

Ferris + Marchbank Placers

gls

6/46

NAME OLD NAMES PRINCIPAL ORE MINOR MINERALS

13S

31E

n John Day River

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R

S

PUBLISHED REFERENCES

Logan Bull 1463

Grant
Camp

COUNTY

AREA

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

FERRIS & BARCHBANK DRAGLINE GOLD DREDGE
near John Day , Oregon.

Main office--San Francisco, Calif.

Property consists of 200 acres from 120 to 800 feet wide extending along the John Day River from a point 1-1/2 miles below John Day to 6 miles below the town. Elevations are between 3200 and 3300 feet above sea level.

Operations started in June 1935. Exploration work consisted of between 90 and 100 shafts. They have a 40' x 60' steel hull, 6' x 35' revolving screen. Their bucket is a 4-yard Page bucket. Water is pumped by means of a diesel engine. They use water from the river and that coming from above "bed-rock", and try to have 150 miners inches of water to keep the pond clean. They work the year round even in freezing weather, the coldest to date being 35 degrees above zero.

FERRIS & MARCHBANK DRAGLINE GOLD DREDGE (cont'd)
(John Day, Ore.)

(2)

They report handling 5,000 to 6,000 cubic yards a day. Their bed rock is a false bottom of sticky clay. They get a little platinum and silver as well as gold. The gravel is medium sized and not much clay is handled, though most of the gold has been found close to the false bed-rock. It costs about 8 cents a yard to operate but they have been very successful, largely because of firstclass equipment and experienced miners. Last year over 2,000,600 yards were treated and 12,584.57 fine oz. of bullion shipped, valued at about \$400,000. Their total production is 20,534 fine oz. since starting operations, and this is valued at \$715,000. Last year 40-50 acres were mined. The gold comes originally from Canyon Creek and the creek above Canyon.

For particulars to be included in catalogue write to their San Francisco office.

4/26/38

PLACER SUMMARY

1. Present name of property Ferris and Marchbank Placers (Dragline Boat)
Operating company (or individual) Ferris and Marchbank Placers
Address John Day County Grant
Location 4 miles below John Day on John Day River J. H. Ferris } Partners
Area of holdings 335 acres along river. J. W. Marchbank } San Francisco
John B. Smith, Superintendent
F. B. Carothers, Accountant
 2. History of property - past and recent:
Operations begun June, 1935.
Shut down several months in 1937 for repairs.
 3. History of production - yardage moved and bullion shipped:
Daily average yardage moved: 6000 to 6500 yards.
 4. Development - acres mined, exploration of drilling, shafts, cuts:
157 acres mined. Entire area explored with prospect shafts spaced 100 feet apart in lateral lines 100 feet apart. Operations proved test results within $\frac{1}{2}$ ¢ (?).
 5. Water rights - number of ditches, length, priorities, water allowed by law, amount actually used (average), length of mining season, av. date begin mining in Fall, av. date mining ends in Spring, etc.:
Water used: 5000 gallons/minute from Byran-Jackson 10" pump. Mine all year around.
 6. Geology and General Description: - Elevation above sea, gulch or flat operation, topography, character of bedrock, kinds of country rock, nature of gravel, nature of gold, amount of clay, and boulders, nature of gold, source of gold, winter snow conditions, etc.:
Flat operation. Bedrock is false--blue clay (6' to 10' deep). Boulders only along shore lines. No tests made below blue clay although gravel is known to be present. Dig about 1' of blue clay.
 7. Equipment - pipe, giants, etc. Buchyrus-Monihan diesel-electric dragline with 4 yard bucket. Walker type. Floating wash plant. One 10B Buchyrus shovel. 5 electric portable welders. Water distillation plant. Caterpillar. One Keystone drill.
 8. Remarks - economics: High or low cost, principal drawbacks, reasons for success or failure, apparent life of operation based on quantity of gravel, etc.
Wash plant has 25' x 32' sluicing area.
Testing at present with impact-amalgamator revolving pan. Results indefinite yet.
175 acres still to be mined. Average depth equal to 12'.
- Costs: (Confidential)
Stripping--25%
Total cost including depreciation--8¢/yard
Ground average--12¢ to 18¢/yard.

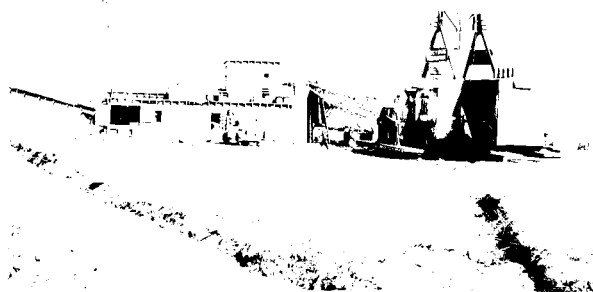
It seems to me to be a close margin proposition. Shut-downs are expensive; and if they have many (as they have had in past), I cannot see the percentage of profit.

Mess

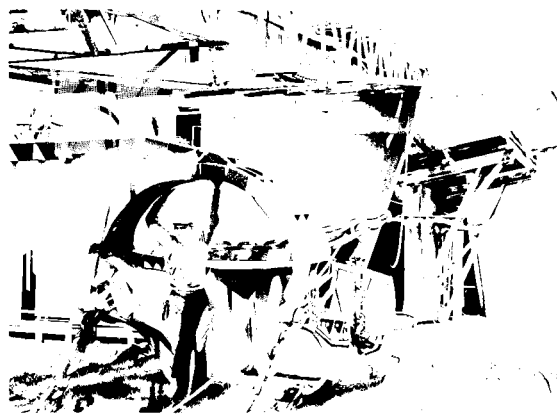
(OVER)

Albert V. Quine
Albert V. Quine, Mining Geologist

*Ferris - Marchbank Placers
John Day, Oregon*



*View of boat and
"walker" dragline*



*View showing size of
4 yard bucket*

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DEPARTMENT OF GEOLOGY
& GENERAL INDS.

FERRIS & MARCHBANK (Placer)

Canyon District

Operators: Ferris and Marchbank Placers, John Day, Oregon. J. H. Ferris and J. W. Marchbank, Daly City, California, are operating as a partnership with Ferris as general manager; John B. Smith, superintendent; T. B. Carothers, purchasing agent.

Location: 4 miles below John Day on John Day River.

Area: 335 acres along river, from 120 to 800 feet wide.

History: Operations begun June, 1935. Shut down several months in 1937 for repairs. Daily average yardage moved: 6000 to 6500 yards.

Equipment: Bucyrus-Monihan diesel-electric dragline with 4 yard bucket. Walker type. Floating wash plant. One 10B Bucyrus shovel. 5 electric portable welders. Water distillation plant. Caterpillar. One keystone drill. Dragline--250h.; Diesel-Electric (Fairbanks Morse), 5 cylinders. Wash plant--280 h.; Straight Diesel (Fairbanks Morse, 8 cylinders). Four buckets (119 cu. ft. capacity) kept on hand. Teeth are changed every 4 hours. Built up with haschrome-manganal rods. Requires 7-10 minutes for change. Twenty-eight men crew. Three shifts with five operators per shift. Balance in shop and on surface. ??

Development: 157 acres mined. Entire area explored with prospect shafts spaced 100 feet apart in lateral lines 100 feet apart. Operations have proved test results within $\frac{1}{8}\%$. Water used: 5000 gals. per minute from Byron-Jackson 10" pump. Mine all year around.

Geology: Flat operation. Bedrock is false--blue clay (6' to 10' deep), most gold near it. Boulders only along shore lines. No test made below blue clay, although gravel is known to be present. Dig about 1' of blue clay. Gold comes originally from Canyon Creek.

Remarks: Wash plant has 25' x 32' sluicing area. Testing at present with impact-amalgamator revolving pan. Results indefinite yet. 175 acres still to be mined. Average depth equal to 12'.

Informant: A. V. Quine (4/26/38)