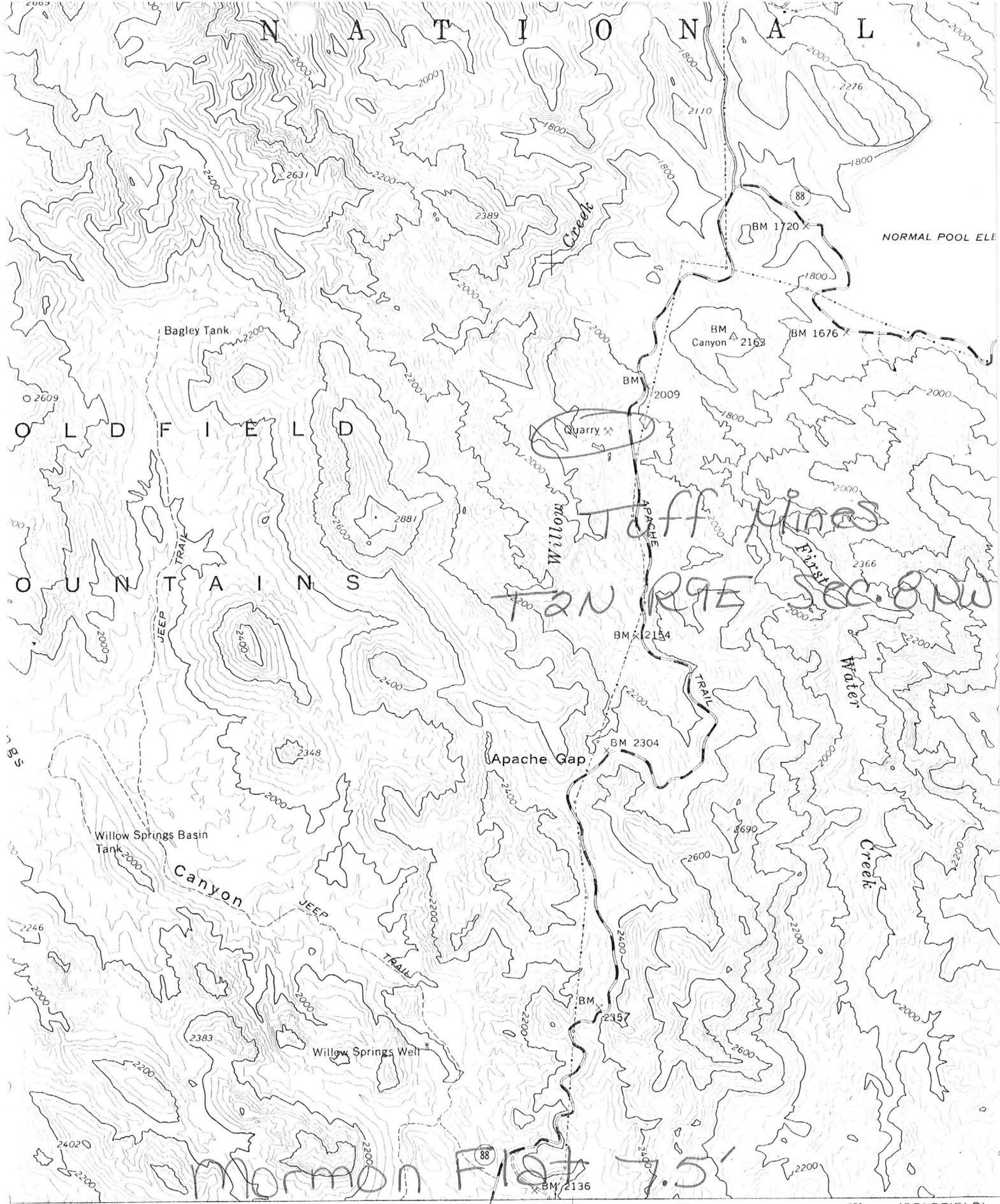
The tuff is mixed with cement and coarse sand in the following proportions:

Tuff	70%
Sand	25%
Cement	8%

The mixture is wet-mixed and then cast into numerous shapes by means of steel forms or plaster paris molds. After casting the shapes are treated with steam at 160°F for 24 hours. They, then, are stacked and cured for 22 days before they are sold.

Fines are cast into plastic pannels or are mixed into stucco.

LAS:fh



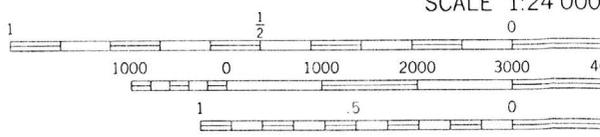
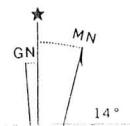
0 FEET 455 456 APACHE JUNCTION 7.9 MI. MESA 25 MI 27'30" 458 459 (GOLDFIELD) 3750 IV NW

by the Geological Survey

SCALE 1:24 000

Methods from aerial
checked 1964

American datum



CONTOUR INTERVAL

CONCRETE INDUSTRIES, INC.

MARICOPA COUNTY

Information from Mine Inspector's Office - August 15, 1957

Concrete Industries Inc. Canyon Lake - Goldfield District Maricopa County
2 claims Jan. 1957

Arizona Precast Co., 213 S. Alma Road, Mesa
Pres. - Hodgert, C. L., 128 W. Mariette Road, Phoenix
Sec'y. - Bill Bishop, Phoenix
Supt. - R. W. Loumester, 44 S. Temple Drive, Mesa

Tuff 2000 tons per mo. from Canyon Lake (5 men)

LAS
