

JUMP OFF JOE MINE

GOLD HILL

JACKSON  
FW



STATE DEPARTMENT OF GEOLOGY  
AND MINERAL INDUSTRIES

702 WOODLARK BUILDING  
PORTLAND 5, OREGON

April 3, 1950

RECEIVED  
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STATE DEPT. OF GEOLOGY  
& MINERAL INDS.

Mr. Ralph Mason  
702 Woodlark Bldg.  
Portland 5, Oregon

Dear Ralph:

Here's the dope on the Taylor All Metals Concentrator and the Pugh Quartz Mill -- the equipment has been set up on a property at the head of Jumpoff-Joe Creek. I noted the mill when I was making my placer check in February, but the owners were not present at that time. The owners are: P. O. Sandburg, W. S. Walsh and Frank Heath, Box 434, Grants Pass, Oregon. The mill site is on the Jumpoff-Joe Placer property, sect. 25, T 34s, R 5w. The ore is to be hauled by truck from an "open cut" mine located about 1 mile east just into Jackson County (E $\frac{1}{2}$ , sect. 30, T 34s, R 4w). Tentatively the mine is known as the Jumpoff-Joe Mine.

The Pugh Mill apparently failed to work satisfactorily from the first. After running a few tons of ore the gears showed excessive wear and it was necessary to alter the mill considerably to eliminate this. There are several other things which make it unsatisfactory and possibly not practical. The material fed into the mill must be first broken down to a fairly fine, even size to be effectively worked. Presence of a few chunks of quartz cause the grinding plate to ride up over the finer material for some time before the lump quartz is broken down. As a result the mill becomes plugged occasionally. Mr. Heath believes that they probably will have to put in a crusher and possibly rolls ahead of the Pugh Mill.

The Taylor concentrator is a 4 bowl model and appears to have been very satisfactory in its limited use to date. Mr. Heath reports that it seems to recover the extremely fine gold very well.