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PRINTED: 04/29/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: OLD BOSE CLAIMS

ALTERNATE NAMES:  
BURSON

PINAL COUNTY MILS NUMBER: 567

LOCATION: TOWNSHIP 8 S RANGE 16 E SECTION 20 QUARTER C  
LATITUDE: N 32DEG 43MIN 25SEC LONGITUDE: W 110DEG 43MIN 42SEC  
TOPO MAP NAME: MAMMOTH - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:  
LEAD  
MANGANESE  
COPPER OXIDE

BIBLIOGRAPHY:  
ADMMR OLD BOSE CLAIMS FILE  
ADMMR U FILE PINAL PB 3

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine ' Old Bose' Claims

Date March 18, 1960

District Mammoth Mining District, Pinal Co.

Engineer Axel L. Johnson

Subject: Present Status. Information from Ardith Long.

References: Reports of Sept. 16, 1959 and July 11, 1958

Present Mining Activity Idle. Mr. Long reports that now work has been done on the property for the past 2 or 3 months, and also that he doubts the owners of the property will resume exploration work.

OLD BOSE' GROUP

The OLD BOSE' group of 30 unpatented claims has been purchased by the A. T. & L. Mineral Corporation of Houston, Texas. The property is located about 6 miles west of Mammoth, Arizona. A small crew is employed in preliminary work, consisting of stripping overburden with a bulldozer, trenching, road building, and sampling. About 10 feet of overburden cover the area being checked. The company proposes to diamond drill the holdings and explore the possibilities of an open-pit copper operation. No work is scheduled for the manganese deposits worked by the previous owner, Ardith Long. Tommy Thompson, President of A. T. & L., Mammoth, Arizona, is directing the exploration program.

Box 124, Mammoth A.T. & L. - 3-19-60

Taken from MINING WORLD, January, 1960, p 67.

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**DEPARTMENT OF MINERAL RESOURCES**  
**STATE OF ARIZONA**  
**FIELD ENGINEERS REPORT**

Mine ✓ Old Bose' Claims Date September 16, 1959  
District Mammoth Mining District, Pinal County Engineer Axel L. Johnson  
Subject: Field Engineers Report -- Information from Tommy Thompson

References: Report of July 11, 1958.

Location: Sec. 19 or 20, T. 8 S., R. 16 E. About 6 miles straight west from Old Mammoth by air line. About 13 miles from Old Mammoth by a very rough and steep road.

Number of Claims: 30 unpatented claims

Owners: ✓ A.T. & L. Mineral Corporation, Box 371, Mammoth, Arizona, and 413 Scanlon Building, Houston, Texas.

✓ Tommy Thompson, Pres., Box 371, Mammoth, Arizona.

✓ Leon Lusk, Secretary, 413 Scanlon Building, Houston, Texas.

✓ Read, Woods and Platt, Legal Representatives, Old Valley National Bank Bldg., Coolidge, Arizona.

These claims were purchased from Ardith Long, the previous owner, on July 19, 1959. A cash sale is reported.

Principal Minerals: ✓ Copper and manganese.

Present Mining Activity: Exploration work. 3 to 5 men working.

Ore Values: Mr. Thompson reports assays running from 3.07% to 10.19% copper.

Present Operations: The exploration work conducted at present consists of stripping of overburden with a bulldozer, long hole drilling, trenching, road building and sampling. Mr. Thompson reports about 10 ft. of overburden in the area being explored. No work is being done on the manganese deposits which were previously worked by Ardith Long. (see report July 11, 1958)

Proposed Plans: Mr. Thompson plans to diamond drill the property to explore the possibilities of open pit copper mining operations. He is interested in an OME loan on the proposed diamond drilling. Information on OME loans and application blanks were sent by our Department to Mr. Thompson as requested.

Sept. 11, 1958

Axel L. Johnson

Old Bose Claims:

Mammoth Dist., Pinal Co.

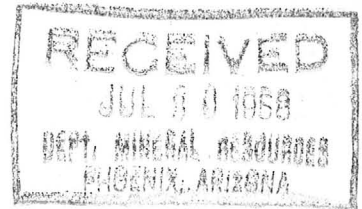
Information from L. J. Hamelitz

Present Status:

1 man (Ardith Long) doing ex-  
ploration work alone.

Mr. Long's 5 partners have gone  
back to Texas.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT



Mine Old Bose' Claims

Date July 11, 1958

District Mammoth Mining District, Pinal Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Ardith Long and Personal Visit.

Location About 6 miles straight west from old Mammoth by air line. About 13 miles from Old Mammoth by a very rough and steep road, suitable only for jeeps. Drive north about 1 1/2 miles on Hwy. # 77, and turn left just before coming to the bridge over the San Pedro River. Drive north on gravel road paralleling the railroad track for a distance of about 5 miles. Turn left, cross under the railroad track, then drive about 6 to 7 miles over a very rough road to the mining claims. Approx. Sec. 19 or 20 -- T 8 S -- R 16 E. (Near Signal Peak)

Number of ~~claims~~ Claims 31 unpatented claims. These were located on July 1, 1958, after it was determined by the locators that the previous locators of the claims had failed to do their annual assessment work.

<u>Owners</u>	Ardith Long, Box 371, Mammoth, Ariz.	-----	18	claims
	Vernon M. Johnson, same address	-----	3	"
	Carroll Johnson " "	-----	3	"
	Sam Smith " "	-----	2	"
	Chester L. Strange " "	-----	3	"
	Thomas Strange " "	-----	2	"

Principal Minerals Manganese and Copper

Present Mining Activity No mine production. Locators are at present doing the location work. This is done with hand steel and hand shoveling. There is no road up to the location shafts and materials and supplies have to be carried up by hand.

Geology & Mineralization (1) Narrow veins of manganese in a country rock resembling diorite or monzonite. Manganese ore is milling grade --- 20 to 35 % approx.  
(2) One vein containing low grade oxidized copper ore in the same kind of rock formation. This vein is about 8 ft. wide. Estimated ore value from 1 to 2 %. To mine same would require an underground operation.

Milling & Marketing Facilities Manganese ore would require milling.  
Copper ore would have to be shipped direct to smelter.

Proposed Plans Locators plan on developing the property, and mining the ore. They are building a fairly large shack on one of the claims, a combined bunk house and mess hall, which they plan on making their home.

General Remarks

(1) Field engineer advised locators that the manganese veins and fissures, which he saw, were too narrow and too far apart for profitable operations of the manganese ore. (Two veins, about 12 inches wide were noticed --- others were narrower) He advised, however, that it might be possible to find wider veins of manganese, by means of thorough and systematic exploration work.

(2) Field engineer also advised locators that the copper deposit appeared to be of too low grade for profitable operation, as it would have to be mined underground. He advised taking an accurate sample of the deposit and have it assayed, in order to have positive ~~proof~~ proof of its possibilities.

(3) As the locators did not appear to have any finances or financial backing, the field engineer explained the approximate cost of exploring and developing a mine to reach the production stage ---- mining equipment, roads, trucks, exploration costs, etc.