

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

May 21, 1941

PRESIDENT (EL CAPITAN) CLAIMS
(gold and stibnite)

Bohemia District, Lane County

Location: Center of the E. $\frac{1}{2}$ Sec. 23, T. 23 S., R. 1 E. W. N.

Area: Four unpatented claims and power site.

Owner: W. B. Patton, Culp Creek, Oregon.

History: This property is said to have been first located in about 1898 by A. P. Churchill. Since 1926 it has been owned by Patton who has done some work on the tunnels, mostly development. It produced between four and five hundred dollars in gold.

Development: The vein has been exposed by open cuts at intervals of 200 feet for over a thousand feet. There are two tunnels, the upper one is 83 feet above the lower and was caved when the property was visited. It is reported to be 160 feet long. The lower tunnel is 120 feet long, and strikes N. 70° W.

Geology: The country rock is volcanic breccia and lava flows with an intrusion of dioritic rock just SW of the property and andesite across the creek to the SE. Dips in the rock are to the east. The oxidized portions of the vein gave free gold concentrates of values said to be up to \$1,500 a ton, plating \$135. Vein dips steeply south, and approaches vertical. It strikes about N. 70° W. In the lower tunnel the vein is from 15 to 30 inches in width and consists of two portions: the oxidized gold-bearing portion of the vein contains pyrite, chalcopyrite, galena, and sphalerite in a matrix of vuggy quartz breccia with calcite crystals lining secondary cavities; and the stibnite-bearing portion consisting of blades and clusters of stibnite crystals in white silicified breccia. The former portion runs from 5 to 15 inches in width, the latter portion from 10 to 20 inches. Two samples were taken and assayed as follows:

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- 2 -

PRESIDENT (EL CAPITAN) CLAIMS (continued)

1. From face of tunnel	Au	Ag
5" hanging wall-rock	.09	Tr.
5" quartz vein-matter		
10" stibnite-bearing footwall		
2. From stope 75' from mouth	.11	Tr.
10" hanging wall-rock		
10" sulphide vein-matter		
5" oxidized vein-matter		
6" stibnite-bearing footwall		

At no place was the stibnite-bearing footwall definitely cross-cut. About 10 tons of stibnite ore, which should run at least 25% stibnite, lies on the dump. About 450 feet in elevation above the President workings the vein is said to intersect the Pilot Rock ledge originally owned by Crockeran and now owned by John Goodard.

Miscellaneous: The country is very rugged with a relief of over 2,000 feet and slopes 7 to 30°. It is fairly well timbered and ample water is available from a tributary of St. Peter Creek which crosses the vein near its center. The next road is that at the Musick Mill, a distance of about one mile air line or at least two miles by any projecting road grade. The property is at an elevation of 3,900 feet and the Musick road is at an elevation of 5,000 feet.

Informant: W. B. Patton

Report by: J. E. Allen

Bohemia District
Lane County

El Capitán ~~or~~ President Claims

Location: Centre of E. 1/2 Sec. 23, T. 23S., R. 1E., E. 13900', Bohemia Mining district.

Owner: W. B. Patten, Culp Creek

Area: 4 claims and power site. First located in about _____ has been the owner

History: 1898 → Patten since 1926. Mostly development only. Produced \$400-500 by A.P. Churchill, ~~locater~~ of the work has been

Equipment: 2 stamp mill, 2 sluices + plates. Blacksmith shop, ore cars, etc.

Geology: Upper: oxidized, free gold conc. up to \$1500. Plates \$100.

Stibnite, less sphal. + galena. 37' long - ave. 8" = 20" wide.

Vertical (3-5° off) Reopened vein

Sulphide in oxide zone. Intersected 450' above workings by Pilot Rock ledge (Cockran) now John Woodard

Dip, open-cutted every 200'.

140' lower drift } 83' diff.
160' upper " }

Inf. W.B. Patten.

Reft. by