

Buckeye Mine

6/46 X

NAME

OLD NAMES

Gold
PRINCIPAL ORE

Zn, Sphalerite, Pyrite, Chalco.
MINOR MINERALS

T7N

R40E

Sec. 6

T

R

S

PUBLISHED REFERENCES

..... Baker COUNTY

Oregon Metal Mines Handbook - Bulletin 14A pg 14
Grant & Cady - 14:155
Lindgren - 01:728

..... Baker AREA

..... 3500 ELEVATION

MISCELLANEOUS RECORDS

..... ROAD OR HIGHWAY

Map at Baker office - Plan-Under ground and claims
by J. Arthur

..... 8 miles North Powder DISTANCE TO
SHIPPING POINT

PRESENT LEGAL OWNER (S)
.....
.....
.....

Address
.....
.....
.....
.....

OPERATOR

Name of claims Area Pat. Unpat.

4 claims x

Name of claims Area Pat. Unpat.

x x x

EQUIPMENT ON PROPERTY

REPORTS

~~XX~~

SHIPMENT AND ASSAY RECORDS

MAPS

Plan - underground & claims by J. Arthur

1 print

x

Surface map

x

Plan of workings of 150' level

x

Cross-section looking southwest (sketch) John Arthur - Jan. 28, 1939.

x

BUCKEYE MINE
Baker District

PG 14-14A

Gold -

Mine Zn.
Sphalerite
Pyrite
Chalcopyrite

"This mine is situated in the northwest quarter of sec. 6, T. 7 S., R. 40 E., and originally had a considerable equipment. The mine has evidently been abandoned for several years, and the workings are not usually accessible. There are many old pits and tunnels as well as some deeper shafts. From the material thrown out of these workings it is evident that some limonite gossan areas were encountered, and from most of the workings a fine-grained, white-weathering, dense rock was obtained. This contains veinlets of quartz and was evidently regarded as part of the ore. Its exact nature is not clear, but it seems to be, at least in

part, a highly silicified tuff. Rock somewhat similar to this was found on the dump from the main shaft, and it is here green in color and unweathered. This rock is highly charged with pyrite, and the pyrite occurs both in disseminated crystals and in veinlets. The masses of gossan seen at the surface probably came from the weathering of such rock.

"At the main shaft some ore still remains on the ground. This ore consists of gray to green rock which has been highly silicified so that it is now largely quartz of fine grain. This rock has been minutely fractured and the fractures filled with quartz and metallic sulphides. These sulphides are also disseminated through the rock outside of the fractures. The sulphides are pyrite, sphalerite, and chalcopyrite. The pyrite and sphalerite are especially prominent. Some of the pieces of ore show malachite stains along the cracks."

Ref. Grant & Cady, 14:155 (quoted).
Lindgren, 01:728.