

Roy and Sturgill Mines

Eagle Cr.
Sanger District

Baker county

Owner: Claude McIntyre, 2029 Cherry St. Baker, Oregon

Location: Near the center of the SE $\frac{1}{4}$ section 3, T 7S, R43 E W M.

Area: Two unpatented lode claims (see map).

History: Both are said to have been discovered about 50 years ago, and have been mined for most of that time, although only by one or two men. The Roy is said to have produced about \$100,000. The ore from the Sturgill was mined at the Sanger mill, and is said to have run about \$16.00 at old prices. Acquired by McIntyre in 1937.

Equipment: None.

Development: Roy said to be developed by 1000 feet of drift. Sturgill by about 500 feet on two levels (lower one full of water.. below creek level. Numerous small adits and open cuts. See accompanying maps. Ore stoped from 25 feet between levels. One narrow stope up 75 feet from upper level.

Miscellaneous: Timber abundant. Water plentiful. Snowfall 4-5 feet. Elevation about 4400 feet. Good road (kept up by lumber company) about 14 miles to Medical Springs.

Geology: Country rock blocky argillite, cut by dioritic dikes, one of which lies just east of Tunnel # 8 (see maps). Parallel lenticular band of limestone conglomerate (Martin Bridge formation (?) Triassic) lie to the east. The argillite underground is seen to be considerably faulted, with attitudes ranging from N 45°W to N 50° E. The vein trends from N 10° to N35° E, and dips from 35 to 45° East. At one point it is considerably disturbed, and appears to trend north and dip 30° east. This is local. The vein is composed of iron stained quartz, more or less broken and crumbly, and in places very finely ground into a sugary texture. No primary sulphides are visible and the gold is said to be entirely free. The sulphide zone is said to have been reached at a depth of 400 feet in the Sanger mine, a few thousand feet to the north. Faulting is normal, with displacements of 2 and possibly 20 feet noted. Some of the faulting is pre-mineral, some later.

The vein has been traced on the surface by means of shallow cuts and adits for nearly 1100 feet north of the creek (Sturgill) and 250 feet south of the creek (Roy). A cross vein is indicated, about 875 feet north of the main tunnel #1, which may possibly be an extension of the Townlee vein, exposed in cut # 7 on the east side of Susan Gulch. The cross vein strikes east-west, dips 35° south. The Townlee vein strikes N50°E and dips 75° E.

A parallel vein lies to the west of the Sturgill, about 60 feet away. It is developed by a tunnel, now caved.

The Roy portion of the two veins is developed by several drifts and shafts, now caved.

Over the developed length, the east vein was seen to have a width varying from an inch or so to above 2 feet, but averaging

over 7 inches . As the hill to the north of the main tunnel is not very steep (there is possibly 100 feet difference in elevation between the ends of the claim) the amount of backs is not great, and tonnage for any but a very small mill could not be developed without sinking.

It is probably that the gold is near the zone of secondary enrichment. (The property is several hundred feet lower than the Sanger mine). The vein

Economics: Assays from the property vary from \$4.00 to over \$50.00.

No careful testing of the ore has been made. Since the ore is free milling, the mine presents a favorable aspect for a small operation, probably of not over 25 tons a day and only a few men for operation. Tonnage is not blocked out, and this should be done before a mill is erected, if the testing program is favorable.

Index to Map II:

1. Creek level, main tunnel.
2. Inclined shaft, 75' up.
3. Open cut, caved.
4. Caved tunnel 25' long, exposing 2' vein, E*W, 35°S.
5. Small open cut, quartz on dump.
6. Open cuts exposing vein striking N 25°E, 45° (?)S.
7. Townlee vein ? 30" wide. Said not to pan. N 50°E, 75°S.
8. Tunnel on west vein, caved.
9. Shaft 8' deep to bedrock. Has not yet reached vein.
10. Tunnel caved.
11. Tunnel 358 long, vein N 55° W, 45° S.
12. Series of four shafts about 30 feet apart, in an east-west line, each 25' above the last, by which the Roy vein was developed.

Respectfully submitted,

John Eliot Allen
 John Eliot Allen
 field geologist
 10/5/38

Roy & Sturgill Mines

Gold

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

T7S

R43E

SE 1/4 Sec. 3

T

R

S

PUBLISHED REFERENCES

Ore. Metal Mines Handbook 14A pg.49

..... Baker COUNTY

..... Eagle Creek AREA

..... 4400 ELEVATION

..... ROAD OR HIGHWAY

..... 14 mi. Medical Springs DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) .. Claud McIntyre

Address . Baker, Ore.....

OPERATOR

Name of claims Area Pat. Unpat.

2 claims

x

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY