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12/13/96

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: APEX GROUP

ALTERNATE NAMES:

APEX MERCURY

MARICOPA COUNTY MILS NUMBER: 616B

LOCATION: TOWNSHIP 7 N RANGE 8 E SECTION 13 QUARTER NW
LATITUDE: N 33DEG 57MIN 12SEC LONGITUDE: W 111DEG 29MIN 25SEC .
TOPO MAP NAME: RENO PASS - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

MERCURY
GOLD LODE
IRON SULFIDE
IRON FERROUS OXID

BIBLIOGRAPHY:

USGS RENO PASS QUAD
ADMMR APEX FILE

REFERENCES

APEX GROUP

MILS Sheet sequence number 0040130125

Maricopa County MILS Index #616B

AKA: Apex Mercury

Reno Pass, AZ 7.5' Topo (included in file)

MARICOPA COUNTY
SUNFLOWER DIST
T7N R8E Sec. 13

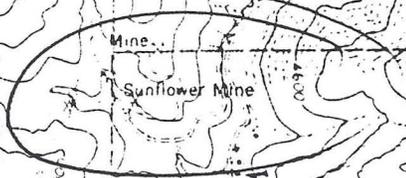
3759
3758
57'30"
3757
3756
3651 LINE
(LION MOUNTAIN)
3754
3753

McFarland Canyon

Cornucopia Mine

Sunflower Mine

Spring



R01
R0E

Open Group

T1N R0E Sec 13, 14

VIA ZIAIAL WILDERNESS

N A T

Reno Pass

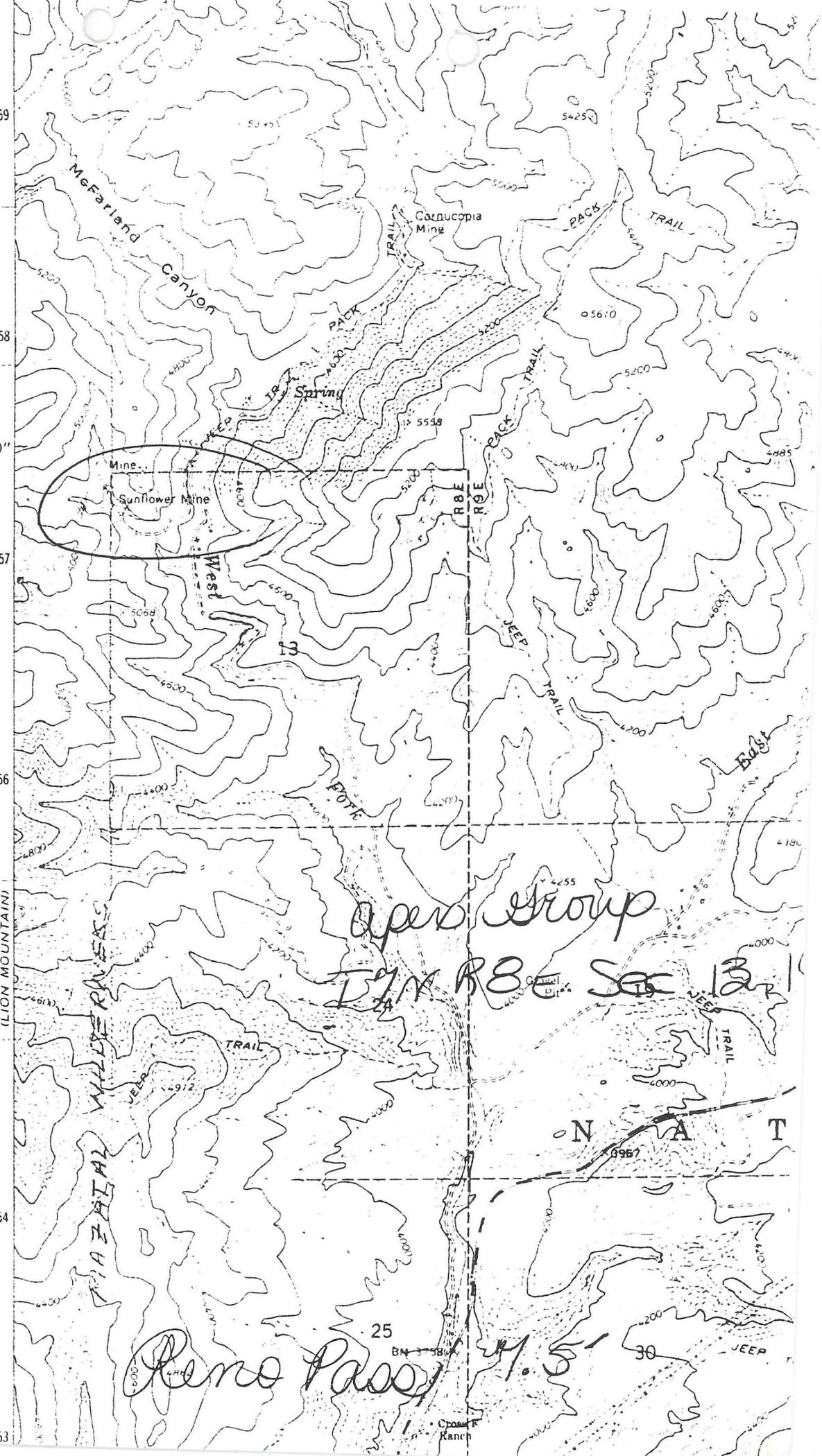
25

BM 37580

M. 51

30

Chow K Ranch



APEX GROUP

~~Do Not Reproduce~~

MARICOPA COUNTY

C. O. Carlson (7 Apex claims located on the south end of the west division) is doing development work by driving an adit. Some ore is being stockpiled.

C. O. Carlson, Payson and Irl Conway jointly operate the Apex group (not including the 7 mentioned above.) No work is in progress at present.

LAS WR 6-11-59

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine APEX GROUP (Tonto M & M Co)

Date June 4, 1959

District Sunflower (Maricopa Co)

Engineer LEWIS A. SMITH

Subject: Interview with C. O. Carlson 6-3-59

Location: Section 14, T. 7 N., R. 8 E.

FILED

Owner: C.O. Carlson, Payson, Arizona

JUN 30 1959

Claims: 7 unpatented (SE of and adjoining National Group)

Work: Driving adit into and along large lens of ore. The ore will run 5-8 pounds over a variable width.

Geology: The ore zone trends along the schistosity which strikes about N40E. The schist varies from a quartz-mica type to a hornblende type. The schistosity is disrupted by rolls and weaves, especially near transverse fractures which appear to exert an important influence on localization of ore minerals. This zone continues northeastward through the National, Ward and Pine Mountain groups, of claims, a distance of about $3\frac{1}{2}$ miles. The quicksilver mineralization thus far has not been detected on the NW side of a large and persistent jasper "dike" or band. Carlson regards the jasper band as a dam to the mineralizing solutions which appear to have originated east of the "dike". The principal ore mineral is cinnabar, with less metacinnabarite, calomel and no mercurial tetrahedrite (as yet). Native mercury occasionally is present. Carlson does not believe that flotation will work except on the cinnabar. (The Carlson mill is modified retort type). The mercury mineralization is disseminated in the jasper along the schist contact. The mercury minerals are associated with some pyrite, orange limonite and white greasy quartz. Small showings of gold are locally found. Further north some lead-zinc mineralization was found but this is not affiliated with the mercury.