

RECORD IDENTIFICATION

RECORD NO..... M061477
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
MAP CODE NO. OF REC..

REPORTER

NAME..... JOHNSON, MAUREEN G.
UPDATED..... 81 03
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... NICOLI

MINING DISTRICT/AREA/SUBDIST. POWERS

COUNTRY CODE..... US

COUNTRY NAME: UNITED STATES

STATE CODE..... OR

STATE NAME: OREGON

COUNTY..... COOS

DRAINAGE AREA..... 17100305 PACIFIC NORTHWEST

PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS

LAND CLASSIFICATION..... 41

QUAD SCALE
1: 62500

QUAD NO OR NAME
AGNESS

LATITUDE
42-42-29N

LONGITUDE
124-05-43W

UTM NORTHING
4728750.0

UTM EASTING
410300.0

UTM ZONE NO
+10

TWP..... 33S

RANGE..... 12W

SECTION.. 23

MERIDIAN. WILLAMETTE

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU

PRODUCER(PAST OR PRESENT):

MAJOR PRODUCTS.. AJ

DRE MATERIALS (MINERALS, ROCKS, ETC.):

COMMODITY COMMENTS:
SPOTLY VALUES - SOME HIGH GRADE

ANALYTICAL DATA (GENERAL)
8 SAMPLES RAN 0.04 AU TO 0.72 AU & TR TO 0.24 AG

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 4

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
VEIN
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL
MAX WIDTH..... 5 FT.
COMMENTS (DESCRIPTION OF DEPOSIT):
TWO QUARTZ VEINS

DESCRIPTION OF WORKINGS
SURFACE AND UNDERGROUND

COMMENTS (DESCRIP. OF WORKINGS):
THREE TUNNELS, 250 FEET, 150 FEET, AND 25 FEET IN LENGTH.

PRODUCTION
YES
SMALL PRODUCTION

ANNUAL PRODUCTION (ORE, COMMOD., CONC., OVERBURD.)

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR
HOST ROCK TYPES..... GABBRO
PERTINENT MINERALOGY..... CALCITE QUARTZ
IMPORTANT ORE CONTROL/LOCUS.. INTERSECTION OF 2 VEINS

GENERAL REFERENCES

- 1) BALDWIN, E.M. AND OTHERS, 1973, GEOLOGY AND MINERAL RESOURCES OF COOS COUNTY, OREGON; ODGMI BULL. 80, P. 57
- 2) OREGON METAL MINES HANDBOOK, 1940, ODGMI BULL. 14-C, VOL. 1, P. 43

Powers
Iron-Salmon Mountain Area
Coos County

Name: Nicoli Group (gold).

Owners: Hal Baxter, Coquille; E. L. Coy, Powers; and W. A. Doak, Powers; G. E. Smith, Coquille, Oregon.

Location: 21 miles south of Powers, Oregon by road, the last half mile is by trail. It is in the E. $\frac{1}{2}$ of Sec. 23, T. 33 S. R. 12 W.

Area: Eight full sized lode mining claims held by location.

Development: The development work has been confined to the No. 1 Claim which has three tunnels, two of which are caved, and the third runs in a westerly direction about 250 ft. See attached sketch. One of the caved tunnels is said to run in a northerly direction about 150 ft. The other also runs in a northerly direction and is only about 25 ft. long. Above the 250 ft. tunnel is an open cut about 50 ft. deep.

Geology: Most of the work has been confined to two veins on this property. One runs in a south 65° west direction, and the other in a north 20° ^{west} degree direction. The intersection of these two veins has produced some high-grade ore. The country rock is gabbro, having a great number of small fractures. The ore is said to be about 50% free milling. Minerals present are quartz, calcite, pyrite, and free gold.

Sampling: Eight samples were taken as follows: No. 1 shallow open cut exposing a vein 5 ft. wide, about 1,000 ft. northeast of the main workings gave the following results: Au. .04, Ag. tr. No. 2 sample about 600 ft. northeast of main workings, two feet of quartz exposed gave Au. .06, Ag. 24. Sample No. 3 surface exposure approximately 50 ft. northeast of long tunnel 12 ft. wide ran a blank. For location of samples 4, 5, 6, 7 see enclosed sketch. Sample 8 was taken from a shallow open cut approximately one-quarter of a mile southeast of the main workings, 5 ft. of quartz and vein matter run Au. .06 and Ag. .04.

General Information: There is a small engine and crusher, mill building, and log cabin on the property. Elevation - 3,000 ft. Mountainous topography. Plenty of water for mining operations, and an ample supply of timber. Maximum 12 ft. of snow.

Informant: J. E. Morrison. October, 1937.

Ball Knob N84°E

Mt. So of Ball Knob 366E.

Open cut on Nicolillo 2 S 50W 40ft. ledge showing in place

Quartz Porphyry Ore.

8 Samples Taken. All hard quartz no oxidized material Taken
Mill to E 1/4 Cor Sec 23 S 35E 300ft.

H- Dump to Portal. 27ft. N75W

A- " " fault. 83 " "

Fault to Junction. 42 " S 83°W

N-Drift. 50ft. N70W.

Junction to ^{Station} fault. 63ft. S 64°W

" " fault. 58 " "

Fault S 20W dip 62°W

Station D to E 35 S 45W

E on fracture S 30°E dip 74°E

E to face. 15ft. S 10W.

L. A. Williamsur - De Baur.

North Tunnel. bears N 30W 70ft. from a point. S 75E 27ft.
from portal of South tunnel.

East North tunnel. (called N1) N 8W. 160ft. above
at 150ft. said to cut vein.

Mr. Hal Baxter Coquille

E. K. Coy Powers

W. A. Roak Powers

G. E. Smith Coquille

50th Arch

COPY OF REPORT FROM

BURLINGAME & PARKER
DENVER COLO
June 17th 1930

F F Friant,
Port Orford Ore
Dear Sir;

Herewith is data obtained from treating your ore by cyanidation.
Assay of screen sizes;

20 mesh	--0.22	oz per ton in gold
30 mesh	---0.38	oz per ton in gold
40 mesh	---0.42	oz per ton in gold
50 mesh	---0.46	oz per ton in gold
60 mesh	---0.505	oz per ton in gold
80 mesh	---0.58	oz per ton in gold
100 mesh	--0.71	oz per ton in gold
150 mesh	--0.78	oz per ton in gold
200 mesh	--0.92	oz per ton in gold
-200 mesh	--1.28	oz per ton in gold

All of the material retained upon 40 mesh was treated by percolation as follows;

Heads	-----0.37	oz per ton in gold
After 8 hrs percolation	---0.20	oz per ton in gold
After 24 hrs	"	0.08 oz per ton in gold
After 32 hrs	"	0.06 oz per ton in gold

All of the material passing thru 40 mesh was treated by agitation as follows;

Heads	-----0.82	oz per ton in gold
After 1 hr agitation-	0.28	oz per ton in gold
After 4 hrs	"	0.12 oz per ton in gold
After 6 hrs	"	0.10 oz per ton in gold
After 8 hrs	"	0.02 oz per ton in gold

(sample taken after 6 hrs no doubt salted, since resample of 8 hrs shows only 0.02 in tailings.)

Cyanide strength in both percolation and agitation, 5 ~~xxx~~ lbs per ton.

Cyanide consumption in agitation 3.8 lbs per ton

Cyanide consumption in percolation 3.0 lbs per ton.

Protective alkalinity; 3# lime per ton of ore. Pulp density 1.5 to 1

Percentage extraction; percolation 84% Agitation 96%

Recommendations; from the test, it would appear that fine grinding with agitation, would be the most desirable procedure. However, this depends upon cost of power for grinding and agitation. The ore is a true cyanide ore, and with a two day period of percolation would no doubt give a slightly higher extraction. In any event, would not recommend grinding to less than 30 mesh, with agitation of the slimes formed in grinding. The gold, falling in the fines as it does, is present to some extent as a telluride. Roasting is apparently unnecessary.

Respectfully submitted,

(signed) C O Parker

Cy G C G

Powers, Oregon.
Sept. 29, 1939.

Mr. J. E. Morrison,
Grants Pass, Oregon.

Dear Mr. Morrison:

I am writing to inquire if you have inquiries for quartz mine properties and if it is permissible for you to give names of those in the market for mining property. If this is permissible, can you furnish us with the name or names of some party or company whom we may contact by correspondence?

Mr. Coy is not at all well. He is having some quite serious heart trouble and we are very anxious to do something with the mine -- either get it to work on some kind of contract or sell outright. We would like to get away from here but cannot until we get something started. It is the Micoli Group on Iron Mountain I am referring to.

If you can give us any information or suggestions of any kind we will be most grateful.

Kindest regards from both Mr. Coy and myself.

Very truly,

Eureka L. Coy.
(Mrs.) Eureka L. Coy.