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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LOTHMANN-SCORPION BERYLLIUM

ALTERNATE NAMES:
BREADPAN AREA

GILA COUNTY MILS NUMBER: 443

LOCATION: TOWNSHIP 9 N RANGE 12 E SECTION 23 QUARTER SW
LATITUDE: N 34DEG 06MIN 23SEC LONGITUDE: W 111DEG 05MIN 50SEC
TOPO MAP NAME: BUZZARD ROOST MESA - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
BERYLLIUM

BIBLIOGRAPHY:
ADMMR LOTHMANN-SCORPION BERYLLIUM MINE FILE
AZBM BULL 180, P. 106
MEEVES H C NONPEGMATITIC BERYLLIUM OCCURENCES
USGS RI 6828, P. 16-25; 1966
CLAIMS EXTEND INTO SEC 21,22,24,25,26,27,28
MCCOLLY, R.A. "HELLS GATE ROADLESS AREA" P.
5, 8 (ADMMR GEOLOGY FILE)

05/15/86

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

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ALTERNATE NAMES:

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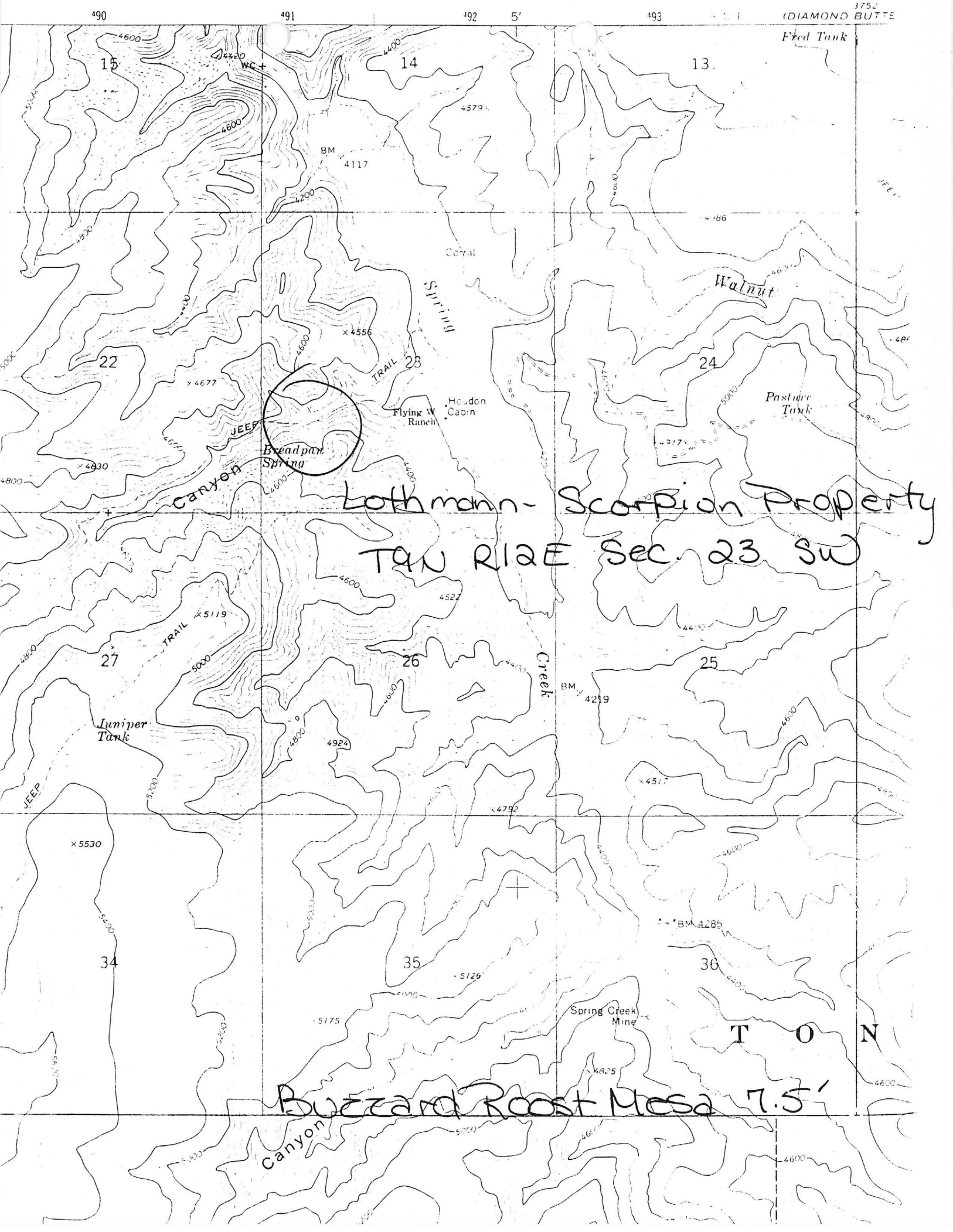
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Fred Tank

13

14

15

BM 4117

Coral

Spring

Walnut

24

Pasture Tank

Flying W Ranch
Houdon Cabin

Breadpan Spring

Lothmann-Scorpion Property
T4N R12E Sec. 23 SW

JEEP Canyon

27

26

25

Creek

Juniper Tank

BM 4219

34

35

36

Spring Creek Mine

T O N

Buzzard Roost Mesa 7.5'

Canyon

Letter from Harold Beelar, Co. Atty. of Gila County, wrote that Marvin Johnson, Atty., Luhrs Tower, Phoenix, is agent for Lothman, Dysart & Glassmire, who laid out over 100 beryllium claims in the Young area in late 1961.
LAS WR 1-30-62

Location: Sec. 21-28, T9N, R12E

Owners: Aero Space Minerals, Inc., Louis Lothman and Stella Dysart, 220 Simms Bldg.
Albuquerque, New Mexico

Mr. Reber stated that the beryllium occurs as small well-formed beryl crystals, impregnating the schist. Laminae in a shear zone (20 to 35 feet wide) that conforms closely to the foliation trend of N45°E and varies in dip. The beryl is closely affiliated with a pink orthoclase feldspar, that pinches and swells along the laminae. The feldspar varies from knife edge stringers up to a few inches in thickness. The shear zone is intensely shattered and minutely drag folded by movement in both directions.

Information furnished by Lyle Reber, geologist for project of S.H. Glassmire & Associates, 214 College St., Santa Fe, New Mexico
Memo LAS 9-1-64

Conference with S.H. Glassmire and Lyle Reber of S.H. Glassmire and Associates, 214 College Avenue, Santa Fe, New Mexico - at C. O. Carlson's house

Mr. Glassmire stated that Aero Space Corp. and United Nuclear Corp., were drilling the beryllium deposit and now had completed four 500-ft. core drill holes and were on the fifth. The beryl is in small crystals disseminated along the planes of an intimate and persistent shear zone that is 40-50 feet wide. It trends NE-SW and consistently nearly vertical. The country rock is schist some of which is amphibolitic. The beryl crystals range up to an inch long, but usually are much smaller. The drilling has, so far, indicated that the shear zone averages 0.19 percent BeO but ranges from 0.14 to 0.25 percent. Glassmire said that he was of the opinion that the material is marginal, 0.20 percent, or thereabouts, being the cut-off. Surface samples, by trenching, have been taken, at regular intervals, over a strike length of 7000 to 8000 feet. The values appear to vary somewhat in depth. (It is planned to eventually sink a hole well below 500 feet). The beryl content also varies considerably along the strike. He said that chemical analyses have indicated that certain elements were present that could cause beneficiation problems. Tests so far, by flotation and other methods, have yielded a 10 percent concentrate but indicated that the cost might be relatively high. No tungsten, molybdenum, or fluorite have, so far, been found even though these elements are often associated with beryls. Quartz, however, is fairly prevalent, particularly in the shears and schist laminae. The holes, so far, have shown a high percentage of core recovery.

Mr. Glassmire said that copies of the hole logs will be sent to the Department later on.
Memo LAS 10-27-64

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Lothmann-Scorpion Beryllium Date January 19, 1962
District Spring Valley District - Gila County Engineer Lewis A. Smith
Subject: Reported by Harold A. Beelar, Courthouse, Globe

Property: 138 claims (Lou 1-2, Stella 1-6, Scorpion 1-75 and Dysart 16-70).
Recorded August 11, 1960.

Location: Approximately Secs. 13-14, 21-23, 26-28, 33-34, T9N, R12E. 15 miles by road northwest of Young around Bread Pan Creek, a southerly tributary of Spring Creek. Houdon Mountain lies west of the area (8-10 miles airline west northwest of Young). This information was extracted from the Gila County Recorder's records.

Locators: Louis B. Lothmann, 220 Simms Bldg., Albuquerque, New Mexico.
Stella Dysart
S. H. Glassmire (also geologist) 214 College St., Santa Fe, New Mexico

Agent: Louis Lothmann

Note: A mine owner's report was sent to Mr. Louis B. Lothmann, and no reply has so far been received. 3-8-62