

PACIFIC PLACER CO.

Mormon Basin District

Malheur Co.

Owner & Operator: George F. Lund and L. H. Beaver

Area: The Pacific Placer Company has about 1500 acres under lease from various land owners. Some of the land owners and their holdings are as follows:

Murray Norton	200 acres
E. A. Fields	160 acres
Boswell	105 acres
Joseph Copeland and Alfred Green	20.81 acres

This ground is to be worked by the "doodle bug". There is an additional 800 acres under lease that is potential dredge ground.

Location: The Pacific Placer Co. is located on Basin Creek on the Mormon Basin-Brogen road about 10 miles from Mormon Basin. It is in T. 13 N. and T. 14 S., R. 42 E. W. 1.

History: The land under lease by the Pacific Placer Co. has been worked on a small scale by one or two men intermittently for a number of years. This is the first operation of any size or that has moved any appreciable quantity.

Development: The ground, about 400 acres, to be worked by the doodle bug has been thoroughly prospected by shafts and by drilling.

Water rights: The company has the water rights on Basin Creek. This supplies enough water to operate most of the day by using return water from the sluices.

Geology: Elevation about 4000 feet. Gentle rolling hills covered with sage brush. The bed rock is a soft clay which varies in depth from 1 to 50 feet, and averages 10 feet. The gravel is bedded and varies in size from a fraction of an inch to 10 inches. Ninety percent of the gravel is minus 4 inches. Very little clay is found in the gravel. The gravel averages 40 cents per yard.

Equipment:  
One-----20 cu. yd. Carryall scraper  
One-----15 cu. yd. Carryall scraper  
One-----16 L'aurneau ripper  
One-----85 HP Weisel Caterpillar  
One-----95 HP Weisel Caterpillar with bull dozer

The washing plant consists of a three inch hydraulic giant, a 36" x 60" screens vibrating screen with 1" openings, a 24" belt stacker, a pump to furnish water to the giant, and a 24" x 40' sluice box.

**Description of Operation:**

The ground is loosened with the Le Tourneau ripper and loaded into a carryall scraper, which is drawn by a caterpillar. While loading, the caterpillar with the bull dozer serves as a pusher. After loading, the carryall carries its load and dumps it over an 8" grizzly into a 20 cu. yd. gravel bin. The gravel is washed from the bin by means of a 3" hydraulic giant over a 1" vibrating grizzly. The under size goes to the sluice box and over size to the stacker. Mercury is used in the sluice box.

The operation is continuous 24 hours per day, when water permits. At present there is a water shortage and the plant operates about 23 hours. About 2500 yards of gravel are washed per 24 hours.

**Remarks:**

This company has a very efficient operation. They have prospected their ground and know what they want to do. They appear to be making money.

**Informant:**

George F. Lund August 29, 1940

Hugh K. Lancaster  
Field Engineer

*Letter from HKL 10/6/41 - Company written  
since last fall due to  
difficulties*

*Pacific Glass Co see Basin Creek*

*Ball*

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

13+14 S 42 E  
T R S

PUBLISHED REFERENCES

*Melchior*..... COUNTY  
*Warren Basin*..... AREA  
*4000*..... ELEVATION  
..... ROAD OR HIGHWAY  
..... DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) .....

Address .....

OPERATOR .....

Name of claims	Area	Pat.	Unpat.

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY