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05/04/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BAUER URANIUM

ALTERNATE NAMES:

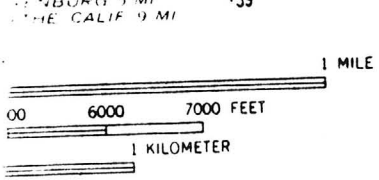
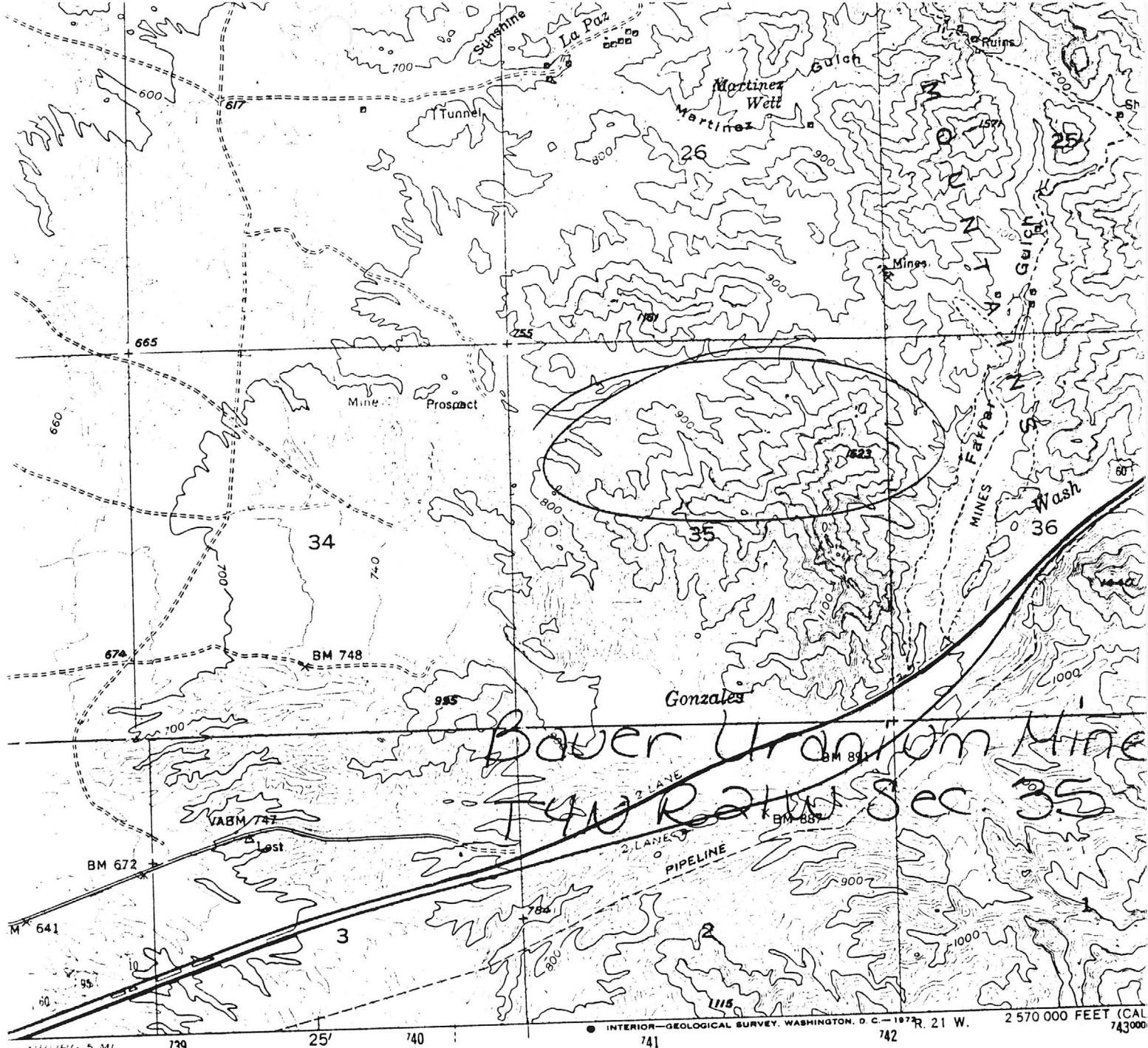
LA PAZ COUNTY MILS NUMBER: 752

LOCATION: TOWNSHIP 4 N RANGE 21 W SECTION 35 QUARTER N2
LATITUDE: N 33DEG 38MIN 45SEC LONGITUDE: W 114DEG 23MIN 45SEC
TOPO MAP NAME: LA PAZ MTN - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:
URANIUM

BIBLIOGRAPHY:
ADMMR BAUER URANIUM MINE FILE
ADDITIONAL HOLDINGS IN T4N R21W SEC. 25



FOURS

ACY STANDARDS
25. OR WASHINGTON, D. C. 20242
AVAILABLE ON REQUEST



ROAD CLASSIFICATION

Heavy-duty	Light-duty
Medium-duty	Unimproved
U. S. Route	Interstate

LA PAZ MTN., ARIZ.-
NW/4 DOME ROCK MTS 15' QUAD
N3337.5-W11422.5/7
7.5 1955
PHOTOREVISED 19

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine ☒ BAUER URANIUM MINE

Date September 9, 1957

District La Paz

YUMA COUNTY

Engineer Lewis A. Smith

Subject:

The BAUER URANIUM MINE is located straddle of the present Quartzsite-Blythe Highway and extends 1/2 mile or so North of the Highway (T4N R21W, Sections 25, 35). This is South of the Paradise Mine.

The property ownership is divided as follows:

- (1) The ☒ Orangite claim is jointly held by ☒ Mr. and Mrs. Paul Bauer but is leased to ☒ Curro Construction Company, Cleveland, Ohio, who remove a small tonnage of ore;
- (2) The remaining 6 claims are in Mrs. Paul Bauer's name. This group contains heavy placers composed of clay, gravel and heavy sands. These sands contain rare earths. ☒

The property (Orangite claim) is developed by cuts to depth of 10 feet and some trenching. The placers were pitted for assessment work.

The placer material was tested by the AEC and showed 1/5 rare earths and 1/5 titanite, mainly monazite which contains $1\frac{1}{2}\%$ U_3O_8 . The monazite contains 2/3 of U_3O_8 and 1/3 of thorite.

Insufficient work and testing has been done in order to evaluate the placers. It was believed, by the A.E.C. engineer, that they could be concentrated up to 12% of U_3O_8 by concentration.

The Orangite occurrence is in a basic dike and alongside of it, where the dike cuts schists. Orangite is a variety of radioactive thorite and has a gravity of 5.19 to 5.40. The dike was badly sheared and highly altered and probably was diabase since a few residuals show diabase texture. The diabase and the schist both are mineralized. The pale greenish tendency in some places may be due to torbernite in fine division. The schist is strongly bleached or otherwise altered next to the diabase. This may indicate that the uranium mineralization was hydro-thermal and probably associated with the diabasic intrusion. Flows in the vicinity are andesitic in character.

The placer material appears to have originated from numerous pegmatites in the surrounding schists. These have a high quartz and feldspar content.

Inactive.

9-18-57 - Mr. Smith says the Rare Earths are: ☒ Yttrofluorite
Thorite
Columbite-Tantalite