STEARS MOLY PROSPECT (Mo)
(Part of Old Gold Hill Pocket Mine(?))

Jackson County
Gold Hill District

Owner: Charles C. Stearns & associates, Medford, Oregon.

Location: SW¼, NE¼ sec. 14, T. 36 S., R. 3 W., at about 2,000 feet elevation. The prospect is reached via old Highway 99 to a point 1 mile east of Gold Hill then north on private road to the John Nelson place and then up the hillside via a new dirt road to the mine. The mine is about 1½ miles from the highway.

Development: Several cuts and tunnels in the immediate area are gold prospects stimulated largely by the old Gold Hill Pocket Mine. The moly occurs in the largest cut. It is a trench about 60-feet deep entering from the south side of the ridge. It is about 100 feet long in a N. 25° W. direction, 30 to 40 feet across at the top and about 15 feet wide at the bottom. The trench is open at the south end and has a 65 foot face at the north end.

Geology: Molybdenite occurs in a fissure vein or shear zone about 3 feet wide with 8 inches of vein quartz on the footwall. The vein occurs in the north face and along the bottom and east side of the trench. It strikes N. 15° W. and dips 55° E. Higher in the face the quartz varies from 6 to 18 inches in width and appears to strike about N. 35° W. and dip 65° NE.

The country rock varies in appearance from a hornblendite to a hornblende diorite. It is mapped as gabbro on the Preliminary Geologic Map of the Grants Pass quadrangle by Wells and others, 1940. At this point the rock could well be classed as a metagabbro.

In the shear zone the hornblende has been altered to chlorite and is
impregnated with pink orthoclase feldspar and quartz. The sulphides, pyrite and molybdenite are disseminated through the shear zone and also smeared out on numerous small shears giving the appearance of a higher grade ore.

A 3-foot chip sample taken across the shear zone and quartz (TG-127, P-24173) assayed 1.00% Mo and Nil in both gold and silver. A sample of high grade (TG-308, P-9186) taken by H. D. Wolfe, 1949, assayed 4.48 percent Mo.

About 12 tons of molybdenite-bearing rock was stacked beside the road just east of the trench.


Report: By Len Ramp 9/16/59.
CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO: 0061519
RECORD TYPE: XIM
COUNTRY/ORGANIZATION: USGS
MAP CODE NO. OF REC:

REPORTER
NAME: SMITH, ROSCOE M.
DATE: 78 08
UPDATED: 81 01
BY: FERNS, MARK L.; (BROCKS, HOWARD C.)

NAME AND LOCATION
DEPOSIT NAME: STEARNS MOLY PROSPECT
MINING DISTRICT/AREA/SUBDIST: GOLD HILL
COUNTRY CODE: US
COUNTRY NAME: UNITED STATES
STATE CODE: OR
STATE NAME: OREGON
COUNTY: JACKSON
DRAINAGE AREA: 17 ROGUE RIVER
PHYSIOGRAPHIC PROV.: 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION: 00
QUAD SCALE: 1: 62500
QUAD NO OR NAME: GOLD HILL
LATITUDE: 42-26-30N
LONGITUDE: 123-01-06W
UTM NORTHING: 4698600.
UTM EASTING: 490500.
UTM ZONE NO: +10
THP.... 36S
RANGE.... 03W
SECTION.... 14
MERIDIAN: WB & M
LOCATION COMMENTS: SW 1/4 NE 1/4

COMMODITY INFORMATION
COMMODITIES PRESENT: 40
ORE MATERIALS (MINERALS, ROCKS, ETC.):
PYRITE, MOLYBDENITE

ANALYTICAL DATA (GENERAL)
1.0-4.5% Mo

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
LODE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT ........ SMALL
MAX WIDTH ............... 3 FT
STRIKE OF OREBODY ...... N15W
DIP OF OREBODY ........ 55E

DESCRIPTION OF WORKINGS
SURFACE

COMMENTS (DESCRIPTION OF WORKINGS):
60 FT DEEP OPEN CUT

PRODUCTION
UNDETERMINED
23 SAMPLES - 1959 1-4.5 MO

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS ............... PRE-LTRI
HOST ROCK TYPES ................. METAGABBRO
PERTINENT MINERALOGY ............. CHLORITE, QUARTZ, POTASSIUM FELDSPAR

GENERAL REFERENCES
1) RAMP, L, 1959, STEARNS MOLY PROSPECT; ODGMI UNPUBLISHED FILE REPORT.