

4/5/38

QUARTZ PROPERTY

1. Name of property Black Bear Mine--Relocated as The Cub
Operating company (or individual) Irvin Brothers
Address Baker, Oregon
Location of property 3/4 mile above Delay Cabin in Phillips Gulch, NW of Baker on
Acreage of holdings Elkhorn Ridge.
1 claim at present. Will be 6 this spring.
2. History of property, past and recent:
John Deerman original locator about 20 years ago; he is at present in Insane Asylum. Relocated in January, 1938, by the three Irvin Brothers.
3. History of production:
4. Development: Number of levels, lengths of drifts and cross-cuts, raises, etc.:
Upper tunnel (caved at portal)--100' with short drifts.
Lower tunnel--300' x-cut into vein. Drift S22W, 15'; N22E, 40'.
5. General description and equipment on hand, topography, country rocks, elevation, timber, water, snow fall, climate, power, etc.
x-cut in granodiorite. Steep canyon topography. Country rock apparently all in granodiorite for a considerable area. Elevation 4500'. Plenty of timber for ordinary use. Water lacking except in spring and early summer. At present 3' to 5' of snow on surface making it almost impossible to examine the surface. Rather isolated, although road (needs fixing) runs within 3/4 mile of portal.
6. Geology - General and local. Ore geology - type of deposit, i.e., vein, mineralized zone, bed; contact relations, attitude and orientation, vein minerals, gangue, type of mineralization, alteration, enrichment, etc.
Vein in granodiorite. Much crushed and sericitized granitic filling with small quartz kidneys and lense-streaks. Some granular sulphide (mixed) pockets where presumably the high gold values are secured. Calcitic filling in minute cracks in quartz. Vein is 6" to 2 1/2' in width in interval of 60'. Strike S22W, N22E. Dip 55° westerly. High-grade values in gold content have been reported, but I feel that the assays were of the "grab" variety and not definite sample cuts. Four samples taken,
7. Metallurgy - nature of ore, hard or soft, free-milling, base, direct shipping, etc. Kind of mill and equipment in use or planned, current daily tonnage of ore or concentrates, approximate value, freight rates to smelter, etc.
→ Channel cuts were made by myself as follows which were reported as "hi-grade" (\$18.00 to \$35.00) previously:
#1--31". Cut across breast near top. SW drift. Gougy, sericitic material with narrow stringers of quartz with sulphides. Au. 0.04 Ag. Nil
#2--31". Same as No.2 only near bottom. Au. 0.05 Ag. Nil
#3--Hanging wall streak, "frozen" tightly to wall. Calcite in minute streaks. Au. 0.03 Ag. Nil
8. Remarks - economics: High or low cost, principal drawbacks, reasons for success or failure, apparent life of operation based on apparent quantity of ore available.
#4--Breast NE drift. 6" of quartz. Sericitic gouge on both walls. Calcite in cracks. Au. 0.17 Ag. Nil
Surface exposure was not in condition (snow) to examine. Claimed to have along lateral extent. Quite doubtful. As the owners are still insistent on working it, I recommended that they open the upper tunnel sufficient to examine the workings and drift a short way each direction in lower tunnel with a 4'-5' winze in the most promising location. Later examination ^{will} be necessary.

Albert V. Quine
Albert V. Quine, Mining Geologist

Cub Mine Quartz

Baker County

Old Name: Black Bear Mine

Present Owner: Irvin Brothers (3), Baker, Oregon.

Location: 3/4 miles above Delay Cabin in Phillips Gulch, NW of Baker on Elkhorn Ridge. 1 claim at present. Expect to locate 5 in addition, Spring of 1938.

History: John Deerman, original locator, about 20 years ago. Re-located in January 1938 by three Irvin Brothers. No production of record but is said to have had 1 or 2 small high-grade pockets.

Geology: Steep canyon topography, country rock apparently all granodiorite for a considerable area. Elevation 4500'. Plenty of timber for ordinary use. Water lacking except in spring and early summer. Winter snows 3' to 5'. Somewhat isolated, although road, which needs repairing, runs within 3/4 miles of tunnel. Vein in granodiorite. Much crushed and sericitized granitic filling with small quartz kidneys and lense-streaks. Some mixed granular sulphide pockets where presumably the high gold values are secured. Calcitic filling in minute cracks in quartz. Vein is 6" to 2 1/2' in width in interval of 60'. Strike of vein S22W, N22E. Dip 55° westerly. High-grade values in gold content have been reported, but assays may have been from "grab" samples. Three informational samples were taken by the informant which averaged \$1.40 in gold. A sample taken in the face of the NW drift of a 6" stringer of quartz assayed \$6.95 in gold. Too much snow to examine the surface exposures. Owners claim the vein to outcrop along the distance. Owners intend to continue development. Recommended that they open the upper tunnel sufficient to examine the workings and drift a short way in each direction in lower tunnel and sink a prospecting winze in the most promising location. Later examination should be made.

Informant: A. V. Quine.

4/5/38

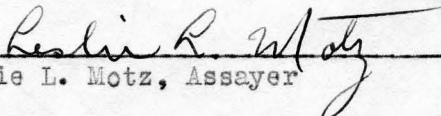
Office numbers 87-, 88-, 89-, 90-4-8

A. V. Quine (Irvin Borthers)

Sample no.	GOLD		SILVER		TOTAL value
	oz/ton	value	oz/ton	value	
1	0.04		Nil		
2	0.05		Nil		
3	0.03		Nil		
4	0.17		Tr		

Description:

- 1 -- 31" - Top of breast, SW drift; Gouge (granitic) with narrow stringers of quartz with pyrites (Secondary?).
- 2 -- Near bottom of SW drift - Same character as #1, width, 31"
- 3 -- Hanging wall streak (1" to 1½") - frozen. Calcitic(?).
- 4 -- Breast of NE drift - 40' from x-cut - vein narrow - mainly quartz
- 6" --


Leslie L. Motz, Assayer

CUB Mine Assay

Black Bear see Cub Mine

Gold

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

3/4 mi. above Delany Cabin in Phillips Gulch
NW Baker on Elkhorn Ridge

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S

PUBLISHED REFERENCES

Dogami 14-a, p. 86

Baker

COUNTY

Rock Creek

AREA

4500

ELEVATION

ROAD OR HIGHWAY

DISTANCE TO
SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S)

Irvin Brothers

Address

Baker, Ore

OPERATOR

Name of claims

Area

Pat.

Unpat.

Name of claims

Area

Pat.

Unpat.

1 claim

EQUIPMENT ON PROPERTY

FILED IN

RECORDS AND SURVEY RECORDS

Cub Mine

Black Bear

Gold

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

3/4 mi. above Delay Cabin in Phillips Gulch -
NW Baker on Elkhorn Ridge

PUBLISHED REFERENCES

Oregon Metal Mines Handbook 14A pg-86

MISCELLANEOUS RECORDS

T R S

Baker COUNTY

Rock Creek AREA

4500 ELEVATION

..... ROAD OR HIGHWAY

Irvin Bros. DISTANCE TO
SHIPPING POINT

PRESENT LEGAL OWNER (S) Irvin Bros.

Address Baker, Ore.

OPERATOR

Name of claims Area Pat. Unpat.

1 claim

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

DEPARTMENTAL RECORDS on file in

INTERNAL AND VESSEL RECORDS

Boeing C.P.