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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: FRIJOLE MINE

ALTERNATE NAMES:

OLD FRIJOLE
SILVER SPUR

PIMA COUNTY MILS NUMBER: 189

LOCATION: TOWNSHIP 18 S RANGE 15 E SECTION 24 QUARTER SE
LATITUDE: N 31DEG 50MIN 55SEC LONGITUDE: W 110DEG 46MIN 18SEC
TOPO MAP NAME: SAHUARITA - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER SULFIDE
COPPER SULFIDE
LEAD SULFIDE
GOLD LODE

BIBLIOGRAPHY:

S.B. KEITH, AZBM BULL. 189, P. 128, 1974
USGS BULL. 582, P. 96 & 119
ADMMR FRIJOLE MINE FILE

3847 IV NE
ZONA DE TUCSON)

Helvetia 1/2 Quad.

519

47'30"

520

521

522

860 000

Spring

3526

3525

3524

310 000
FEET

3523

3522

50'

WILDLIFE AREA
BDY
EXPERIMENTAL RANGE

BOUNDARY
FOREST
NATIONAL

Bulldozer Mine
Well

Copper Duke Mine
Tip Top Mine

Peach Knob
4718

Well
BM 4185

Helvetia Cem

Water Tank

Helvetia (Site)

Ruins

Old Dick Mine
4801

Prospects

Heavy Weight Mine
5033

Shamrod Spring

Zackendorf Spring

Chavez Spring

Helvetia Spring

Omega Mine

Cooper World Mine
5190

5702

Gunsight Pass

Harts Butte

Narragansett Mine

Helvetia
6175

Weigles Butte
6284

Spring
Mine
5200
4WD

4000
3000
4000
4258
4329
4911

4000
4000
4220
4200
4400

4000
4000
4400
4400
4800
4900
4893

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4000
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5164

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Dec. 26, 1962 - Received information that the Frijole Mine at Helvetia is now leased out to a Mr. N.L. Skinner, who expects to start work shortly after Jan. 1.

AXEL L. JOHNSON - WR - 12-29-62

SILVER SPUR (OLD FRIJOLE) MINE

The Silver Spur, formerly the Old Frijole mine, is located 1-3/4 miles southeast of Helvetia, at an elevation of 4,900 feet. It is the oldest property in the camp, having been discovered in the late seventies. It was first worked by Hart & Weigel in the early eighties, and is said to have produced \$40,000 worth of silver ore. It is opened in the old workings by a 100-foot shaft that is inclined 30° ESE on a quartz fissure vein in the granite, with levels spaced 30 feet apart. The vein follows a fault and, as shown in the lower part of the shaft, is associated with an aplite dike. In the upper 50 feet of the shaft it consists principally of 4 inches of massive mineral-bearing white quartz, but it narrows below the 60-foot level and pinches to a mere seam in the bottom of the shaft. The ore minerals contained in the quartz are mainly fine-grained dark galena and gray copper, and the ore is stained with lead and copper carbonates and limonite.

At about 300 feet south of the old workings and 200 feet above them, the present workings in a short tunnel have encountered a small, nearly flat-lying quartz vein containing galena, gray copper, and small amounts of pyrite and chalcopyrite.

Taken from USGS BULL. 582, p 119, "Mineral Deposits of the Santa Rita and Patagonia Mountains, Arizona"

EARTH RESOURCES COMPANY

5920 mcintyre road . ##### . golden colorado 80401 . 303-279-7631

September 29, 1972

Mr. Herb Reynolds
Continental Materials Corporation
P. O. Box 662
Oracle, Arizona 85623

Re: Frijole Project
Pima County, Arizona
Herb's Site

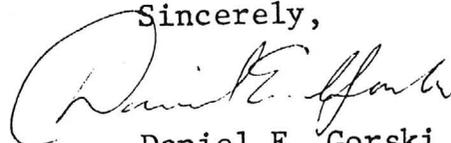
Dear Mr. Reynolds:

I have enclosed the drill logs, and a map, showing the approximate location of our two drill holes; also included is some excerpts from our files to give you an idea of our day to day thinking on this project. Mr. Deisler has duplicates of this data and the core, in his possession.

My feeling is that economic porphyry copper potential at this property has been pretty well tested, but that the possibility of ore grade mineralization may exist along the northeastern edge of the claims associated with a northwest trending fracture zone.

If I can be of further help, don't hesitate to call me.

Sincerely,


Daniel E. Gorski

DEG:dp
Encls.

Herb. we only assayed a very small portion
of the core because it looked so barren.



Following are some parts taken out of weekly reports from myself to Bill during late October after I had taken over this project.

Oct 20

Drilling as of today on Frijole #2 progressed to 275'. Drilling has been somewhat slowed down this week because immigration service took driller's helper back to Mexico. Presently we are in a fine grain porphyry similar to rock mapped as Tertiary monzonite - rock is moderately well altered with signs of heavy sericite. K-feldspar shows signs of alteration throughout core. A few intervals of sulfides are present but rock is still basically all altered. Sulfides as evidenced by ^{limonite} ~~limonite~~ are not abundant so far in this hole - will continue drilling on this hole approximately another 100'. Weekly drilling report will be forthcoming.

October 28 - in office working on Oro Grande map - field investigation of the Frijole area has convinced me that the Tertiary porphyry in the claim group is not mineralized and that the northwest trending fracture zone that crosses the ridge line north of Hart Butte is the main feeder for mineralization in the Helvetia district. Most copper mineralization on the west side of the range is in tactites and limestones, north of and within this fracture system, the favorable host rock is not likely to be present south of this fracture in the Frijole claim group. This project will be terminated Thursday a.m. if nothing significant turns up in Wednesday's drilling.

29 Oct

Frijole #2 drill hole bottomed at 498 feet in coarse grain monzonite - several broken zones were encountered in this hole - none with significant mineralization. Of the two igneous rock types drilled, the coarse grain monzonite seems to be the better of the two. This precludes the necessity of having to test the light porphyry in the center of the property.

Don Gumbel

EARTH RESOURCES COMPANY

MEMO

October 12, 1970

TO: Dan Gorski
FROM: Bill Cole
RE: Frijole Project

On October 6, I visited the Frijole group with Chuck Sewell and discussed the project further with him on October 7. In Chuck's opinion, the first hole was not well placed in that it should have been more directly in the center of the highest geochem values of the Cu and moly where there is also an iron stained silicified and brecciated zone. My feeling is that the hole should have been placed there but the zone is rather vague and we are presumably looking for something large and a few hundred feet there one way or another may not make so much difference.

After studying the site for the second hole, both Chuck and I agreed that it also was being put rather on the side of the target. We chose to move it into the center along the road where there was no drill site prepared, but the driller thought he could get along alright. The rig is built only for vertical holes but we got him to tip it a little, hopefully 80° to the north. This hole is 350' north, 38° east from the southwestern corner of Frijole #4 claim.

The third hole is in the middle of the largest aplitic altered zone where we had originally planned a deep hole. But inasmuch as we are restricted to 2,000 feet on the project, and we had already expended 661 feet on the first hole, we decided to stop the first hole which was looking fairly barren and save the footage. After going over the geology again with Chuck, I gathered that our chances of hitting any sediments are practically nil except along the NE boundary of the property. It would appear at this point that we will drill 500 feet on this second hole and hopefully get well into the primary zone or below the severe oxidization and use the remaining 839 feet on the third hole.

~~_____~~
COPY - L. 4001

6: One Granite Project
WCC

EARTH RESOURCES COMPANY

MEMO

July 27, 1970

TO: Bill Cole
FROM: Dan Gorski
RE: Frijole Project, Pima County, Arizona

Following is an outline of the exploration program for the Frijole project, Pima County, Arizona. This project will take approximately four months and will be under the supervision of Lee Sutton. Exact priorities and timing will be worked out by Lee as the project develops.

1. Evaluation of existing IP data by Mr. Elliot in Tucson
2. Geologic mapping of the claim area
3. Fill in geochem sampling consisting of approximately 50 samples
4. Approximately 2,000 feet of diamond drilling to test the existing geochem and IP anomalies and any other area of interest that might develop. Tentatively scheduled are two 500' and one 1,000' holes.

DG/nm



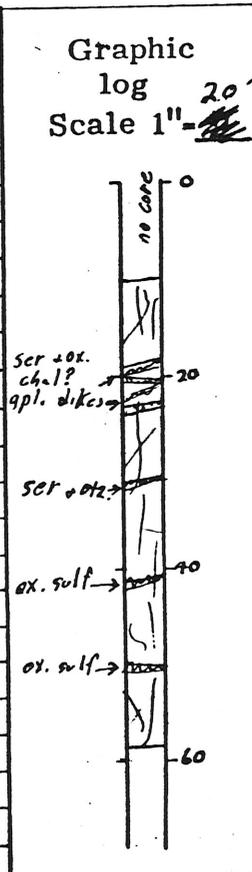
VITRO MINERALS CORPORATION
Drill Log

Project: Frijoles
 County: Pima
 State: Ariz
 Claim: _____
 Page 1 of 8

Date Started: 9 Sept 1970
 Date Completed: 6 Oct 1970
 Logged By: Gorski
 Type Drill: _____
 Hole Size: NX
 Contractor: Mettler

Hole No.: F-1
 Coord: _____ N, _____ E
 Collar Elev.: _____
 Total Depth: 661
 Bearing: _____
 Inclination: vertical

From	To	Thick- ness	30r	% Core Recovery	Geologic description and remarks
20	29		2	95	matrix altered to chlorite, Fe ²⁺ not altered some veinlets
29	39		3	100	1" & smaller & fractured areas show atz-sericite.
39	47		4	100	some veinlets show ox-sulfide up to 1/4" very little evidence
47	57.5		5	100	& disse. sulfides only addition to this rock is SiO ₂ some black fine biotite is present may be secondary - seems to be present in more silicified areas
					assay 50-55 Cu .04, Mo. .001



Hole No. F-1

VITRO MINERALS CORPORATION
Drill Log

Project: Frijoles
 County: Pima
 State: Ariz
 Claim: _____
 Page 1 of 6

Date Started: 7 Oct 1970
 Date Completed: 28 Oct 1970
 Logged By: Gorski
 Type Drill: _____
 Hole Size: N x
 Contractor: Mettler

Hole No.: F-2
 Coord: _____ N, _____ E
 Collar Elev.: _____
 Total Depth: 498
 Bearing: _____
 Inclination: Vertical

From	To	Thick- ness β_{ov}	% Core Recovery	Geologic description and remarks	Graphic log Scale 1"=20'
10	14	1	95+	Monz porphyry, feld-spars 1-5 mm partially altered	
14	27	2	"	nodules normally < 2mm altered to chlorite	
27	37	3	"	enough < 1mm atz to make it atz Monz in places	
37	46	4	"	slightly fractured + broken in places normally with	
46	54	5	"	limonite stain in these areas, some 1" + smaller	
54	64	6	"	atz-schistite veinlets some oxidized sulfide veinlets	
64	73	7	"		
					atz-sulf bit broken & weathered hard broken & sheared fairly fresh w/ some limonite seams slightly more limonite fairly fresh

Hole No. F-2

Drill Log

From	To	Thick- ness <small>ft</small>	% Core Recovery	Geologic description and remarks	Graphic log Scale 1" = 20'
73	93	8	95+	Same rock type as above, slightly stronger alt in places, some black earthy matrix (manganese?) appearing around 80' - increasing down, limonite stain weak to moderate in seams + in broken areas, very few atz sericite crystals	
	90	9			
	99	10			
	108	11			
	117	12			
	126	13			
	134	14			
	142	15			
	153	16			

VITRO MINERALS
CORPORATION

SUBSIDIARY OF

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COMPANY

Hole No. F-2
Page 3 of 6

Drill Log

From	To	Thick-ness	% Core Recovery	Geologic description and remarks	Graphic log Scale 1" = _____
153	166	17	95+	Same rock type, fairly fresh except in broken areas, matrix all chlorite. black earthy mineral still present in fractures + in broken zones; limonite less abundant	
	168	18			
	177	19			
	187	20			
	195	21			
	204	22		fairly fresh weakly fractured some black mineral almost no limonite	
	213	23			
	222	24		broken some limonite + black min.	
	232	25			
				fairly fresh weak fracturing little limonite some black min.	

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine = Frijole Mine Date Mar. 12, 1963 & Sept. 7 & 28, 1962.
(formerly Silver Spur & Old Frijole)
District Helvetia District, Pima Co. Engineer Axel L. Johnson
Subject: Field Engineers Report. Information from E. G. Deisler & personal visit.

References (1) Bull. # 582 -- "Mineral Deposits of the Santa Rita & Patagonia Mts.,"
page 96, reg. Old Frijole, and page 119, reg. Silver Spur (Old Frijole).
(2) Ariz. Bureau of Mines Bull. # 140 -- "Arizona Metal Production",
page 97, reg. Silver Spur.
(3) Field Engineers report of Aug. 13, 1951, reg. the 6 original claims.

Location Sec. 24 -- T 18S -- R 15 E ---- about 1 1/2 miles SE of Helvetia old
townsite, and about 0 to 1 mile west of the Narragansett Mine.

Owner E. G. Deisler, 2650 N. Miracle Mile Strip, Tucson, Arizona.

Lessee R. C. Bruce, 420 West Prince Road, Tucson, Arizona.
(Note:- Mr. Bruce also has a lease on Narragansett Mine, adjoining)

Number of Claims 18 unpatented claims. 6 of these were purchased from O. O.
Leonard approx. 8 to 10 years ago. The remaining 12 claims were located by
Mr. Deisler subsequently.

Principal Minerals Copper ores, both oxides and sulphides.

Present Mining Activity Mr. Bruce now conducts open pit mining operations at the
Narragansett, which adjoins one of the Frijole claims, and apparently expects to
expand his operations to include some of the Frijole property. Field engineer, on
his visit to the operations on Mar. 12, 1963, was informed by the operators that the
operations were on the Narragansett, although they did not know where the property
line was. However, in a recent telephone conversation with Mr. Deisler, Mr. Deisler
contends that the mining operations are on one of the Frijole claims, and is having
the property surveyed. (See Field Engineers report for Narragansett -- Mar. 12, 1963)

Past History (1) First worked from 1880 to 1884 by Bill Hart & John Weigle (See Bull.
582, page 96).

(2) Owned by O. O. Leonard about 1951 (See Report of Aug. 13, 1951)

(3) Leased and operated by William Barbre, 7331 Oleander Vista, Tucson
from April to Sept. 1962. Mr. Barbre extended an adit into the mountain for a
distance of 218 ft. (from 430' to 648'), and also drove a crosscut for a distance of
70 ft. The adit was driven into the mountain towards the ~~SE~~ north-east towards a
granite-limestone contact, and was nearly all in granite. Some ore was reported on
one side of the adit in the last 18 ft., which consisted of pyrite and chalcopyrite,
and reportedly assayed from 0.7 to 1.5 % in copper.

(4) Mr. Deisler, in a telephone conversation with the field engineer
on Sept. 28, 1962, reported that he had cancelled the lease to William Barbre

(5) Mine was leased to R. C. Bruce in Feb. 1963.

Past Production Arizona Bureau of Mines Bull. # 140 -- "Arizona Metal Production"
lists the production for Silver Spur as \$ 40,000 worth of silver from 1880 to 1889.
(See page 97 of the bulletin)

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

C
O
P
Y

Mine FRIJOLE, et al.

Date Aug. 13, 1951

District Helvetia Mining Dist., Pima County

Engineer Axel L. Johnson

Subject: Reconnaissance Report.

Ownership.

A group of 6 unpatented claims is owned by O. O. Leonard, 541 N. Park St., Tucson, Ariz.

Location. The property is located near Helvetia, which is 14 miles SE of Sahuarita. It is about 3/4 mile S-SE of the old Helvetia mining camp. There is a rather poor road for 1/2 mile from Helvetia. The remaining 1/4 mile to the property has no road.

Topography. The claims are located in an area of rather steep rolling hills interspersed with rather deep washes.

Mineralization. Mr. Leonard was under the impression that he had Uranium ore on his property. I asked him to bring me some rock samples of what he thought was Uranium ore. I brought these samples to the Bureau of Mines and they were tested there with the Gieger counter. The tests showed no evidence of uranium in the specimens.

Mr. Leonard also claimed he had Scheelite ore on his property running 1.03% in an 18 inch vein. He has an ultra-violet lamp of his own. The first claim inspected had a net work of tunnels into the hillside where some copper ore had been taken out by former operators a number of years ago. Testing of all these tunnels with the ultra-violet lamp showed no evidence of tungsten. The second claim inspected had a tunnel driven into the hillside with two other tunnels branching out from same. Former operators had evidently driven these tunnels in search for copper ore. Testing of these tunnels with the ultra-violet lamp showed only a very small area of 4 inches by 4 inches at the end of one of the tunnels, which showed any fluorescence, and also not of very high grade, probably about 1%. The tunnels on Mr. Leonard's other claims were caved in and inaccessible.

Mr. Leonard also expressed the opinion that he had a good copper prospect on the first claim visited, which had a net work of tunnels in the hillside. There were also a few holes or small stopes cut in at the sides of some of these tunnels. The sides of the tunnels showed a few small fissures a few inches wide showing copper oxide ore. These fissures had very flat dips in a country rock of granite. The former operators, in driving these tunnels, had evidently tried to follow the small copper stringers and had extracted all the copper ore that was worth mining from these tunnels. There seemed to be evidence that they had shipped a small quantity of ore. There was no evidence of any quantity of merchantable quality of ore remaining. The second claim inspected, which also had some tunnels, showed very little evidence of copper. The tunnels in Mr. Leonard's other claims were inaccessible.

Conclusions and Findings.

- (1) No Uranium was found on the property.
- (2) The Scheelite found was very much too small in quantity to even consider.
- (3) No copper of merchantable grade was indicated.

Axel L. Johnson, Field Engineer,
Dept. of Mineral Resources,
P.O.Box 390, Tucson, Ariz.