

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

2102 Court St.  
Baker, Oregon

**JUNIPER HILL MINE** (gold) - Upper Burnt River District,  
Baker County

**OWNER:** J. F. Keyton, Baker, Oregon

**LOCATION:** Sec. 14, T.12S., R 40E, or about 2½ miles by a  
mountain road up the canyon of the first westerly  
tributary to Auburn Creek. This road has a steep,  
but fairly uniform grade and joins the highway to  
Durkee, 18 miles distant.

**AREA:** Four unpatented claims- The Juniper Hill, Ola,  
Lamine, and Oregon.

Informants: J. F. Keyton  
Reported by H.S.N. 18-50-42.

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HISTORY: The mine was located by its present owner who worked it intermittently for several years, driving two tunnels of about 100-150' in length, in one of which he did some stoping, and sinking a 50' shaft from which he ran a short drift which he stoped to the surface. The rock was milled in a Huntington Mill, but the only record kept of either the tonnage or recovery was that of 4 tons of rich grade which yielded \$205.00. In all, Mr. Keyton estimates the property produced about \$3000.

At one time, the property was leased to a Mr. Frederick, manager for a Des Moines Company. He drove a 425' crosscut, but produced no ore.

The property has been idle for a number of years and the mill sold.

GEOLOGY: This property was visited for the specific purpose of sampling and examining talc which is reported to occur there, and which was supposedly exposed in the tunnels. Contrary to available information at the time, a heavy snowfall covered the ground, and only a small portion of the crosscut proved to be accessible. The ensuing account of the geology is of necessity general.

The property is apparently situated in the area of Metagabbro and Burnt River Schist shown on the geologic map from U.S.G.S. Bull. 879. According to Mr. Keyton, gold occurs in a 3 to 12 foot ledge of talc which contains but very few

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GEOLOGY contd.:

quartz stringers. Various specimens of the talc seen, ranged from poor grade, hard material to what appeared to be an excellent grade of massive, soft, white material, though nothing can be said concerning the relative abundance of these types at this time. The crosscut is partially in serpentine and reveals two low grade asbestos veins. A small portion of this crosscut constituted the only workings or bedrock seen.

Respectfully submitted  
M. S. Wagon

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Portland, Oregon  
12/23/38

## JUNIPER HILL PROSPECT

Upper Burnt River Dist.

Baker County

Owner: J. H. Keyton, Baker, Oregon; lessee, Ed Holland, Pearl Wright and George Stoker, all of Baker.

Location: Sec. 3, T. 12 S., R. 40 E.

Miscellaneous: Consists of four unpatented lode claims. Development in two tunnels, totaling about 400 feet.

Geology: Lower tunnel strikes N.  $10^{\circ}$  E. for what is said to be 300 feet. The first 70 feet lies in sheared serpentinous argillite cut by faults striking N.  $60^{\circ}$  W., dipping  $70^{\circ}$  S., along which considerable tremolite has been developed in zones from 1 to 3 feet thick. The next 60 feet is in dense pyritic black massive argillite. At this point the tunnel is caved in talcose serpentine. The talcose argillites or schists, strike N.  $45^{\circ}$  E. and dip  $60^{\circ}$  to the NW. Above the tunnel on the hill a series of white quartz dikes strike NE. and SW., dipping  $25^{\circ}$  to the NW. into the hillside. A few oxidized stringers occur, but it is mostly glassy and white. Two assays were taken from the property. The quartz showed no gold or silver but the schist from the upper cut returned .15 ounces of gold.

John Eliot Allen.

12/23/38

JUNIPER HILL PROSPECT

*Upper Burnt River*  
~~Blagovest~~ District

Baker County

Owner: J. H. Keyton, Baker, Oregon; lessee, Ed Holland, Pearl Wright and George Stoker, all of Baker.

Location: Sec. 3, T. 12 S., R. 40 E.

Miscellaneous: Consists of four unpatented lode claims. Development in two tunnels, totaling about 400 feet.

Geology: Lower tunnel strikes N. 10° E. <sup>for what is said to be</sup> ~~for about~~ 300 feet. The first 70 feet lies in sheared serpentineous argillite cut by faults striking N. 60 W., dipping 70° S., along which considerable tremolite has been developed in zones from 1 to 3 feet thick. The next 60 feet is in dense pyritic black massive argillite. <sup>At</sup> ~~From~~ this point the tunnel is caved in talcose serpentine. The talcose argillites, or schists, strike N. 45° E. and dip 60° to the NW. Above the tunnel on the hill a series of white quartz dikes strike NE. and SW., dipping 25° to the NW. into the hillside. A few oxidized stringers occur, but it is mostly glassy and white. Two assays were taken from the property. The quartz showed no gold or silver but the schist from the upper cut <sup>returned</sup> ~~showed~~ .15 ounces of gold.

John Eliot Allen.

*John Eliot Allen*

Jumper Hill Prospect

NAME

OLD NAMES

Px 1

PRINCIPAL ORE

Asbestos

MINOR MINERALS

446

12 S

40 E

14

T

R

S

PUBLISHED REFERENCES

Dakota

COUNTY

Upper Beavert River

AREA

ELEVATION

MISCELLANEOUS RECORDS

ROAD OR HIGHWAY

18 miles to Beavert

DISTANCE TO SHIPPING POINT

PRESENT LEGAL OWNER (S)

J.F. Keyton

Address

Dakota, Oregon

OPERATOR

Name of claims	Area	Pat.	Unpat.
<u>Jumper Hill</u>			<input checked="" type="checkbox"/>
<u>Ola</u>			<input checked="" type="checkbox"/>
<u>Lamine</u>			<input checked="" type="checkbox"/>
<u>Oregon</u>			<input checked="" type="checkbox"/>

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY