

PROOF OF LABOR
ON MINING CLAIM

State of Washington }
of Snohomish } SS

County of Snohomish }

Before me the subscriber personally appeared M. D. Griffin

who being first duly sworn on oath, deposes and says: That he has performed labor and made improvements upon the following described mining claim, to-wit:

Penny, Penny #1-#17
(OR MC 29301-29318 respectively)
Situate in NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$ Section 34, T4N, R5E (WM) and NW $\frac{1}{4}$ Section 3, T3N, R5E (WM)

situated in the Copper Creek (unorganized) District, in

Skamania County, State ~~or District~~ of Washington During

the year ending 19, for and on behalf of

M. D. Griffin, A. R. Grant

the owner of said mining claim in the sum and value of at least \$1,800.00

(One Thousand Eight Hundred) Dollars

that such labor and improvements consisted of Feet of Shaft, Feet of Tunnel,

Feet of Open Cut.

Geologic evaluation of breccia pipe potential
(See attached report)



and extended over five (5) days' time, and that the same was filed by said

M. D. Griffin

28 day of August 19 81

Subscribed and sworn to before me this

M. D. Griffin
NOTARY PUBLIC in and for the State
of Washington, residing AT EVERETT

(R.R.S. 8627)

ALAN ROBERT GRANT
CONSULTING GEOLOGIST
P. O. BOX 15
LANGLEY, WASHINGTON 98260
(206) 321-4365

The following report of geologic evaluation is presented to accompany the Proof of Labor affidavit on the below listed claims for the assessment year ending August 31, 1981:

Penny

OR MC 29301

Penny #1

OR MC 29302

Penny #2

OR MC 29303

Penny #3

OR MC 29304

Penny #4

OR MC 29305

Penny #5

OR MC 29306

Penny #6

OR MC 29307

Penny #7

OR MC 29308

Penny #8

OR MC 29309

Penny #9

OR MC 29310

Penny #10

OR MC 29311

Penny #11

OR MC 29312

Penny #12

OR MC 29313

Penny #13

OR MC 29314

Penny #14

OR MC 29315

Penny #15

OR MC 29316

Penny #16

OR MC 29317

Penny #17

OR MC 29318

Location: NE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$ Section 34
T4N, R5E (WM)
NW $\frac{1}{4}$ Section 3, T3N, R5E (WM)

Dates of Work: August, 1981

Personnel Involved: A. R. Grant, PhD
Consulting Economic Geologist

Evaluation of the Penny claim block was accomplished to determine whether the breccia pipe potential on the property has been adequately tested by past drilling. The previous drilling was performed by Amoco Minerals, Denver, Colorado and Denison Mines, Spokane, Washington during the period from 1975 through August, 1980.

Several of the drill holes intersected relatively short intercepts of quartz-tourmaline breccia. Most of these intercepts were encountered within a few hundred feet of surface. Examination of surface and mapping of breccia outcrop distribution indicate that the holes were drilled near the margins of the pipes. Outcrop in the pipe area is scattered and disconnected. Even so, the outcrop pattern, coupled with drill results, suggest a possible steep southwesterly dip of the pipe contacts. If this attitude can be demonstrated to be real, it would explain the poor drilling results.

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Past drilling experience at other Cascade breccia pipe occurrences has determined that most pipes flare and directionally plunge with depth. Drill holes exploring these pipes are almost always drilled at an angle to crosscut the system. Holes on the Penny pipes have been vertical.

The result of this evaluation has demonstrated that the pipe potential on the Penny ground has not been adequately explored. Future drilling must be designed to crosscut the pipe structures. Past holes have encountered weak chalcopyrite mineralization within the short pipe intercepts. Mineralogical and alteration characteristics of the Penny breccias suggest the presence of vertical zoning with reasonable probability of encountering higher grade mineralization in the core the breccia pipe system.

A. R. Grant
A. R. Grant, PhD
Consulting Geologist

August 27, 1981

STATE OF WASHINGTON) SS.
COUNTY OF SKAMANIA)
I HEREBY CERTIFY THAT THE WITHIN
INSTRUMENT OF WRITING FILED BY

Matthew D. Maylor

OF Matthew D. Maylor

AT 2:00 P.M. Aug 2, 1981

WAS RECEIVED AND FILED

OF Matt Maylor PAGE 884

RECORDS OF SKAMANIA COUNTY, WASH.

Matthew D. Maylor

COUNTY AUDITOR

Matthew D. Maylor

DEPUTY

Registered S

Indexed, Dir. S

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