

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

Report by: Ray C. Treasher  
Date: March 6, 1943

## LIVELY LIMESTONE QUARRIES (abandoned)

Gold Hill area  
Jackson County

Two small limestone lenses were quarried out and the quarries abandoned. The limestone was burned to lime in a small vertical kiln that still stands on the property.

Owner: J. W. Lively, Grants Pass, Oregon.

Location: Sec. 2, T. 37 S., R. 3 W., on Kane Creek

History: Hodge 1/ reported as follows:

"This property, formerly owned by the Lively Lime Company, of Gold Hill, is now owned by a Mr. Hughes, of the Oregon Portland Cement Company. It is situated in sec. 11, T. 37 S., R. 3 W., on the east side of the south or principal fork of Kane Creek, 5 miles southeast of Gold Hill. The limestone is quite pure, especially on the southeast side of the quarry, but grades into a less pure variety on the northwest side. The quarry floor is connected to bunkers 350 feet away by well-graded track passing through a 200-foot tunnel. Overburden is less than 3 feet thick and forest cover is light.

"It is said that much of the limestone was shipped to Salem and Lebanon where it was used for paper manufacture at a price of \$1.50 per ton, f.o.b. Gold Hill, Oregon. Reserves appear to be large. Equipment includes track, two large bunkers adjacent to the county road, a 15 h.p. 220-volt electric motor, and a 6 by 6 inch compressor for drilling. Detachable drill bits were used in the quarry.

"A quarter of a mile down the road the company has installed a verticle, wood-fired kiln having a capacity of 12 to 15 tons per 24 hours. The operators also supplied agricultural limestone. The whole plant has been shut down for several months.

"Analysis of a large chip sample (U.C.E.D. No. 89) gave:

SiO <sub>2</sub> .....	6.27	CaO.....	52.00
Al <sub>2</sub> O <sub>3</sub> .....	0.59	MgO.....	0.23
Fe <sub>2</sub> O <sub>3</sub> .....)		Ignition Loss	40.67
FeO.....)	0.36	Total.....	100.12
		CaCO <sub>3</sub>	92.67% "

Early in the history of the quarry, a Keystone kiln was built

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a mile ~~or so~~ southeast of Gold Hill and limestone was hauled <sup>over a</sup> ~~to the~~  
~~kiln.~~ The kiln still stands. A railroad spur from the Southern  
Pacific Railroad near Gold Hill, ~~was built to the kiln.~~ Use of this  
kiln was abandoned when a ~~kiln~~ <sup>was built</sup> at the quarry site.

The property has been inactive for several years. ~~Commercial~~  
~~limestone has been removed from the quarries and it is no longer~~  
~~economical to work the deposits.~~

Informant: RCT Feb. 24, 1943.

References: 1/ Hodge (38: ) Northwest Limestones.  
Wells (40) Grants Pass geologic map, deposit # 43

4/4/41

GOLD) LIMESTONE PLACER CLAIM  
(  
HILL)

This Claim contains 160 acres and is held by doing the annual assessment work of \$100 on or before the 30th day of June.

It is located in the  $NE\frac{1}{4}$ ,  $SE\frac{1}{4}$ ,  $SW\frac{1}{4}$  &  $E\frac{1}{2}NW\frac{1}{4}$  of the  $SE\frac{1}{4}$  of Section Two (2) and  $W\frac{1}{2}SW\frac{1}{4}$  of  $SW\frac{1}{4}$  of Sec one (1), Twp 37 south, Range three (3) West of Willamette Meridian Southerly from Gold Hill, Jackson County, Oregon.

The Claim is easily accessible. There is a hardsurfaced or macadam road to the Claim, and road parallels the Claim on the west side. The distance from Gold Hill is  $4\frac{1}{2}$  miles. The first ledge of limestone on the Claim is 1000 feet easterly from the road, up a 25% grade. The big ledge is on the same 25% grade, 1200 feet above the first ledge. It was the intention to build a tram road down this 25% grade. A regular truck road is the latest idea, and the grade should be built on a 10% incline, so as to load trucks at the quarry and take the loads through to the Railroad cars. Round trips of less than 10 miles.

The lower ledge is 20 feet wide, 30 feet depth is opened and the ledge is over 600 feet long on the top. This shows 20,000 tons, figuring on about 12 cu ft to the ton. The upper ledge is 110 feet wide on the surface and about 600 feet long. If opened up 30 feet in dept one has 5 times the quantity of the lower ledge so one can safely figure on 150,000 tons. There is scattering limestone on the ground for 400 feet above the ledge, and it may be that it extends to the property on the south which has outcroppings. Diamond drilling would prove whether there a half million tons or more.

Several tests have been made but analysis shows 98.6% calcium Carbonate contents. The color is grey, the rock is hard and polishes like marble. Burned lime from Kanes Creek has been popular for fifty years or more;

I believe that Oregon at the present time ships all its Lime from outside States. Capital should be interested in this industry. 40,000 tons of agricultural limestone for the sour soils of Willamette, Umpqua and Rogue River Valley and the Coast is needed. 200 cars of raw lump limestone is used by the paper mills of Oregon. The Chemical Industry uses lots of limestone and this pure.

The freight rates to Portland on limestone is \$2.35 per ton in 96,000 lb car lots. It is the same from Marble Mountain near Grants Pass, also from Lime Oregon on the Union Pacific. Compared with Washington rates we find from Roche Harbor the rate is about \$3.60, from Northport, Wash. \$3.60 and from Evans Wash. \$3.60 per ton. The freight rates are as good at Gold Hill as elsewhere. If a quarry is located on the R. R. mainline, it may have some advantage.

The owners of this property would like to make quick disposal of this property, as they are unable to operate it. It can be had real reasonable if cash is offered. For any details please ask what you want to know.

John A Baxter  
Walla Walla Wash.

RECORD IDENTIFICATION

RECORD NO..... W061052  
RECORD TYPE..... XIN  
COUNTRY/ORGANIZATION. USGS  
MAP CODE NO. OF REC..

REPORTER

NAME..... JOHNSON, MAUREEN G.  
UPDATED..... 81 01  
BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... *L* LIVELY LIMESTONE MINE  
SYNONYM NAME..... HUGHES GROUP

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 PRDV..... 13 KLAMATH MOUNTAINS  
LAND CLASSIFICATION..... 01

QUAD SCALE            QUAD NO OR NAME  
1: 62500            GOLD HILL

LATITUDE            LONGITUDE  
42-22-56N            123-01-13W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
4691993.8            498319.8            +10

TWP..... 37S  
RANGE..... 03W  
SECTION.. 11  
MERIDIAN. WILLAMETTE

COMMODITY INFORMATION

COMMODITIES PRESENT..... LST

PRODUCER(PAST OR PRESENT):  
MAJOR PRODUCTS.. LST

STATUS OF EXPLOR. OR DEV. 4

EXPLOR. AND DEVELOP. COMMENTS:  
DEPOSIT MINED OUT.

DESCRIPTION OF DEPOSIT  
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA  
SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):  
QUARRY, TUNNEL 200

PRODUCTION

YES  
SMALL PRODUCTION  
23 LST, EST            SOME            PRE 1938            LIMESTONE (93 CAC03)

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM TRI

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: APPLIGATE GROUP  
AGE: PERM-TRI

GENERAL REFERENCES

- 1) MINERAL AND WATER RESOURCES OF OREGON; 1968, ODGMI BULL 64, P 251
- 2) OREGON METAL MINES HANDBOOK, 1943, ODGMI BULL 14-C, VOL 2, SEC 2, P 86