

SHORTY HOPE MINE

ASHLAND AREA

Feb. 6, 1941.

V. E. Hughes reported that V. E. & V. G. Hughes are starting cyanide operations on the Shorty Hope tailings.

SHORTY HOPE MINE

- NAME:** Shorty Hope Mine
- LOCATION:** Wagner Creek, Jackson County, Oregon, near City of Talent.
- ELEVATION:** 2450 feet.
- AREA:** 107 acres, more or less.
- TITLE:** Good commercial title. 27 acres, more or less, patented mineral and 80 acres deeded government land.
- VEIN:** True Fissure. Width 4-16 feet. Strike Northwesterly. Dip slightly Southwesterly. Cropping 3,500 feet.
- FORMATIONS:** Granite, Diorite and associated formations.
- ORE SHOOT:** Apparently one continuous deposit of low grade gold ore in evidence on the surface for a length of some 2,000 feet and having occasional shoots of higher grade ore ranging up to more than 100 feet in length as noted in underground workings.
- ORES:** White to dark grey quartz containing gold, little silver, pyrites and some galena.
- MINERALS:** Gold, Silver, Galena, Iron Pyrites, etc.
- VALUES:** A composite of all section samples taken on the better grade ores since reopening and resumed operations of the mine give an average assay return of \$18.35 per ton. A positive statement of the average value of low grade ores cannot properly be made from the extent of present exposures but from what can be determined one might suggest a value of roundly \$4.00 per ton. It is claimed that original operations showed an average return ranging from \$4.00 to \$15.00 per ton.
- DEVELOPMENT:** The original working had about 1,600 feet along the strike of the vein for about 1,000 feet in length entered by a crosscut from the surface in Bear Gulch. Several hundred feet in length has been stoped to the surface ~~in Bear~~ from this level and the workings are now closed. The present main working level has an entry on the opposite side of the ridge about 800 feet distant and 100 feet lower than the original workings and follows the vein system Southwesterly for a distance of 1446 feet underground gaining a vertical depth of some 200 feet below the apex of the vein. Total extent of underground workings about 3,500 feet.
- PRODUCTION:** Past production previous to present ownership is reputed to be about \$300,000, principally from milling. Some high grade was shipped.
- PROCESS:** Stamp milling. Amalgamation and gravity concentration. Cyanide should be added to the process to effect a satisfactory saving.
- ORE**
- TONNAGE:** At a point 1,100 feet in a shoot of the better grade ores has

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Continued
ORE
TONNAGE:

been sufficiently developed and worked to indicate some 2,500 tons available between the present workings and the original workings. Average assay value \$15.20 per ton in place. Average assay of mill heads \$18.35 per ton. The ore of this shoot is observed to be larger and more massive in character as it passes through the main working level and a winze started from the floor of this level disclosed four feet of clean ore between walls with values much increased and it is certain that there is a considerable quantity of this ore immediately available below this level. Present development is not sufficient to permit a computation of ores available above the main working level further than to suggest that the entire bulk of low grade material in this zone would represent upwards of 50,000 tons. This would be without consideration for the downward continuation of ores below the main working level or for the northwesterly continuation of the deposit from the portal of the present workings.

- COSTS:** Past operations established an average cost of about \$2.00 per ton on a capacity of 40 tons per day.
- POWER:** Electric power installed. Commercial, 3 phase, 440 volt, 70 HP connected load. Cal-Oreg. Power Co.
- WATER:** Sufficient for all needs, on the grounds.
- TIMBER:** A good stand of excellent mine timber on the property.
- TRANSPORTATION:** Macadam auto road connects with the railroad and the Pacific Highway at Talent, Oregon, distance four miles.
- BUILDINGS:** Five stamp mill building, office, etc.
- EQUIPMENT:** Compressor connected by short belt drive to 40 HP electric motor, complete with air receiver etc. installed.
2,000 feet, more or less, 2" pipe, air line from compressor.
3,000 feet, more or less 20# track rail from mill thru main level.
Five Stamp Mill complete with frame, feeder, etc., installed, connected by belt to line shaft driven by 20 HP electric motor.
Blake type rock crusher belted to 10 HP electric motor.
Platetable and amalgamating plates.
Concentrating table belted to line shaft.
Electric fixtures and other appliances complete for operation.
- INVESTMENT:** Permanent improvements, underground workings, excavations, buildings, etc., exclusive of equipment may be given at a reasonable replacement value of roundly \$60,000.
- REMARKS:** The material increase of size and value of ores as noted in the main working level, compared with ores above the level, and the very considerable improvement in values immediately below the main level indicate that the enrichment of the Shorty Hope Mine, like that of the Ashland Mine, will be found deep seated with greater values at depth.

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REMARKS:

The Shorty Hope Mine, with its past production record, present development, ore tonnage and future possibilities is far above the average gold property to be found available and with power, transportation, timber, water, equipment, etc., already provided presents an unusually attractive proposition for early returns with potential possibilities for a permanent producer of vast importance.

OWNER:

P. B. Wickham
Ashland, Oregon.
March, 1939.

INFORMANT: P. B. WICKHAM 3/18/39

RECORD IDENTIFICATION
 RECORD NO..... MO13839
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CONSV
 MAP CODE NO. OF REC..

REPORTER
 NAME..... LEE, W
 DATE..... 74 01

NAME AND LOCATION
 DEPOSIT NAME..... SHORTY HOPE

MINING DISTRICT/AREA/SUBDIST. ASHLAND

COUNTRY CODE..... US
 COUNTRY NAME: UNITED STATES

STATE CODE..... OR
 STATE NAME: OREGON

COUNTY..... JACKSON

QUAD SCALE QUAD NO OR NAME
 1: TALENT

UTM NORTHING UTM EASTING UTMZONE NO

TWP..... 39S
 RANGE.... 01W
 SECTION.. 11 12
 MERIDIAN. W.M.

POSITION FROM NEAREST PROMINENT LOCALITY: SEC. 11: E1/2 SE1/4 SEC. 12: W1/2 SW1/4

COMMODITY INFORMATION
 COMMODITIES PRESENT..... AU

EXPLORATION AND DEVELOPMENT
 STATUS OF EXPLOR. OR DEV. B

PRODUCTION
 YES

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... M013838
 RECORD TYPE..... X1M
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CENSV
 MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
 DATE..... 74 01
 UPDATED..... 80 12
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... SHORTY HOPE

MINING DISTRICT/AREA/SUBDIST. ASHLAND

COUNTRY CODE..... US
 COUNTRY NAME: UNITED STATES

STATE CODE..... OR
 STATE NAME: OREGON

COUNTY..... JACKSON
 LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
 1: 62500 TALENT

LATITUDE LONGITUDE
 42-12-13N 122-46-14W

UTM NORTHING UTM EASTING UTM ZONE NO
 4672200. 518950. +10

TWP..... 39S
 RANGE..... 01W
 SECTION.. 12
 MERIDIAN. WILLAMETTE

POSITION FROM NEAREST PROMINENT LOCALITY: NW1/4, FROM 2400 TO 3500 FEET ELEVATION. IT LIES ON 107 ACRES OF PATENTED LAND.

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU AG PB CU

OCURRENCE(S) OR POTENTIAL PRODUCT(S):
POTENTIAL.....
OCURRENCE..... CU PB

ORE MATERIALS (MINERALS, ROCKS, ETC.):
FREE GOLD, CHALCOPYRITE, GALENA; PYRITE

MAIN ORE MINERALS:
FREE GOLD, CHALCOPYRITE, GALENA

MINOR ORE MINERALS:
PYRITE

COMMODITY COMMENTS:
2.672 AU:AG

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 4
PROPERTY IS INACTIVE

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
VEIN

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

MAX WIDTH..... 16 FT

STRIKE OF OREBODY.... N55W

DIP OF OREBODY..... 90

COMMENTS(DESCRIPTION OF DEPOSIT):

OLD WORKING EXPLORE VEIN ALONG STRIKE FOR 1000 FT.

DESCRIPTION OF WORKINGS
UNDERGROUND

COMMENTS(DESCRIP. OF WORKINGS):

ADITS AND SHAFT TOTAL ABOUT 3500 FT OF WORKINGS

PRODUCTION
YES

ANNUAL PRODUCTION (ORE, COMMOD., CONC., OVERBURD.)

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
1	ORE ACC	0.626	TONS	1933	0.17 OZ/TON AU; 0.064 OZ/TON AG

SOURCE OF INFORMATION (PRODUCTION).. USBM

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI
 HOST ROCK TYPES..... HORNFEISED METAVOLCANICS

AGE OF ASSOC. IGNEOUS ROCKS.. LJUR-CRET
 IGNEOUS ROCK TYPES..... GRANODIORITE

GEOLOGICAL DESCRIPTIVE NOTES. COUNTRY ROCKS ARE APPLGATE GRP RECRYSTALLIZED METAVOLCANIS & SEDIMENTS, COMPLEXLY INTRUDED BY DIKES AND MASSES OF THE ASHLAND DIORITE BATHOLITH.

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

- 1) NAME: APPLGATE GROUP
 AGE: PERM TRI

NAMES/AGE OF IGNEOUS UNITS OR IGNEOUS ROCK TYPES

- 2) NAME: ASHLAND PLUTON
 AGE: LJUR CRET

GENERAL REFERENCES

- 1) BROOKS, H.C. AND RAMP, L., 1968, GOLD AND SILVER IN OREGON; ODGM BULL. 61, P.275
- 2) OREGON METAL MINES HANDBOOK, 1943, ODGM BULL. 14-C, VOL. 2, SEC. 2, P.39