

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

RECEIVED  
DEC 31 1946  
STATE DEPT OF GEOLOGY  
& MINERAL INDS.

Report by N. S. Wagner

Date exam---12/19/46

BOB & JACK CLAIMS (Au)

Virtue District  
Baker County

FOREWARD:

This was a requested inspection with the requestors chief problem being the feasibility of conducting more prospect development, and the nature thereof.

OWNER:

W.M. Payton--Baker, Oregon

LOCATION:

T. 9 S., R. 41 E., Sec. 35----on the old road from Quartz to the White Swan Mine.

AREA:

Two quartz claims called the Bob and Jack taken by Payton in 1941.

HISTORY:

Two or three test pits represent the only old work on these claims, and these are of no especial significance. In this respect, small pits of early vintage abound in this general area----or in the hills bordering Virtue Flat from the Brazos Mine to the Virtue Mine. Most of these pits were sunk in prospecting what proved to be barren quartz stringers in the Elkhorn Ridge argillite series.

DEVELOPMENT

WORK:

The present development consists of four small easterly dipping inclines spaced about 8' apart and parallel. The largest is on the North of the series and is about twenty feet in length.

Additional prospect testing consisted of post hole sampling of the hillside along the gulch below the workings.

GEOLOGY:

The "vein" appears to be a fault plane of limonitic gouge and crushed rock containing a network of thin quartz stringers in places and occasional chunks of massive white quartz. The country rock is the Elkhorn Ridge argillite formation.

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None of the workings expose the bedrock at depth sufficiently below the zone of surface weathering and slump to permit positive determination of trends, but as exposed the strike is about North South with a 20° dip to the East.

Samples taken were as follows:

GB 318---A cut of 30" from the face of the big incline, the material consisting of crushed wall rock, limonitic gouge, a few quartz stringers. (Au--Nil) (Ag--1.00oz./ton)

GB 319---A cut of 24" from a streak on the north wall of the big incline, the material consisting principally of limonitic gouge containing small fragments of quartz. (Au--Tr} (Ag--0.60 oz./ton)

GB 320---Grab sample from dump consisting of selected pieces of formation containing comb structure quartz stringers. (Au-TR) (Ag-Nil)

GB 321---Grab sample from dump consisting of selected pieces of formation containing a green encrustation which is reportedly associated with ore in the neighboring Mabel Mine. (Au-Nil) (Ag-0.20)

GB 322---Grab sample from dump of massive quartz chunks encountered in spots in the "vein". (Au--Tr} (Ag--0.20)

Pannings of material from the dump of the earlier test holes and from the post hole samples dug by Payton yielded blanks.

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## ECONOMICS:

In view of the assay and panning results continued exploration on the present site is unwarranted. Unless an entirely new and promising lead is found else where on the claims, the property appears to be worthless.

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

9

41

35

T

R

S

PUBLISHED REFERENCES

..... Baker ..... COUNTY

..... Virtue ..... AREA

..... ELEVATION

MISCELLANEOUS RECORDS

On old road from Quartz to White Swan Mine ROAD OR HIGHWAY

..... DISTANCE TO SHIPPING POINT

PRESENT LEGAL OWNER (S) ..... W. M. Payton .....

Address Baker, Oregon .....

OPERATOR ..... none .....

Name of claims	Area	Pat.	Unpat.
Bob	full		'
Jack	"		'

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY

**REPORTS**

Bob and Jack Claims--N. S. Wagner--December 19, 1946

X

X

X

**SHIPMENT AND ASSAY RECORDS**

Assays GB 318 to 322 inclusive--incorporated in above report

**MAPS**