

DATE: January 16, 1936.

ESTERLY MINE

O'BRIEN

OREGON

NAME: Gem Quartz Mine.

LOCATION: On Sucker Creek, Holland district of Josephine County Oregon. Area is 64 acres in the S $\frac{1}{2}$  of Sec. 36, T 39 S, R 7 W. Patented mining claims.

OWNERSHIP: FEE IN John and Carl Clark, address, Holland, Oregon. They claim the property was originally school land and came into possession of one Mr. Southerland, who, before he died, deeded the land to his hospital nurse, from whom the Clark brothers bought the property outright in 1932. They claim they have an abstract and attorney's opinion that title is secure.

PRESENTED BY: Mr. R.D. Longyear, Foshay Tower, Minneapolis, asked the writer to make brief examination for his group. Furnished data gathered by a Mr. Clough, and maps made by John Clark, copied by Clough.

HISTORY: Mined in early day by Southerland by himself who singly made a living for many years by gouging out quartz and sledding it down the mountain to an arrastra or small mill. Southerland and some nephews drove the existing drifts which were idle for 30 years until about 1930 when Clarks came along and, with little mining knowledge, re-opened the drift mouths and made some additional surface cuts. Clarks built a "mill" out of an old Ford car, a large truck wheel (with which they made a ball mill) and a couple of amal. plates. Clarks have done no sampling to speak of nor have they any assay map.

PRODUCTION: By Southerland, unknown; probably a few hundred dollars per year for many years. By Clarks, less than \$2,000.

DEVELOPMENT: Mainly by two adits, one, the lower, about 150' long and the other about 200' long. Also there are a number of surface cuts and small scrabs.

EQUIPMENT: None. The Clark brothers have a good cabin on the road near the creek.

GEOLOGY: Country rock, weathered and altered at surface, indicates an andesitic type predominates. Noted a fresh phase at one point underground which would call fine grained diorite, however, veins mainly enclosed in basic igneous types. Residual red clay soil at surface shows basivity. Veins are of order of 6" to 24" thick, of rusty quartz, usually without hard walls and hairline contacts; noted pyrite and chalcopyrite mineralization. "Veins" may be merely resilified shear zones in the greenstone; elsewhere in a few places, noted definite vein walls with fault gouge. On the whole, believe the shear zones of no great continuity, an average length for the quartz lenses might be 50' or 100' with pinches at both ends. Clark brothers claim that the pinches don't carry values; that the good values are in the swells. Veins dip steeply - 70 to 80 degrees, usually in some east-west direction. Would call veins of "gash" type, or local shear zone type, rather than true "fissure" type. Doesn't matter, except question of continuity. Here shoots would be small. Values in ordinary veins are given as order of \$15.00 per ton. On taking a mining

width, dilution would reduce this grade to half or less. Due to poor contacts in places, and slabby walls, hand-picking would be very difficult in upper zone. Quartz crumbles and breaks fine, mingling with gangue.

ORE RESERVES:

A couple thousand tons of quartz is indicated in (above and below) the two main drifts. To this, the Clark brothers give a value of \$15.00. Don't know where they get their guess, as the vein is concealed by lagging in most places. Would say no proven tonnage.

LOCAL CONDITIONS:

Property is located  $\frac{1}{2}$  mile south of the paved Oregon Caves Highway on a new road which crosses Sucker Creek just above Grayback Creek. Property is about 40 miles south of Grants Pass, or 70 miles from Crescent City, Calif. on the ocean. Climate is delightful, favoring all year mine operation. Power can be generated to run a mill by harnessing local stream. Area heavily timbered with virgin fir. Elevation of tunnels about 3,000 feet above sealevel. Relief within limits of claims, about 1,500 feet. Property can be mined entirely by adit. Never failing water supply at east end of property - Sucker Creek.

TERMS OF SALE:

Clark brothers ask \$35,000.00 with \$10,000.00 down after 90 days. Think they would even let property go on a lease proposition if properly approached by responsible people. The Clark brothers are elderly men with little funds and unable to work property themselves.

COMMENT:

The Clark property adjoins the Boswell on the north. A pocket of around \$75,000.00 was taken out on the Boswell a few years ago within a few hundred feet of the Clark line. Plenty of specimen quartz can be found on the Clark, quartz with gold showing in it. The distribution of the gold, of course, is the sticker. Think this property might be worthy of attack in a small way as a "one man mine" but doubt if it would satisfy as a company proposition. Pockets of high grade would satisfy as a company proposition. Pockets of high grade would "make" the mine. If this property could be combined with the Boswell, it might supply an attractive enough bet for a corporation to tackle.

*E. A. Leonard*

*Report made for Nipper*

940

Gem Quartz Mine

**NAME**

**OLD NAMES**

Gale

**PRINCIPAL ORE**

## MINOR MINERALS

39 South   7 West   36-(section)  
T              R              S

#### PUBLISHED REFERENCES

Oregon Metal Mines Hdbk., 14-C Vol. II Sec. 1

..... Josephine ..... COUNTY

~~HALDO~~  
Anson

..... ~~AA APPROX~~ ..... AREA

..... \$000. feet ..... ELEVATION

## MISCELLANEOUS RECORDS

..... road to mine ..... ROAD OR HIGHWAY

40 miles from Grants Pass. DISTANCE TO  
SHIPPING POINT

PRESENT LEGAL OWNER (S) .... John & Charles Clark

Address ..... **Holland, Oregon** .....

OPERATOR John and Charles Clark

64 acres, patented

EQUIPMENT ON PROPERTY

### No confinement

RECORD 02318

## CRIB MINERAL RESOURCES FILE 12

## RECORD IDENTIFICATION

RECORD NO..... M013356  
RECORD TYPE..... XIM  
COUNTRY/ORGANIZATION..... USGS  
FILE LINK ID..... CONSV  
DEPOSIT NO..... DDCMI 100-386  
MAP CODE NO. OF REC..

## REPORTER

NAME..... LEE, W  
DATE..... 74 01  
UPDATED..... 81 02  
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

## NAME AND LOCATION

DEPOSIT NAME..... GEN QUARTZ MINE

MINING DISTRICT/AREA/SUBDIST. HALDO

COUNTRY CODE..... JS

COUNTRY NAME: UNITED STATES

STATE CODE..... OR

STATE NAME: OREGON

COUNTY..... JOSEPHINE

DRAINAGE AREA..... 17100311 PACIFIC NORTHWEST

PHYSIOGRAPHIC PROV..... 13 Klamath Mountains

LAND CLASSIFICATION..... 01

QUAD SCALE 1: QUAD NO OR NAME  
OREGON CAVES

LATITUDE 42-07-59N LONGITUDE 123-27-59W

UTM NORTHING 4664450. UTM EASTING 461450. UTM ZONE NO \*10

TWP..... 39S

RANGE.... 07W

SECTION.. 35

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. B

## DESCRIPTION OF DEPOSIT

## DEPOSIT TYPES:

SHEAR ZONE

## FORM/SHAPE OF DEPOSIT:

## SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

MAX LENGTH..... 100 FT

MAX WIDTH..... 2 FT

## COMMENTS(DESCRIPTION OF DEPOSIT):

BEST VALUES OCCUR IN SWELLS

## DESCRIPTION OF WORKINGS

## COMMENTS(DESCRIP. OF WORKINGS):

OVER 800 FEET OF WORKING IN SEVERAL ADITS

## PRODUCTION

YES

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

## CUMULATIVE PRODUCTION (ORE, COMMOD., CONC., OVERBURD.)

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
15 AU	EST	0000.200	OZ	EARLY 1900'S	SEVERAL HUNDRED OUNCES?

## PRODUCTION COMMENTS.... NO ACCURATE RECORDS

## GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI

HOST ROCK TYPES..... ANDESITE

GEOLOGICAL DESCRIPTIVE NOTES. PINCHING QUARTZ VEINS OCCUR IN HIGH ANGLE SHEAR ZONES.

## LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: APPLEGATE GROUP

AGE: PERM-TRI