<table>
<thead>
<tr>
<th>NAME</th>
<th>OLD NAMES</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8 S</td>
<td>44 E</td>
<td>17 - 20</td>
<td>T R S</td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Kalip</td>
<td>COUNTY</td>
<td></td>
</tr>
<tr>
<td>Sparta</td>
<td>AREA</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ELEVATION</th>
<th>ROAD OR HIGHWAY</th>
<th>DISTANCE TO SHIPPING POINT</th>
</tr>
</thead>
<tbody>
<tr>
<td>about 4900</td>
<td></td>
<td>About 30 miles to Sparta</td>
</tr>
</tbody>
</table>

**PRESENT LEGAL OWNERS (S)**

<table>
<thead>
<tr>
<th>Operator</th>
<th>Address</th>
</tr>
</thead>
</table>

**OPERATOR**

H. C. Kloppenstein, Pres.

**NAME OF CLAIMS**

<table>
<thead>
<tr>
<th>Name of claims</th>
<th>Area</th>
<th>Pat.</th>
<th>Unpat.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 claims &amp; fractions</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**DEPARTMENTAL RECORDS**

**on file in**

**REPORTS**

- Gem of Sparta from Mining World, Nov. 1946 p. 33

- Gem of Sparta from Mining World, Feb. 1940

**SHIPMENT AND ASSAY RECORDS**

**MAPS**

- Claim map as per preliminary survey, Ira Hoffman 1914

- Claim map, Ira Hoffman, 1917

- Claim map of 1914 without roads and buildings etc., Hoffman

- Amended Mineral Survey of part of Gem, Hoffman 1918

- Sketch showing Gem and Crystal Palace Group, Hoffman

- Section of workings, Nelson?

- Mine, 1938 (Orig. & 2 blueprints)

- Surface workings, 1938
Annual Report to the Corporation Department
FOR THE YEAR ENDING JUNE 30, 1936 1937

Of .................................................. (Give legal name in full)

a corporation organized and existing under and pursuant to the laws of the State of Oregon.

The location of its principal office is at No. Street, in the city of Baker, in the state of Oregon.

The names and addresses of principal officers, with the postoffice address of each, are as follows:

<table>
<thead>
<tr>
<th>NAMES</th>
<th>OFFICE</th>
<th>BUSINESS ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. D. Geiser</td>
<td>President</td>
<td>Roosevelt Hotel, Portland, Ore.</td>
</tr>
<tr>
<td>F. E. Geiser</td>
<td>Secretary</td>
<td>222 NW 30th Place, Portland, Ore.</td>
</tr>
</tbody>
</table>

The date of the annual election of officers is 2d Tuesday in September.

The date of the annual election of directors is 10th day of September.

Amount of authorized capital stock ..................................... $1,000,000.00 Shares $...........

Number of shares of authorized capital stock ......................... 1,000,000.00

Par value of each share .................................................. $1.00

Amount of capital stock subscribed ..................................... $1,000.00

Amount of capital stock issued ......................................... $556,000.00 Shares $...........

Amount of capital stock paid up ........................................ $556,000.00 Shares $...........

Price at which no par value stock issued ................................ x x x x x $...........

State amount of capital, represented by stock of no par value, with which the corporation began business ............................................. $...........

Total amount of its properties in Oregon (name of claims, lodes, or placers)


The location of its properties .............................................. Baker, Co., Oregon

The amount of work done thereon and improvements made thereon since the time of filing last report .............................................. none

The amount of output or products of the mines or wells of such corporation from January 1, 1936, to December 31, 1936, inclusive, none.

The value of output or products of the mines or wells of such corporation from January 1, 1936, to December 31, 1936, $...........

IN WITNESS WHEREOF, I, ........................................... of said corporation, have signed this report, this 23rd day of June, A. D. 1937.

... (not signed)...

STATE OF OREGON,
County of ...........................................

I, .................................................. being first duly sworn, depose and say, upon oath, that I am .................................................. of the foregoing corporation; that said corporation is not engaged in or transacting any other business except that of locating, prospecting, developing or operating mines for any of the precious metals, coal, or prospecting or operating for oil, or operating an oil well; that the value of the output or products of the mines or wells of said corporation from January 1, 1929, to December 31, 1929, inclusive, did not exceed $1,000; and that the above and foregoing statement is a full, true and
INSTRUCTIONS

This report can be used only by domestic corporations engaged in locating, prospecting, developing, or operating mines for any of the precious metals, coal, or prospecting or operating for oil, or operating an oil well, whose business shall be to engage in said business only, whose annual output or products shall not exceed in value the sum of one thousand dollars for the preceding year between the first day of January and the thirty-first day of December, and must be executed and sworn to by one of the officers of the corporation and filed in the office of the corporation commissioner not later than July 1, 1930.

The annual license fee for corporations operating mines for any of the precious metals, coal, or prospecting or operating for oil, or operating an oil well, whose annual output or products shall not exceed in value the sum of one thousand dollars is $10, PROVIDED THIS REPORT IS FILED NOT LATER THAN JULY 1, 1930.

File No. ..........................  
ANNUAL REPORT TO THE CORPORATION DEPARTMENT OF THE STATE OF OREGON  
FOR THE YEAR ENDING June 30, 1930.  
A corporation organized and existing under and pursuant to the laws of the State of Oregon.  

BLANK B
The Gem mine, located upon a vein which strikes N.-NE. and dips 30° E., has been developed to the depth of 500 feet. The development is well illustrated in the figure. The mine workings were filled with water in June, 1914, but it is said that the vein shows sharply-defined foot and hanging walls up to four feet apart. The vein filling consists of crushed and altered granite with streaks and lenses of quartz up to two feet wide. The ore is ordinarily coarse-grained quartz, containing free gold with some pyrite and black zinc blende. Neither the record of production of the Gem mine nor of any of the other properties in the district is available.

The granite which forms the country rock at Sparta is deeply decomposed and the gulches are filled with gravel. These gulches draining in all directions from the highest elevation contain placer gold. There was but little water for placer mining in the early days until the Sparta ditch was completed in 1873 to furnish water to the various gulches. This ditch is 22 miles long, with a reported capacity then of 3,000 miner’s inches or 75 cubic feet per second. A good deal of activity in placer mining followed its completion for a few years, but the water is now used almost altogether for irrigation.
Unwatering of the Gem of Sparta mine near Sparta has been postponed by the Associated Metals, Inc., because of the lack of experienced labor. However, diamond drilling has been started by the Lynch Brothers and other preparations are being made to resume development of the property when possible. Ira Mahon, 611 American Building, Seattle 4, Wash., is president and general manager of Associated Metals, which has other mining interests in Oregon and also in California and Idaho. John Arthur of Baker is directing exploration for the company.

LOCATION: Section 17 and 20, township 8 south, range 44 east.

AREA: 10 unpatented claims and fraction.


EQUIPMENT: Track, cars, small hoist, etc.

Hoist House:
- 140 horse power Atlas-Imperial diesel
- 11 x 16 two-stage Ingersoll-Rand Air Compressor
- 15 ft. air receiver.

Mill House:
- 90 horse power Atlas Imperial Diesel
- Dodge Type 12-inch crusher
- 2 automatic disk feeders
- 5 stamp batteries and amalgamation plates
- 34 inch x 50 inch stamp type rod mill operated with balls
- 4 cell flotation
- 2 Wilfey tables

Switch boards, 12 k.w., Blacksmith shop and large boarding and rooming house.

MISCELLANEOUS: Timber scanty, Sanger ditch runs through property but water must be trucked in. Well dry. Snow fall averages 2 to 8 ft.

GEOLOGY: See accompanying map. Main vein lies in albite granite in a zone 50 ft. wide in which occur several small quartz veins. The fault systems offset the vein to the west about 50 ft. on the south side occur several times.

The east prospect of the old working is on a small discontinuous stringer which is rather badly faulted and from assays made by Mr. Motz carries negligible values. This stringer lies more or less parallel to the main vein workings. (or north 10 to 25 degrees east) It also is rather badly faulted and would be hard to follow any distance.


INFORMANT: C.L. Anderson.

DATED: November 30, 1938.