

Ajax Mine
NAME

OLD NAMES

Chromite
PRINCIPAL ORE

MINOR MINERALS

6/46

145 33E SE 1/4 16
T R S

PUBLISHED REFERENCES

Thayer 40 : 103
Boyanis ~~38-65~~ Bull 39 page 65
Bull 14B " 19

..... *Grant* COUNTY

..... *Canyon* AREA

..... ELEVATION

..... ROAD OR HIGHWAY

..... DISTANCE TO
SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S)

Address

OPERATOR

Name of claims Area Pat. Unpat.

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

AJAX MINECANYON AREA

The Ajax mine is in the SE $\frac{1}{4}$ sec. 16, T. 14 S., R. 33 E., 1,000 feet above Indian Creek. The workings consist of three open cuts about 25 feet long and 40 feet apart. The chromite occurs in several lenses that range in size from 2 by 3 by 4 feet to 3 by 15 by 12 feet and are arranged in echelon in a narrow dunite zone in olivinite, the long axes of the lenses being parallel to the dunite contacts. The ore includes spotted and nodular types in which conspicuous linear banding has been produced by fracturing and elongation of the chromite nodules. The spotted ore, particularly in the southernmost cut, fingers out into the dunite in a series of irregular cones extending parallel to the linear banding, which trends N. 80° E. and pitches about 50° E. The ore on the dump is reported to contain 35 to 41 percent of chromic oxide.

Reference: Thayer 40:103

Jed
Tm

AJAX (gold)

Granite Area

Owner: J. J. O'Dair, Granite, Oregon

Location: $\frac{1}{4}$ mile east of the Magnolia; in the center of NW $\frac{1}{4}$ of sec. 27, T. 8 S., R 35 $\frac{1}{2}$ E. About 5 miles N. of Granite in Lucas Gulch.

Area: 4 unpatented lode claims and mill site.

History: Worked in 1905-1906, at which time \$40,000 is said to have been taken from the shoot 90 feet long in the upper tunnel.

Development: The workings include a lower tunnel extending several hundred feet northeast with crosscuts to the north; a central tunnel 500 feet long; and an upper tunnel on the "Snowbird" claim also several hundred feet long. There is a 35-foot shaft on the top of the hill.

Geology: There are at least 3 different veins in the property. Those in the upper and lower tunnels dip in opposite directions. Cross veins and cross faults intersect these veins in several places. White decomposed dikes also cut them. The vein system is shown to be northeasterly. Country rock is argillite. The ore is composed of whitish gray sheared quartz and argillite from less than an inch to not over 2 feet in thickness. The dip and strike varies considerably. There is a large amount of limonite deposition from the vein in the lower tunnel. In the upper tunnel manganese oxides are prominent.

Miscellaneous: Property is about 5 miles from Granite on a good road and can be reached at any time during the year. Timber is abundant and water is sufficient to support a small mill.

Equipment: About 500 feet of track and 1 car. There was a 5-stamp mill on the property which has now burned down.

Informant: J. J. O'Dair; J. E. Allen (9/27/38, 10/6/38)

References: Swartley, 14:16
Hewett, 31:16

Pardee & Hewett, 14:106
Parks & Swartley, 16:7

AJAX MINE (Chromite)

Canyon District

"The Ajax mine is in the $SE\frac{1}{4}$ sec.16, T.14 S., R.33 E., 1000 feet above Indian Creek. The workings consist of three open cuts about 25 feet long and 40 feet apart. The chromite occurs in several lenses that range in size from 2 by 3 by 4 feet to 3 by 15 by 12 feet and are arranged in echelon in a narrow dunite zone in olivinite, the long axes of the lenses being parallel to the dunite contacts. The ore includes spotted and nodular types in which conspicuous linear banding has been produced by fracturing and elongation of the chromite nodules. The spotted ore, particularly in the southernmost cut, fingers out into the dunite in a series of irregular cones extending parallel to the linear banding, which trends $N.80^{\circ} E.$ and pitches about $50^{\circ} E.$ The ore on the dump is reported to contain 35 to 41 percent of chromic oxide."

Reference: Thayer 40:103 (quoted)
Allen 38:65
