CONFIDENTIAL

gold Beach Area
Curry Co

PARKER ELECTROMAGNETIC MACHINE

It has been reported that Mr. Hugh M. Snead of Shreveport, Louisiana, has bought a one-half interest in the Parker Methods, Inc., and has been promoting the financial end of the operation by selling stock in the Magnetic Gold Mining Co. Inc.

The details of the corporate set-up are unknown to the writer. In order to sell stock in the enterprise, Mr. Snead has represented that the present operation will be a financial success. Barring a near-miracle it does not seem to the writer that there is even a small chance of profitable operation at the present project; moreover, as stated above, Mr. Parker is concerned with theoretical considerations and not present commercial aspects.

The interesting feature of the operation is that the electromagnet is picking up an impure black sand concentrate containing 12.2% Cr_2O_3 (statement as to Cr_2O_3 content to be verified). This being true, it is possible that something of economic interest may come of the experiment.

Now building new machine To "jig" out values.
Aug. 42 #sa

PARKER ELECTROMAGNETIC MACHINE PROJECT Lobster Creek Area

Locality visited this date. Local reports indicate that there has been no work done there for the past month. All machinery was removed except the cable used with the drag-line and the scraper bucket. There is a wreck of some sort of a gasoline engine.

There is a sizeable trench on the northeast side of Euchre Creek, where it parallels the ocean behind a spit before it empties into the ocean. The trench must be about 50 ft. long and 12 ft. deep. Apparently the set-up as previously mentioned of drag-lining the creek bed was abandoned, and a trench started parallel to the creek and some 100 feet away.

Apparently, FINIS may be written to this project.

RCT 5/22/41

September 1, 1942 F.W.L

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

OREGON METALS COMPANY (chrome sands) Lobster Creek Area
see also Parker Electromagnetic Machine Project.

Operator: Joseph E. Parker, Gold Beach, Oregon.

Location: W½ sec. 8, T. 35 S., R. 15 W., at the mouth of Euchre Creek.

History: See Parker Electromagnetic Machine Project.

Development: A drag line is being installed to deliver beach sands to a large box-like flume. The sand enters the head box where it is trapped by a baffle, and raked by a sort of harrow. This is supposed to concentrate the black sands at the bottom. The baffle is removed and water is added to the flume. The water is given a reciprocal motion by raising and lowering a heavy box at the lower end. This motion simulates the waves on a beach. The lighter grains are washed off and the concentrate is shoveled out and dried. The electromagnetic apparatus removes the magnetic portion, leaving the chrome sand.

Informant: Ray C. Treasher, August 21, 1942.

See C.F.

Name: Parker Electromagnetic Machine Project Gold Beach Area.

Ownership: Parker Methods, Inc., Gold Beach, Oregon or P.O.Box 1179, Shreveport, Louisiana (lessee)

Location: North end of Ophir Beach at the mouth of Euchre Creek in W½ sec. 8, T. 35 S., R. 15 14 W. The operation is reached from U. S. Highway by turning west through a gate of a private road just north of the Ophir School. The road is about one-quarter mile long and leads to the beach.

Description of Operation: The underlying theory of the project is that in streams draining auriferous regions, the transportation of gold and other valuable minerals is a continuing process, and that where topographical conditions are favorable, methods of excavation and recovery may be used according to a plan devised by Joseph E. Parker.

In the beds of such streams, an excavation would be made to bedrock which would serve as a catch basin for the heavier minerals, the lighter products being conveyed on over the excavation.

At Ophir Beach, at the mouth of Euchre Creek, a diesel engine scraper hoist set up on the east side of the stream, with a dead man set on the opposite side, operates a rake scraper so that material excavated from the stream is dumped into a sluice on the west side of the stream.

The attempt is being made to reach bedrock at this point. The latest report is that the lowest point of the excavation has now reached a point 24 feet below the surface of the stream, and that probably bedrock is close. Mr. Parker reports (September 14, 1940) that pannings at this depth show greatly increased values in free gold. Below a depth of 18 feet, difficulty has been had with boulders. At times, blasting has been done. It seems likely that the sides of the excavation are now at such an angle that slides will continually occur. Naturally, any freshets in the stream, severe winter storms, or very high tides will probably fill the excavation completely. Mr. Parker stated that this present operation was in the nature of an experiment, and that his main object in doing the work at this point was to prove that bedrock could be reached.

As an adjunct to the plan, Mr. Parker has devised an electromagnetic machine, the operating mechanism of which is water tight, and the machine may be used under water. Thus, in the course of excavating in the bed of a stream, the machine could be dragged through the excavation with the scraper cable, and is designed to pick up whatever material is attracted to the electromagnets. A Ford engine and electric generator are enclosed in a water-tight steel box set on iron sled runners. At each of the four corners of the sled inside the runners are cylindrical magnets which are energized through cables from the generator. Operating push buttons on the outside of the box permit outside control of the engine. Vertical pipes are provided for exhaust and intake of the engine at the desired depth under water.

At the present time, the electromagnetic machine is being dragged over the surface of the beach by means of a tractor and is picking up black sand at the rate of something over a ton an hour. The material picked up is said to assay 12.2 Cr_2O_3.

Samples were taken of the various products of the operation. Results have not yet been received.

Informant: F. W. Libbey, Mining Engineer
August 29, 1940

See also C.F.

State Dept. of Geology & Min. Industries

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CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO..... M061358
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... 036
MAP CODE NO. OF REC..

REPORTER
NAME..... JOHNSON, MAUREEN G.
DATE..... 76 05
UPDATED..... 78 11
BY..... BRADLEY, R.; WALKER, G. W.

NAME AND LOCATION
DEPOSIT NAME..... PARKER ELECTROMAGNETIC MACHINE PROJECT
SYNONYM NAME..... OPHIR

MINING DISTRICT/AREA/SUBDIST. LOBSTER CREEK AREA

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

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

COUNTY..... CURRY

QUAD SCALE	QUAD NO OR NAME
1: 62500	PORT ORFORD

LATITUDE	LONGITUDE
42-33-45N	124-23-11W

UTM NORTHING	UTM EASTING	UTM ZONE NO
4712950.0	386200.0	+10

TWP..... 35S
RANGE.... 15W
SECTION.. 08

POSITION FROM NEAREST PROMINENT LOCALITY: 14 MILES SOUTH OF PORT ORFORD

COMMODITY INFORMATION
COMMODITIES PRESENT..... AU PT

PRODUCER(PAST OR PRESENT):
MAJOR PRODUCTS.. AU
MINOR PRODUCTS.. PT

ORE MATERIALS (MINERALS,ROCKS,ETC.):
CHROMITE; MAGNETITE

MAIN ORE MINERALS:
CHROMITE

MINOR ORE MINERALS:
MAGNETITE

ANALYTICAL DATA(GENERAL)
$378.26/TON AU; $1022.10/TON PT FROM 2.5 LBS/TON CONC? (RECALCULATED AT $20/OZ & $30/OZ RESP. TO 19 OZ/TON AU & 34OZ/TON PT PER TON OF CONC.) = .02 OZ AU/TON & .04 OZ PT/TON.

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 4
PRESENT/LAST OWNER..... PARKER METHODS, INC.

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
PLACER
FORM/SHAPE OF DEPOSIT:

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

PRODUCTION
YES
SMALL PRODUCTION

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

	ITEM	ACC	AMOUNT	THOUS.UNITS	YEAR	GRADE,REMARKS
1	AU					.02 OZ AU TON
2	PT					.04 OZ PT TON

GENERAL COMMENTS
PARKER ELECTROMAGNETIC MACHINE PROJECT WAS A 1940 TEST FOR EXCAVATING & CONCENTRATING UNDER WATER

GENERAL REFERENCES
1) OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES, 1940, OREGON METAL MINES HANDBOOK--COOS, CURRY, AND DOUGL COUNTIES: OREGON DEPT. GEOLOGY AND MINERAL INDUSTRIES BULL. 14-C, V. 1, 133 P.
2) DAY, D.T. AND RICHARDS, R.H., 1906, USEFUL MINERALS IN THE BLACK SANDS OF THE PACIFIC SLOPE: MINERAL RESOURCES UNITED STATES FOR CALENDER YEAR 1905, P. 1210-1211