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PRINTED: 09/05/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: VANADIUM MINE

ALTERNATE NAMES:

C AND B PROPERTY  
CUTLER AND BYWATER

GILA COUNTY MILS NUMBER: 32

LOCATION: TOWNSHIP 3 S RANGE 15 E SECTION 32 QUARTER N2  
LATITUDE: N 33DEG 07MIN 58SEC LONGITUDE: W 110DEG 49MIN 56SEC  
TOPO MAP NAME: EL CAPITAN MTN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

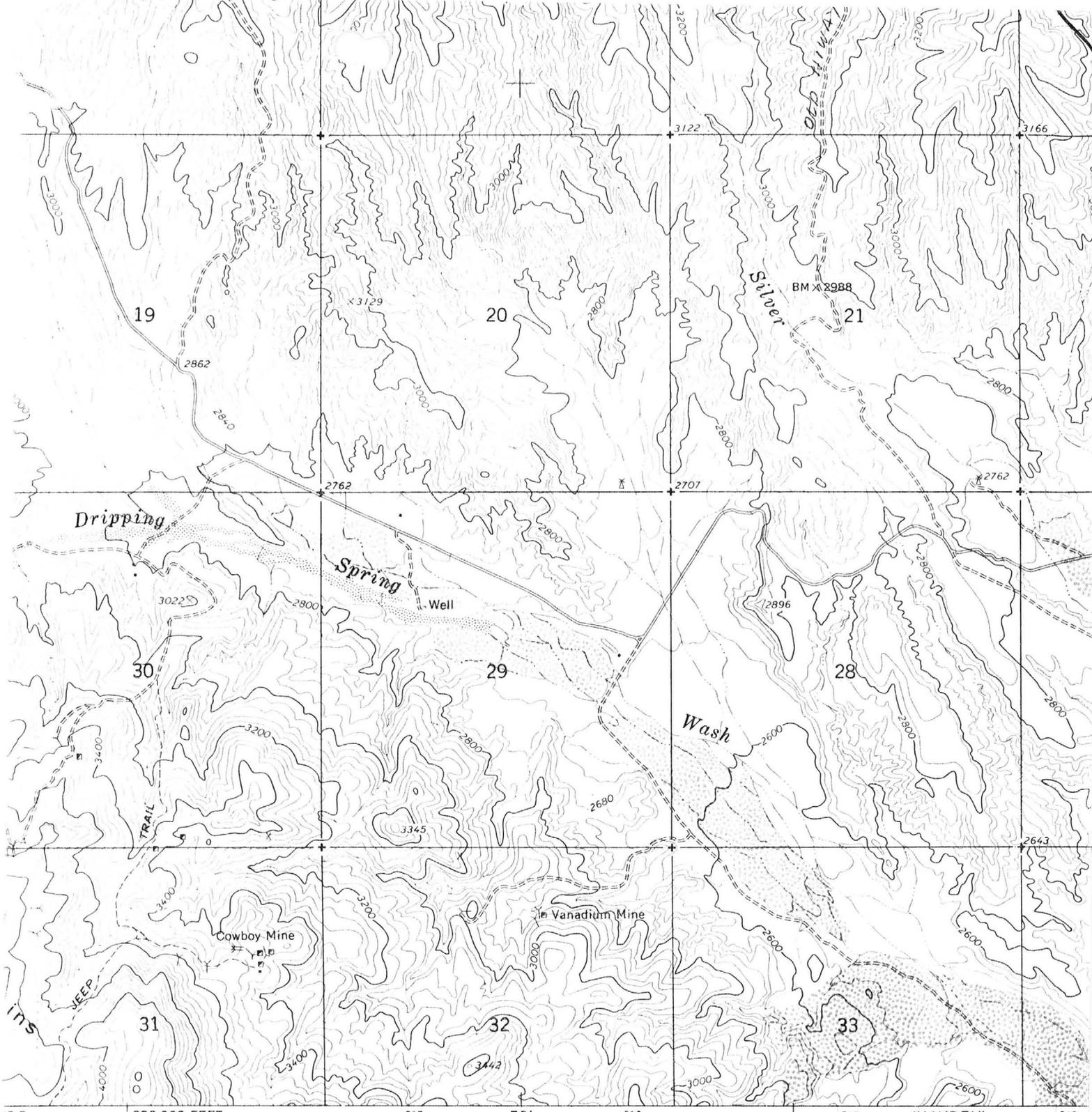
COMMODITY:

VANADIUM  
TUNGSTEN

BIBLIOGRAPHY:

ADMMR VANADIUM MINE FILE  
ROSS, C P "ORE DPSTS SADDLE MTN & BANNER MNG  
DISTS "USGS BULL 771; 1925  
MINERALOGICAL RECORD VOL II NO. 4 JUL-AUG  
1980 P 213  
ALLEN M A & G W BUTLER "VANDIUM" U OF A BULL  
*115* ~~155~~ 1921 P 11  
TENNEY J B 2ND REPT MINERAL INDUSTRIES OF AZ  
AZBM BULL 129 1930 P 90



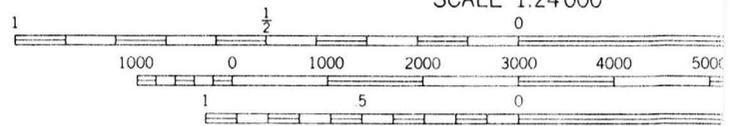


5 E. 290 000 FEET 515 50' 516 517 (HAYDEN) 3850 III SE 518

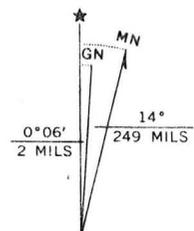
ological Survey

SCALE 1:24 000

aerial  
datum  
system, east zone  
ticks,



CONTOUR INTERVAL 40 FEET  
DATUM IS MEAN SEA LEVEL



UTM GRID AND 1964 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO. A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE.

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

Gila Co.

C & B Mine

MILS # 32  
2 AKA's  
Vanadium Mine (file)

MM-7319 Vanadinite & Descloizite  
2284 Descloizite  
7382 Vanadinite, hemimorphite  
7488 Vanadinite  
8024 Cerussite  
8025 Chromian Cerussite

VANADIUM MINE

GILA COUNTY  
BANNER DISTRICT  
T3S R15E Sec 32 NE $\frac{1}{4}$

AWB WR 8/22/80: David Riley, Phoenix, Az. and Richard Simmons visited the C & B Mine, Gila County; found small specimens of vanadinite, descloizite, calcite and chalcedony.

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CJH WR 10/21/83: Visitors: Mr. and Mrs. Milton <sup>Knapp</sup>, P.O. Box 2984, Globe, Az. 85501. Phone: none. They hold the old Vanadium Mine in NE $\frac{1}{2}$ , Sec 32, T3S R15E, Gila County. They are contemplating re-working the dump. Additionally they wanted information of mineralization in the Dripping Springs district.

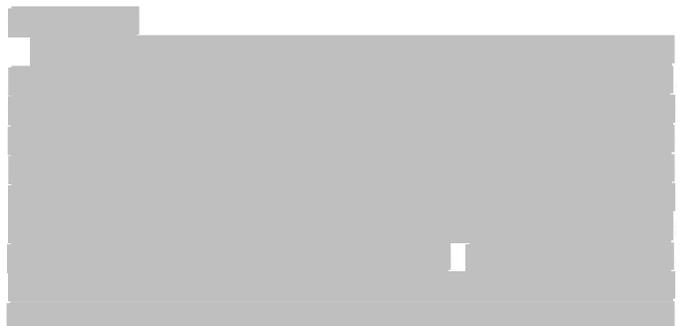
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RRB 12/2/83: Mr. & Mrs. Milton L. Knapp, P.O. Box 2984, Globe, Arizona 85501 (c) reported that they own the Vanadium Mine, Banner District, Gila Co., and they came in to reproduce our file on the property. They want to develop it as a silver mine.

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*the* **C. & B.** *mine*  
*gila county, arizona*

by  
**Jack A. Crowley**  
5881 Bellflower Drive  
Newark, California 94560



## MINES AND PROSPECTS

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PREMIER GROUP<sup>57</sup>

The Premier group, owned by S. O. Stewart, comprises 10 unpatented claims on the south side of Dripping Spring Valley 2 miles northwest of Christmas. The location shown on Plate X is only approximate. The deposit is developed by several pits and by an open cut about 25 feet long, with a drift from one end extending 20 feet to the east and a winze 12 feet deep at the end of the drift. The country rock is the Tornado limestone. The vein strikes about magnetic east, dips nearly vertically, and can be traced for about half a mile on the surface. A dike of quartz porphyry about 60 feet wide cuts the vein at a small angle. It is stained with iron oxide and appears to contain a little vanadinite. At the open cut mentioned the spongy gossan-like material extends out north of the vein and lies nearly flat along the bedding of the limestone. Above the drift the limestone is crushed and recemented by caliche-like material. The vein ranges from 10 inches to 3 feet in width and contains iron-stained, spongy quartz with vugs and cracks lined with thin coatings of vanadinite and wulfenite.

C. & B. GROUP<sup>57</sup>

The C. & B. group, owned by E. E. Cutler and Calvin Bywater, is on the south side of Dripping Spring Valley, about 9 miles above its mouth. It comprises five claims and is developed by a 20-foot shaft and two tunnels, 30 and 60 feet long, with a 10-foot winze below the shorter one. The tunnels are on a vein of oxidized material, striking approximately N. 60° E. and dipping southeast along the contact between limestone and diabase, and the shaft is on a branch of the vein, also on the contact between the limestone block and diabase but striking N. 35° W. and dipping northeast. Near by is a small outcrop of red granitic rock. Movement and brecciation have taken place along the vein fissures. The vein matter is well oxidized and for the most part soft, although silicified in places. Vanadinite and wulfenite are present in the soft material and also form coatings on brecciated diabase for a width of a few feet. Cavities left by galena crystals that had been oxidized and removed were noted at one place.

These contain vanadinite. There are some small veins on the property. A little ore has been mined, and some is reported to have been shipped during the war.

<sup>57</sup> From notes by F. L. Hess, of the U. S. Geol. Survey, taken in April, 1917.