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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LITTLE TREASURE PROPERTY

ALTERNATE NAMES:

MELLOR CLAIMS
BIG TREASURE

PINAL COUNTY MILS NUMBER: 374A

LOCATION: TOWNSHIP 4 S RANGE 16 E SECTION 35 QUARTER SE
LATITUDE: N 33DEG 02MIN 06SEC LONGITUDE: W 110DEG 40MIN 34SEC
TOPO MAP NAME: CHRISTMAS - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD SULFIDE
COPPER SULFIDE
GOLD

BIBLIOGRAPHY:

ADMMR LITTLE TREASURE FILE
ROSS, CLYDE P., ORE DEPOSIT OF THE SADDLE
MTN AND BANNER MINING DISTRICTS AZ., USGS
BULL. 771, 1925, P. 46
USAEC PRELIM. RECONN. REPORT, 172-488, 1953,
P. 34
ADMMR U FILE, PINAL AG5

LITTLE TREASURE

PINAL COUNTY

Group of Mpas - Sec. 6 - Brown Map Cabinet
USGS Bull. 771 p. 46

Pay Dirt March 24, 1967

Adjust Group (file)

UNITED STATES
DEPARTMENT OF THE INTERIOR

*****news release

GEOLOGICAL SURVEY

JOHNSON-343-5369

For Release NOVEMBER 26, 1966

CONTRACT AWARDED TO EXPLORE FOR SILVER IN PINAL COUNTY, AZ

The Geological Survey's Office of Minerals Exploration has contracted to assist the Big Treasure Mining and Development Company, a California Corporation, to explore for silver at its Little Treasure-Adjust group of claims in Pinal County, Arizona.

The property is to be explored by surface drilling for silver-bearing ore deposits occurring along veins in volcanic and sedimentary rocks. The total cost of the work is estimated at \$112,000, of which the Government participation is 75 percent, or \$84,000.

To encourage domestic minerals exploration, the Federal Government participates with private industry in the cost of exploration for 36 mineral commodities. Funds provided by the Government are repaid by a royalty on production.

Additional information and application forms for exploration assistance may be obtained from the following Geological Survey Offices:

OME- Region I, South 157 Howard Street, Spokane, Washington 99204;

OME- Region II, 345 Middlefield Road, Menlo Park, California 94025;

OME- Region II Bldg. 25, Federal Center, Denver, Colorado 80225

OME- Region IV, Room 11, Post Office Bldg., Knoxville, Tennessee 37902

The Office of Minerals Exploration, Geological Survey, Department of the Interior, Washington, D. C. 20242.

XXXX

87429

Retyped by Tina

Visited Mr. Jameson re Adjust-Little Treasure O.M.E. project. He said the Indian Agency had leased the claims to Ted Pederson and Associates, 746 E. 6th Street, Tucson. Spence Hansen had spent about \$80,000 in exploration, not knowing that the land comes under San Carlos Reservation jurisdiction.. Jameson cannot fight the case on account of lack of funds and Hansen wants nothing to do with the Indians.

FTJ WR 1/26/68

Interview with Joe Jameson re Adjust Claims He said Pederson and Garland were working claims occasionally. (FTJ WR 1/31/69).

INNER OFFICE MEMO

To- T.J.
From- G. I.

10-9-67

Mr. Ted Peterson of 746 E. Sixth Street, Tucson, Called to-day.

He is financing a silver mine (Silver Cross Claims 1 thru 4) in the Saddle Mountain district 4 miles S.E. of Christmas.
N.E

His Partner is Gordon Garland of Winkelman. They are working two shifts per day. 4 men in all, and are stock piling Silver Ore at the rate of 5 tons per man shift, or 20 TPD. The ore runs 20 oz in silver.

They are planning on building a smelter, or putting in a stamp mill. In either case the cost will be only \$1000.

I suggested that he talk to George Roseveare about the milling or smelting costs, that you probably knew the mine and Mr. Garland, and that if he had any more problems to get in touch with me.

Will talk with you about it next week.

RECEIVED

LITTLE TREASURE

PINAL COUNTY

The Geological Survey's office of Minerals Exploration has contracted to assist Big Treasure Mining and Development Co., a California Corporation, to explore for silver at its Little Treasure - Adjust Group of Claims in Pinal County, Arizona. The property is to be explored by surface drilling for silver-bearing ore deposits occurring along veins in volcanic and sedimentary rocks. The total cost of the work is estimated at 112,000 of which the government participation is 75% or \$84,000.

- - - Taken from Skillings Mining Review Dec. 3 1966 p30.

Big Treasure Mining and Development Co., Spent M. Hansen, V. P., 125 Sedgefield Court, Dublin, California. (Little Treasure) Taken from Dept of Interior List(1966)

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

Pedersen

1. Information from: Gordon Garland of Winkelman + Ted Peterson
Address: 746 - E Sixth St., Tucson
2. Mine: Silver Cross Claims 1-4 3. No. of Claims - Patented _____
(Little Treasure) Adjust Group Unpatented 4
4. Location: 4 mi SE of Winkelman
5. Sec _____ Tp _____ Range _____ 6. Mining District Saddle Mt. Pinal Co.
7. Owner: Gordon Garland - Winkelman & Ted Peterson (PEDERSEN)
8. Address: 746 - E Sixth St. Tucson
9. Operating Co.: _____
10. Address: _____
11. President: _____ 12. Gen. Mgr.: _____
13. Principal Metals: _____ 14. No. Employed: _____
15. Mill, Type & Capacity: _____
16. Present Operations: (a) Down (b) Assessment work (c) Exploration
(d) Production (e) Rate _____ tpd.
17. New Work Planned: _____

18. Misc. Notes: _____
Mr Garland said that The Big Treasure Mining & Develop-
ment Co. had jumped their claims, called Silver Cross.
Big Treasure had drilled 2 holes and done considerable
sampling and tunnel work. The true status of the claims
is not known, but it appears unlikely that the DME
would make a loan (\$9,000) without making sure
of the title to the property.

Date: Oct 24, 1967

F. T. Johnson
(Signature)

(Field Engineer)

Location: The Little Treasure Mine is in the SE $\frac{1}{4}$ Sec. 35, T4S, R16E., and the NE $\frac{1}{4}$ sec. 2, T5S, R16E. The property covers much of the northeast end of a mountain on the south side of Deer Creek and is about 9 miles by road from Winkelman and 3 miles by trail from Christmas station on the Arizona Eastern Railroad.

History: The claims were located by N. H. Mellor of Winkelman, about 1901 and have been controlled by him since then. He built the road from Dudleyville south of Winkelman past this property to the coal prospects in Reed Basin in 1904 at a cost of \$3,000 and has kept it in repair as far as his mine. A few carloads of ore have been shipped.

Property: The property comprises six unpatented claims. The principal workings are on the southeast side of the mountain, at an altitude of more than 2,700 feet. They consist of two tunnels roughly 240 and 150 feet long with a shaft about 55 feet deep connecting with the upper and shorter tunnel at its face. In the lower tunnel there is a winze and short crosscut. There are other small workings on the property, but recent work has been restricted to those described.

Character of the deposits: The country rock of the tunnels is a massive black basalt. This rock is doubtless of Cretaceous age and is thought to be of effusive origin. In the valley to the south a large dike of quartz-mica diorite which extends east from the Two Queens mine fingers out in a group of narrow dikes, of which the larger ones are shown somewhat diagrammatically on Plate 1.

The vein developed by the lower tunnel in the Little Treasure mine has an average strike of N 50° E., dips 55°-75° NW., and has a width of 30 to 40 inches of brecciated and altered rock between fairly definite walls of which the hanging wall is the more pronounced. The part of the vein that is thoroughly mineralized has a width of less than a foot. A small amount of sulphide is contained in the in the oxidized ore exposed at the mouth of the tunnel, and the proportion of sulphide increases until at the position of the winze there is almost no visible oxidation. Another vein exposed by the crosscut to the northwest strikes about N 70° E., dips nearly vertically, is 15 inches wide, and contains unoxidized sulphide ore.

The vein in the upper tunnel has an average strike of about N 75° E., with considerable variation the dip ranges from nearly vertical at the mouth of the tunnel to about 80° S. near the face. The width of vein breccia exposed is 3 to 4 feet: the walls are somewhat less well defined than those in the lower tunnel. The ore near the tunnel mouth and in the upper part of the shaft is oxidized, but at the bottom of the shaft there is some unoxidized sulphide. The vein structure is similar to that of the Big Rock vein and others of that type on the Saddle Mountain, Adjust, and neighboring properties. The hypogene minerals found are quartz, barite, calcite, galena, sphalerite, and pyrite. Oxidation was noted only near the mouths of the two tunnels and the upper part of the shaft, and even in these places it is far from complete. Specimens of ore from the lower part of the shaft and from the upper tunnel show some evidence of enrichment by descending water. There are small cavities lined with wire silver and black films on galena and sphalerite and black stringers through the gangue which resembles argentite, although the amount in the specimens collected is too small for conclusive tests. Some of the ore contains dark-red grains that are probably pyrargyrite.