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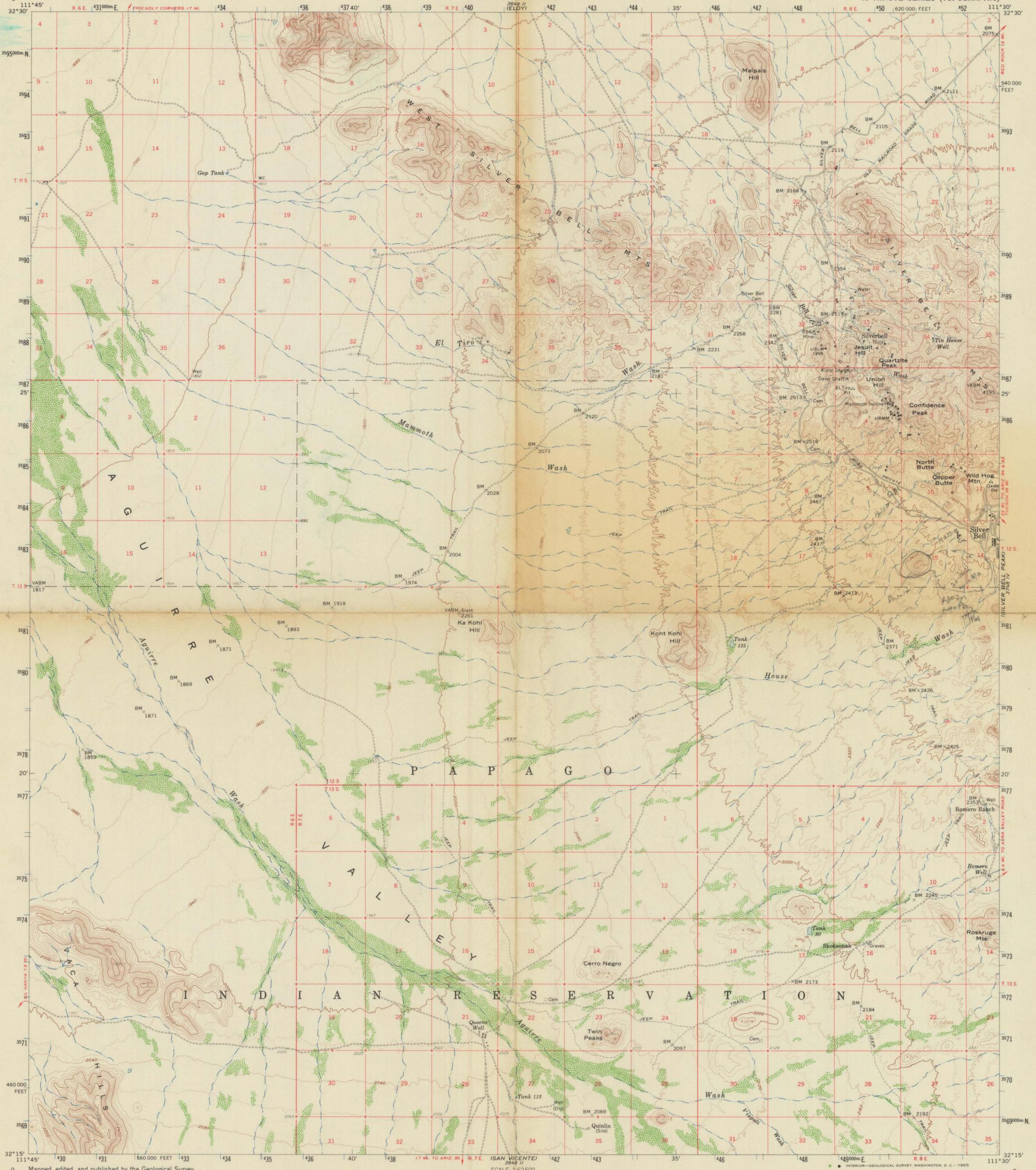
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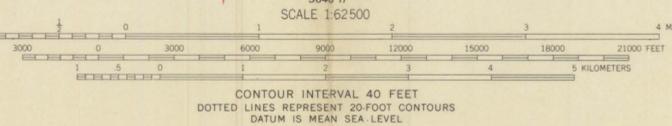
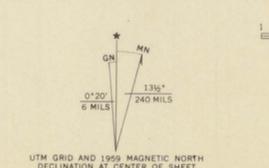
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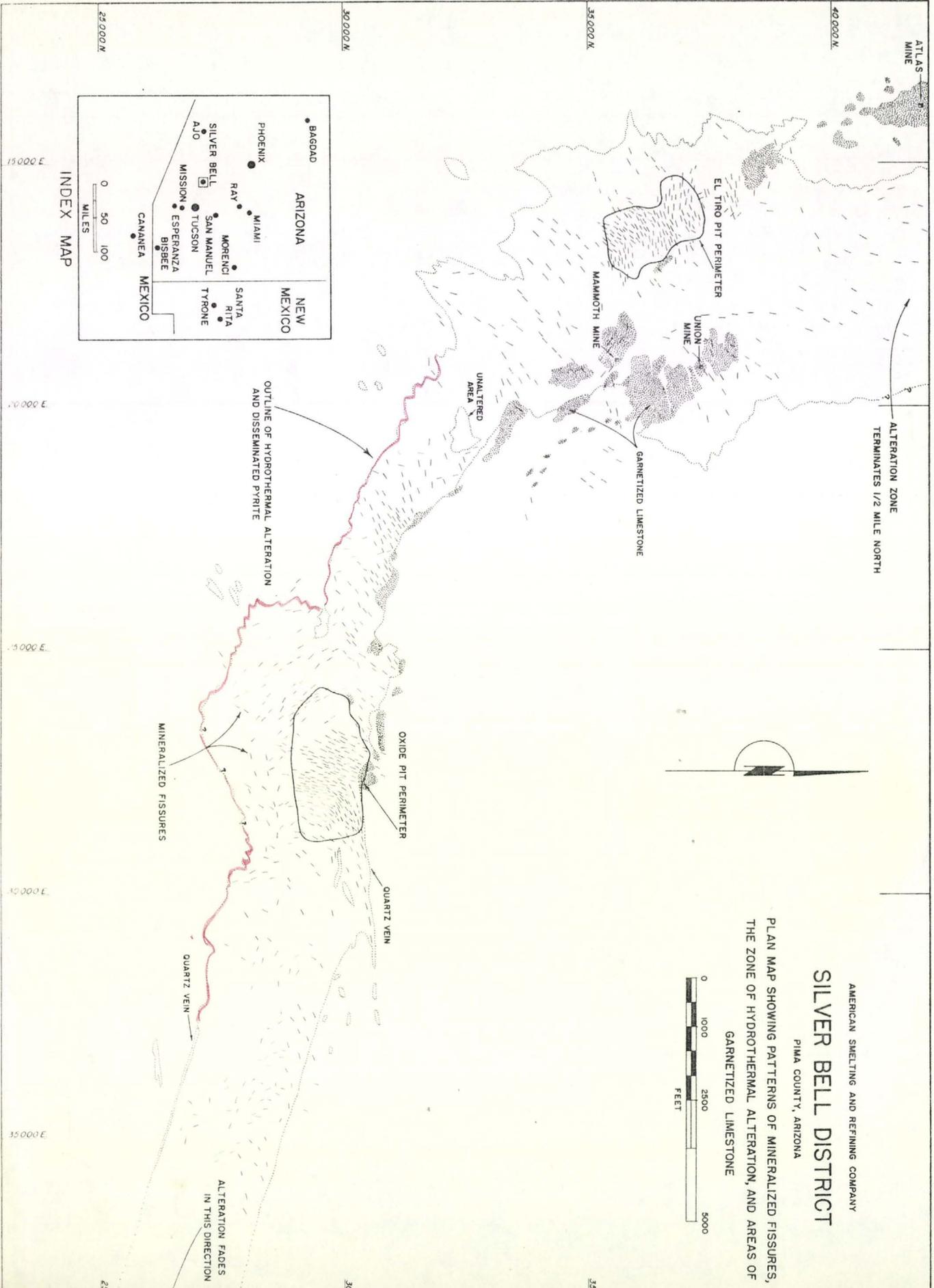
Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1958. Advance field check 1959
Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Land lines surveyed in T. 13 S.-R. 6 E. and in parts of
T. 12 S.-Rs. 6, 7 and 8 E.



ROAD CLASSIFICATION
Light-duty ——— Unimproved dirt - - - - -

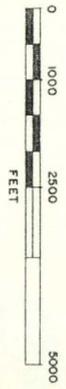
CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

VACA HILLS, ARIZ.
N3215-W1130/15
1959
AMS 3648 I-SERIES V798

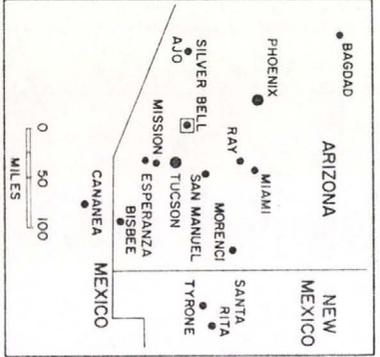


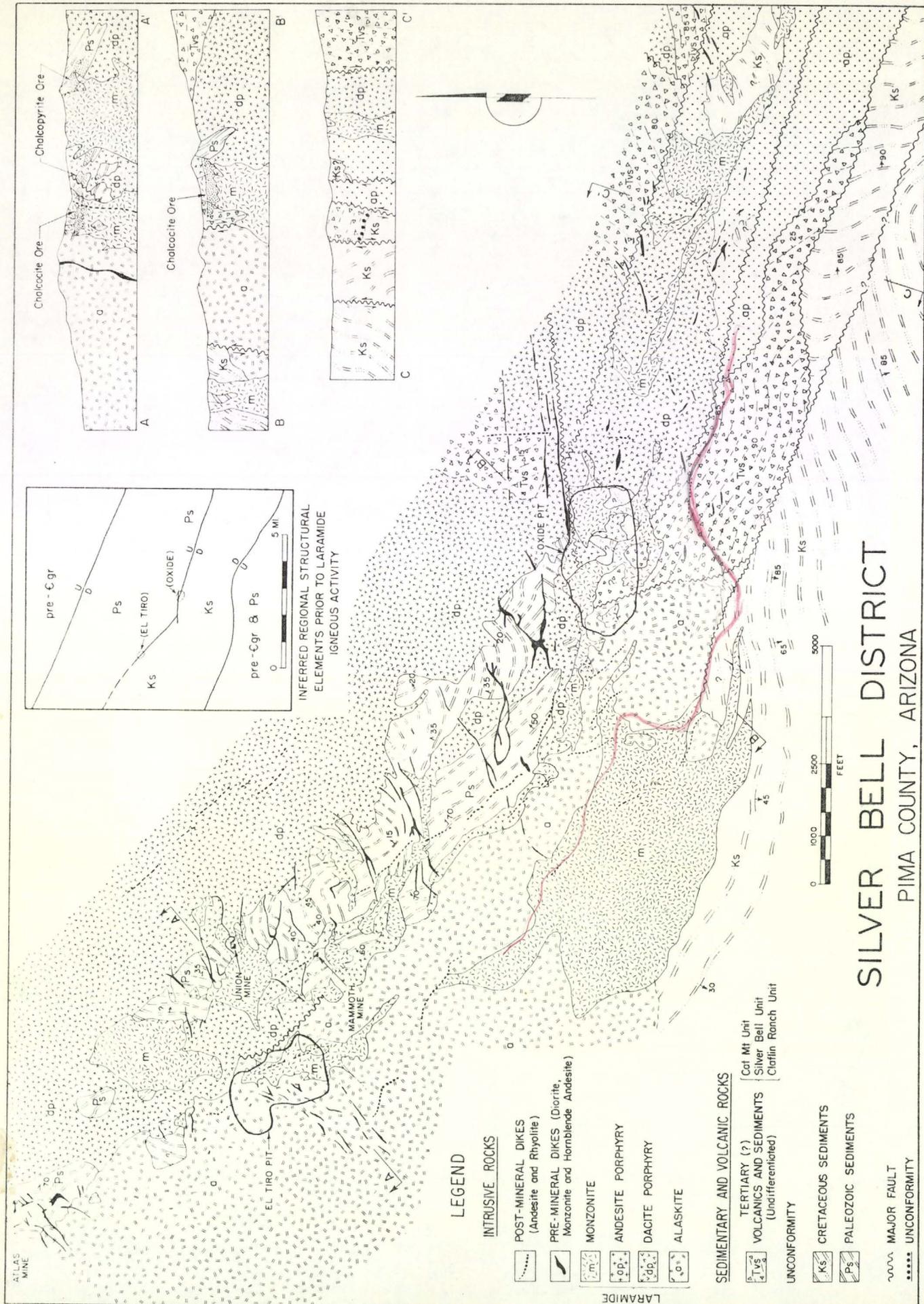
AMERICAN SMELTING AND REFINING COMPANY
SILVER BELL DISTRICT
 PIMA COUNTY, ARIZONA

PLAN MAP SHOWING PATTERNS OF MINERALIZED FISSURES,
 THE ZONE OF HYDROTHERMAL ALTERATION, AND AREAS OF
 GARNETIZED LIMESTONE



INDEX MAP

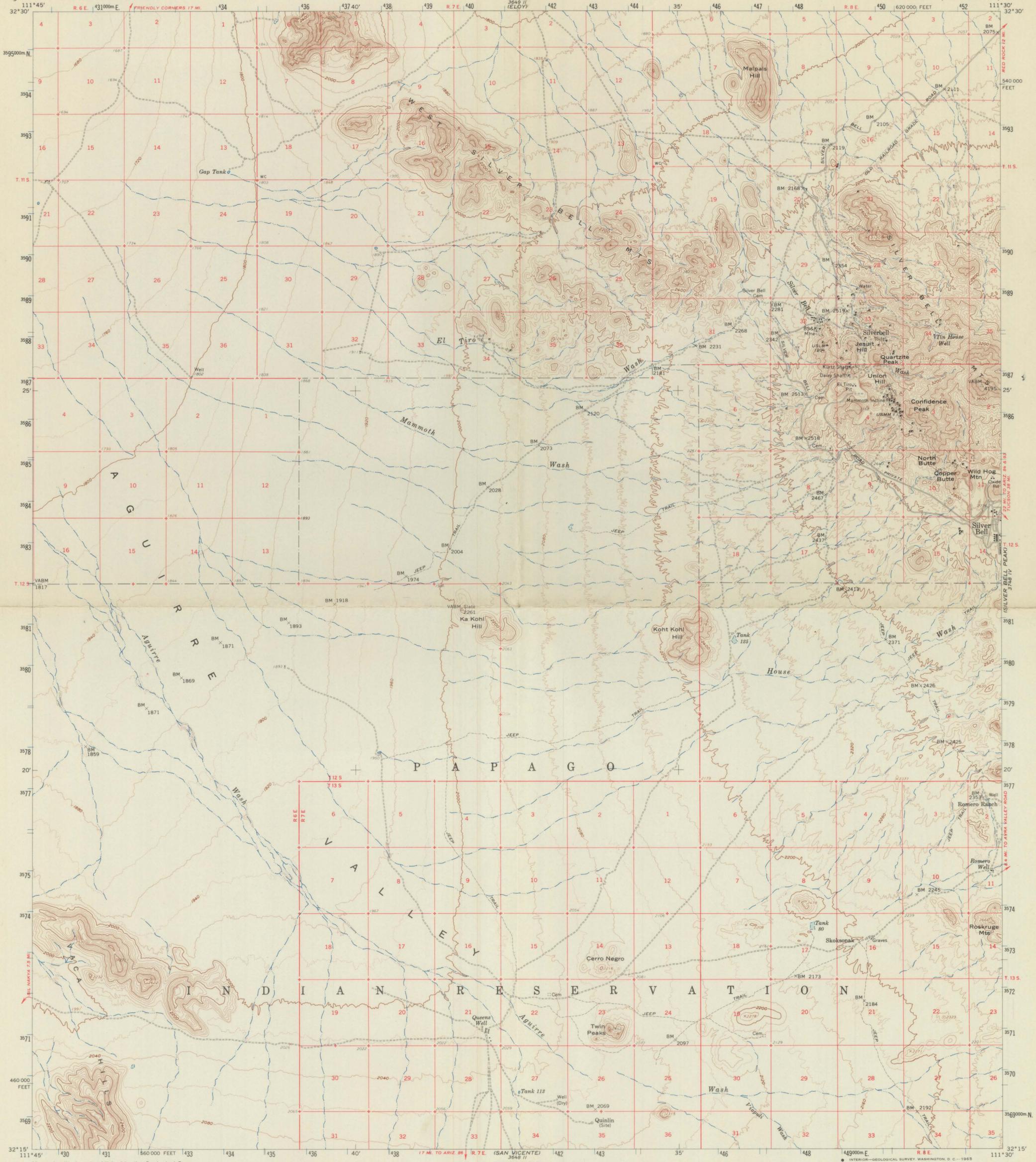




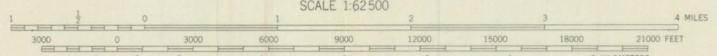
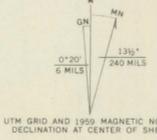
SILVER BELL DISTRICT

PIMA COUNTY, ARIZONA

FIGURE 2.



Mapped, edited, and published by the Geological Survey
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Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1958. Advance field check 1959
Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Land lines unsurveyed in T. 13 S.-R. 6 E. and in parts of
T. 12 S.-Rs. 6, 7 and 8 E.



CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

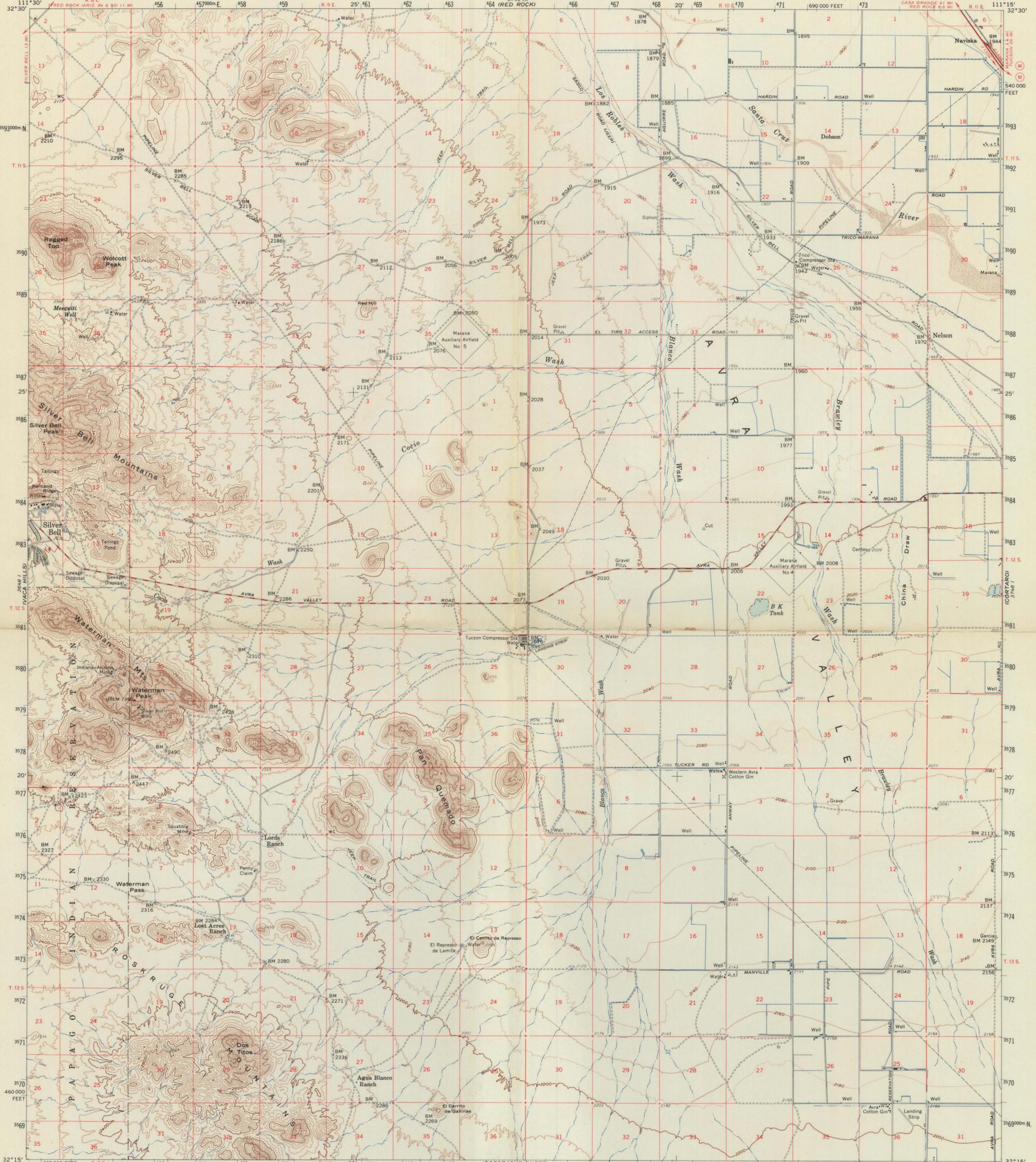


ROAD CLASSIFICATION
Light-duty ————— Unimproved dirt - - - - -

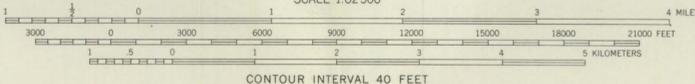
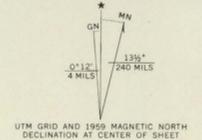
VACA HILLS, ARIZ.
N3215-W11130/15

1959
AMS 3648 I-SERIES V798

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
and by planimetric surveys. Aerial photographs taken 1958
Advance field check 1959
Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue
Land lines unsurveyed in parts of T. 12 S.-R. 8 E.



ROAD CLASSIFICATION

Heavy-duty	Light-duty
Medium-duty	Unimproved dirt
	State Route



SILVER BELL PEAK, ARIZ.
N3215-W1115/15

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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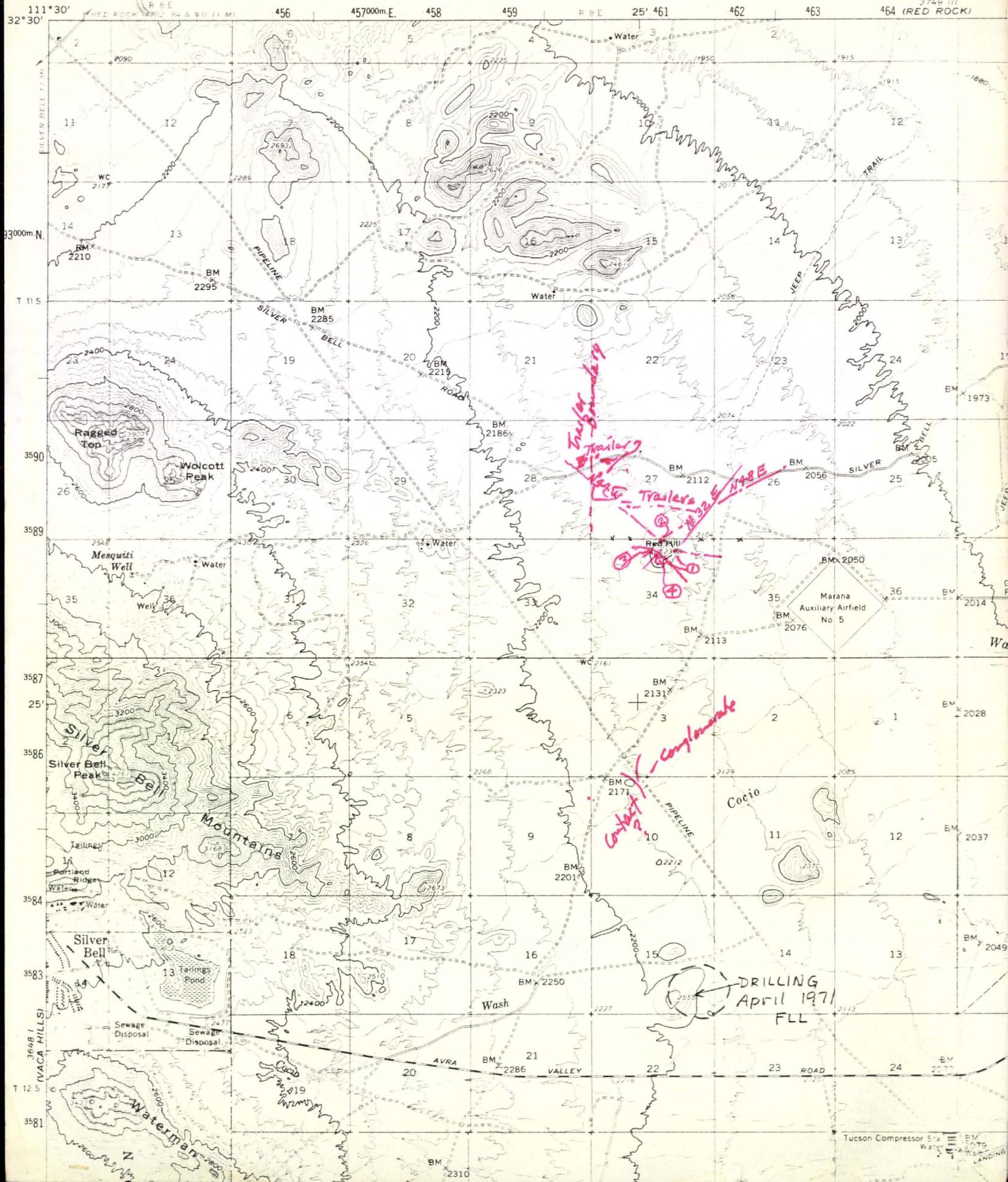
1959
AMS 3748 IV-SERIES V798



Drill site

Veles

1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970



NOTE FILE ON "PORPHYRY COPPER"

Area north of
 Property: ASARCO claims
 District: Silver Bell
 Mt. Range E. flank of S.B.
 County: Pima
 State: Arizona

Location:

R 9 E
 T 11 S

Sections 4, 5, 6, 7, 8, 9, 15, 16, 17,
 18, 19, 20, 21, 27, 28, 29,
 30, 33, 34

Source of Information

- Field Observations
- Publications
- Company Files
- Other

Explanation: On the basis of a color anomaly discovered by aerial reconnaissance, a mapping project was undertaken to determine the nature and extent of the anomalous color zone. This was deemed necessary in light of ASARCO's drilling program several miles to the south.

Reviewed by: ..Melville. See..... Date February 9, 1971

Recommended Company Interest Classification:

- Active
- Possible
- None
- Scientific

Qualifying Remarks: The anomalous color is not attributed to porphyry copper mineralization, but rather seems derived from local hematite veins in the pre-~~E~~ granite. Oxidation of these veins has spread Fe staining outward into the granite along west-striking fracture zones.

MINERALIZATION

Alteration and Metallization: The color anomalous area does not evidence any rock alteration attributable to hydrothermal activity. A small hill of pre-~~E~~ granite (Red hill) to the southeast of the anomalous zone does evidence weak kaolinization of the feldspars and shows mildly anomalous copper values. Color suggests it was weakly pyritized. Closeby, granite cropping out through the volcanics has weakly anomalous Cu and Mo values. Defining the limits of this mild geochemical anomaly is hindered by post-mineral volcanic cover and by the land status (claims were staked by AMAX in July 1970).

Leached Outcrops: Red Hill--pyritic, with no "live limonite"

Enrichment: None

Associated Metal Deposits: None

STRUCTURE

Fissures: WNW fractures and jointing in pre-~~E~~ granite

Intrusives: -

Breccia Pipes: -

Cover Rocks: Volcanics and alluvium

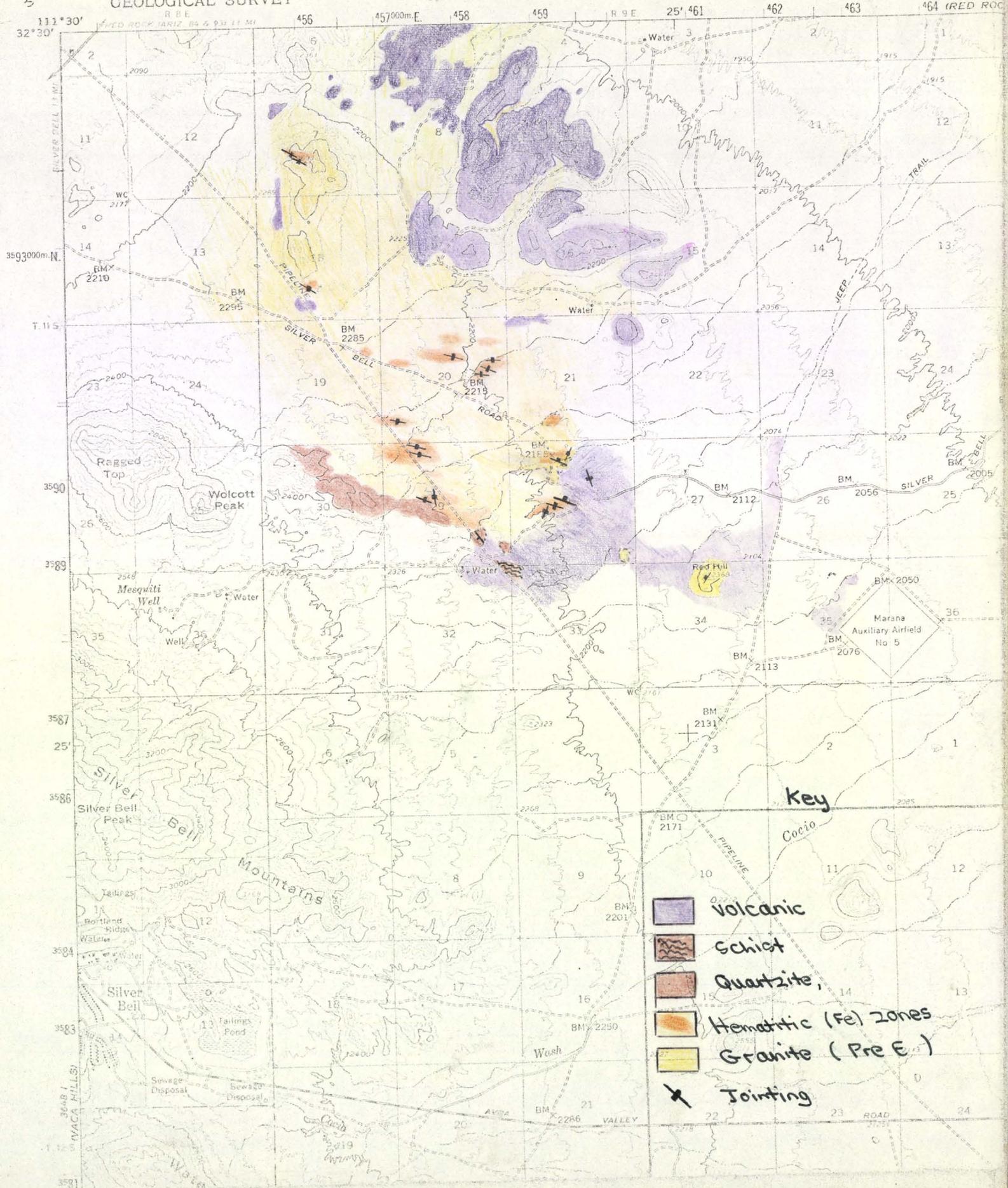
DEVELOPMENT, PRODUCTION, FACILITIES, ECONOMIC POSITION, ETC.: No development

Attachment: Geochemistry and geology maps.

3649 11
(ELOW)

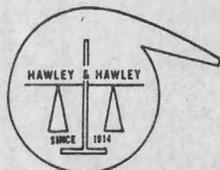
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE INTERIOR
CORPS OF ENGINEERS
3749 (11)
464 (RED ROCK)



Key

- Volcanic
- Schist
- Quartzite,
- Hematitic (Fe) Zones
- Granite (Pre E)
- Jointing



Registered Assayers

HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD - TELEPHONE 622-4836 -

POST OFFICE BOX 8954

TUCSON ARIZONA 85703

RECEIVED
DEC 11 1970

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES TUCSON

Branch Representatives at Buyer's Plants:
Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

KAISER EXPLORATION & MINING CO.

IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Zinc %	Mo. %
↑ 5016				93		< 2
5018				194		< 2
5020				180		7
Silver Bell 5021				55		< 2
5024				43		< 2
5026				79		< 2
5028				44		< 2
5029				40		< 2
5030				46		< 2
↓ 5033				47		< 2
5037				48		< 2
5038				23		< 2
Creston, Mexico 5040				38		< 2
5041				56		< 2
5042 (5043 on sample)				15		< 2
↓ 5044				22		< 2

CC: Kaiser Exploration & Mining
ADD: P.O. Box 3605, Campus Station
CITY: Tucson, Arizona 85722
ADD:
CITY:

REMARKS:

Trace analysis

Analysis Cert. By

Preparation \$
Analysis \$

ACC: KAISER EXPLORATION & MINING

Date Spl. Received

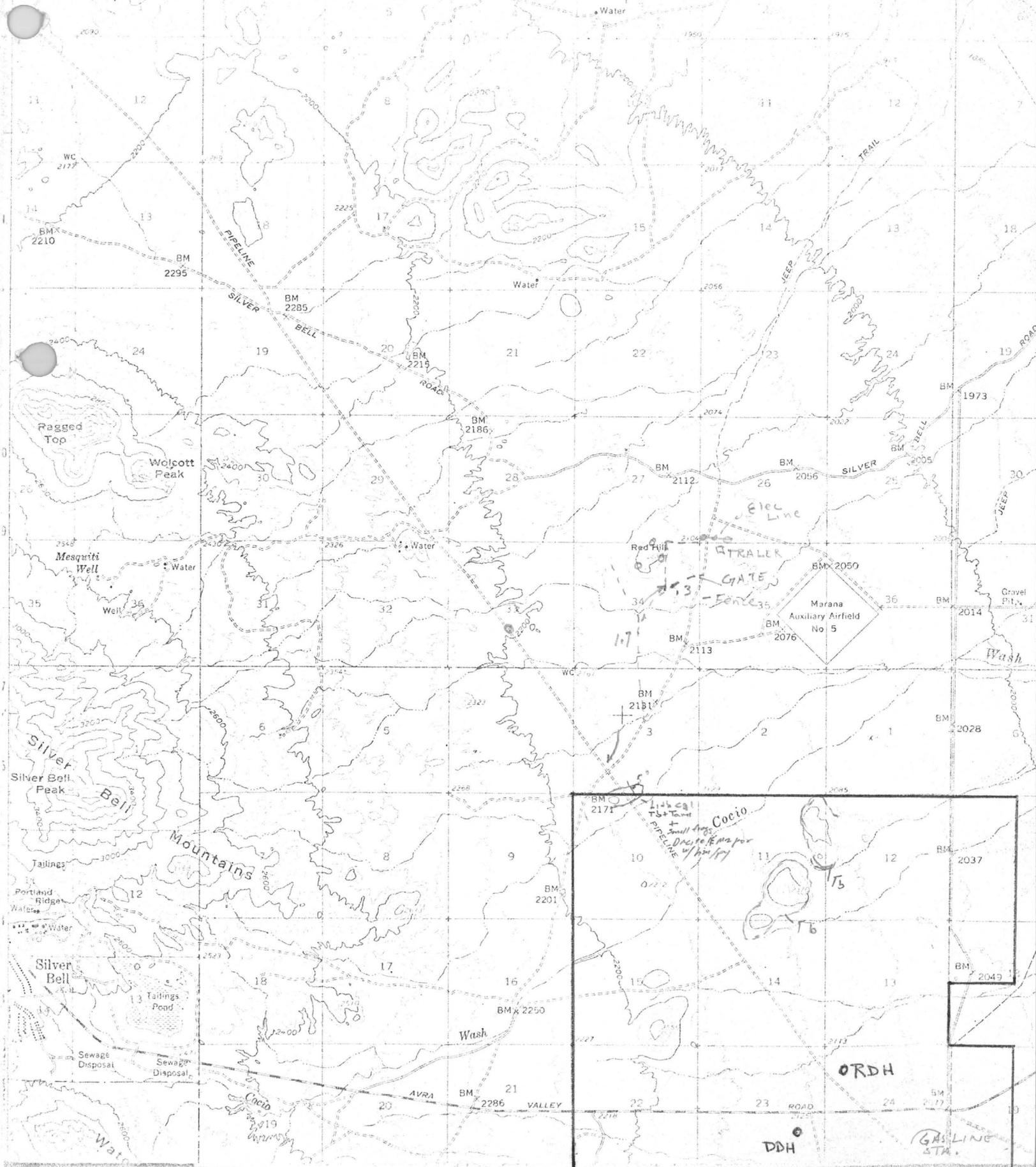
Date Compl.

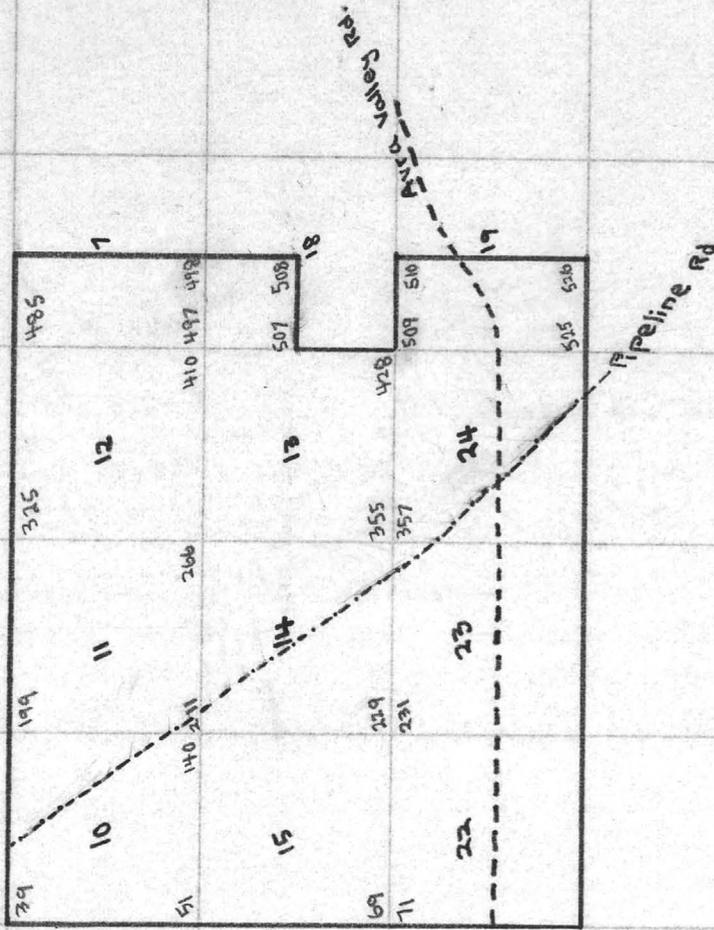
\$

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

1° 30' 456 457000m.E. 458 459 25' 461 462 463 464 (RED ROCK)





Sketch

AGARCO SEB CLAIMS
 (from 250' validation hole)

