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PRINTED: 03/06/2003

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LECHEQUILLA PEAK

ALTERNATE NAMES:
LECHUGUILLA PEAK

COCHISE COUNTY MILS NUMBER: 799

LOCATION: TOWNSHIP 14 S RANGE 19 E SECTION 7 QUARTER SE
LATITUDE: N 32DEG 13MIN 20SEC LONGITUDE: W 110DEG 25MIN 40SEC
TOPO MAP NAME: HAPPY VALLEY - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:
COPPER OXIDE

BIBLIOGRAPHY:
ADMMR LECHEQUILLA PEAK FILE
USGS BULL 1500
CLAIMS EXTEND INTO SEC 8 SW

10/18/88

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C O R N A D O



Fox Mountain
x 5974

Corra's Ranch
Jenny
Tunks

SATIONAL FOREST BDY

Lechugilla Peak
x 5004

Iron Flat

Last Chance Ranch
BM 4263

Barney's Ranch
BM 4713

Creek

19

18

7

20

17

8

21

16

9

Spring

JEOP

JEOP

JEOP

Water Tank

Water Tank

Water Tank

WT.

TRAIL

TRAIL

TRAIL

TRAIL

TRAIL

PI
COC

CO

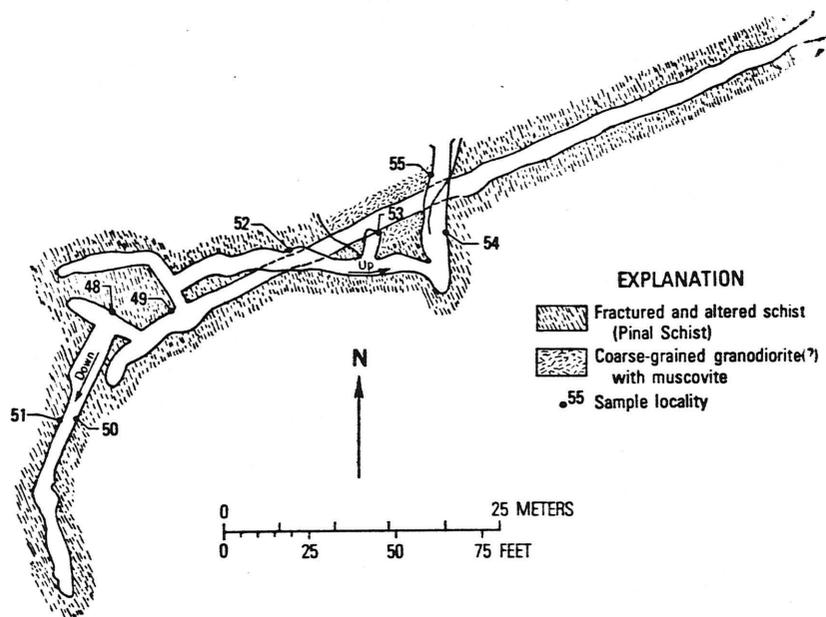


FIGURE 12.—Adit near Barney Ranch.

[All samples chip; Tr, trace; leaders (—), not detected. Assay data in inch-pound units; 1 oz/ton = 34.285 g/t]

Sample No.	Length	Assay data						Remarks
		Au (oz/ton)	Ag (oz/ton)	Cu (percent)	Mo (percent)	Pb (percent)	Zn (percent)	
48	61 cm (24 in.)	---	---	0.048	0.001	0.008	0.006	Highly fractured and altered schist with copper staining.
49	76 cm (30 in.)	---	Tr	.26	.001	.008	.021	Altered schist with iron staining.
50	46 cm (18 in.)	---	0.3	.13	.001	.008	.010	Highly altered schist with limonite banding and copper staining.
51	38 cm (15 in.)	---	.2	.066	.001	.008	.006	Do.
52	61 cm (24 in.)	Tr	---	.08	.002	.008	.04	Brecciated zone in schist with limonite.
53	1.1 m (3.5 ft)	Tr	---	.55	.003	.064	.047	Highly fractured schist; chrysocolla in fractures.
54	1.2 m (4 ft)	Tr	---	2.0	.002	.013	.028	Chrysocolla and specularite in fractures and as crust.
55	0.8 m (2.5 ft)	Tr	---	2.2	.003	.021	.042	Do.

TABLE 5.—Assay results of gold, silver, and copper in some samples from the Lechequilla Peak area

[Tr, trace; leaders (---), not detected. Assay data in inch-pound units; 1 oz/ton = 34.285 g/t]

Sample No.	Type	Length	Assay data			Remarks
			Au (oz/ton)	Ag (oz/ton)	Cu (percent)	
57	Chip--	31 cm (12 in.)	Tr	0.1	0.26	Pit; mineralized fractured zone in Bolsa Quartzite; some chrysocolla; chlorite alteration.
58	--do--	31 cm (12 in.)	Tr	---	.37	Adit; copper-stained fractured zone.
59	Select	---	---	---	.58	Adit, dump; copper-stained rocks.
60	Chip--	46 cm (18 in.)	---	.1	.47	Pit, highly fractured, weathered, mineralized zone.
63	--do--	46 cm (18 in.)	Tr	Tr	.48	Pit; mineralized contact between Pinal Schist and a white quartz dike.
¹ 64	--do--	31 cm (12 in.)	0.04	.3	3.8	Pit; copper staining in fractured quartzite.

¹64. Also 1.4 Pb, 0.57 Zn, 0.11 Se, in percent.

LECHEQUILLA PEAK

Lechequilla Peak is a prominent peak about 1 km (¾ mi) east of the study area in the southeast corner of sec. 7, T. 14 S., R. 19 E. The country rock of the Lechequilla Peak area is mostly Bolsa Quartzite and some Pinal Schist. Horquilla Limestone, Escabrosa Limestone, and the Martin Formation crop out on the east flank of the mountain. Major thrust faulting has taken place in this area (Drewes, 1974).

Six prospect workings lie southwest and two prospect workings lie east of the peak, and all are from 0.8 to 1.6 km (½ to 1 mi) east of the Rincon study area. The locations of three workings are shown on plate 2, and the locations of five workings are shown in figure 13. Six samples (57-60, 63, and 64) taken at some of the prospect workings have relatively high copper values; however, the mineralized zones are narrow and limited in extent. Sample and assay data are listed in table 5.

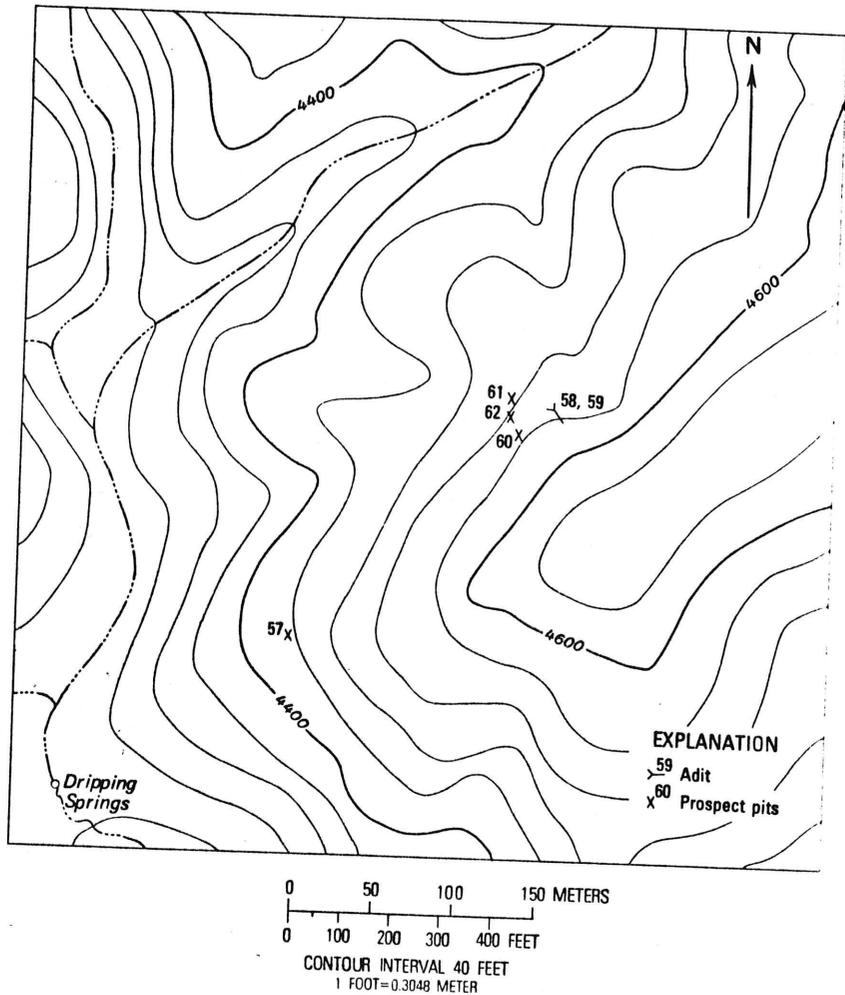


FIGURE 13.—Sample localities about 1.6 km (1 mi) southwest of Lechequilla Peak and outside the study area. Base from U.S. Geological Survey 1:24,000 Happy Valley NW, 1973.

ROBLE-YOUTCY CANYON LOCALE

ROBLE SPRING

Roble Spring is in a canyon in the SW $\frac{1}{4}$ sec. 30, T. 13 S., R. 19 E., outside the study area. Massive limestone cliffs with a limestone conglomerate near the base make up the south side of the canyon, whereas the north side is part of a steep-sloping ridge consisting of schist. The Roble Spring area is adjacent to the northeast corner of the Rincon study area.