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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

S. P.

PRIMARY NAME: BLACK MULE GROUP

ALTERNATE NAMES:

LA PAZ COUNTY MILS NUMBER: 737

LOCATION: TOWNSHIP 6 N RANGE 17 W SECTION 30 QUARTER C LATITUDE: N 33DEG 49MIN 17SEC LONGITUDE: W 108DEG 04MIN 20SEC TOPO MAP NAME: BOUSE - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

IRON HEMATITE

BIBLIOGRAPHY:

HARRER, C.M., 1964, USBM IC 8236, RECONN. FE RESOURCES OF ARIZ., P 122 ADDITIONAL WORKINGS IN SEC. 31 ADMMR BLACK MULE GROUPS FILE

BLACK MULE GROUPS (E & W)

YUMA COUNTY BOUSE DIST.

The Century Mining Company, two miles southwest of Bouse, Arizona, is completing its manganese mill and expects to be milling very soon at the rate of 250 to 300 tons per shift, producing about 100 tons per day of concentrate. The plant consists of a 12 by 20 inch jaw crusher, 30 inch cone crusher, storage bins, screens, and heavy media plant, together with feeders, conveyors, and other equipment. A large part of the equipment was obtained from Mohave Mining and Milling Company of Wickenburg. The ore for the plant will come from the Black' Mule East group of claims, about five miles northeast of Bouse, and the Black' Mule West group, some six miles to the southwest. Jim' Hicks of Bouse is president of the corporation; Bill T. Turner, plant superintendent; and R. S. Woodruff, engineer. Principal stockholders in the corporation, organized in 1959, are said to be Texas men.

Taken from MINING WORLD, February, 1961, p 39.

Learned that the manganese mill of Century Mining Co. (Jim Hicks, Pres.) was idle but expected to start up March 1st to fill a concentrate committment with Kaiser on or before March 27th.

TRAVIS P. LANE - Weekly Report - 2-18-61

April 20 - Visited the <u>Century Mining Co.</u> mill at Bouse with Jim Hicks and a prospective shipper, Van Horn. The plant is still idle waiting on a contract with Kaiser.

TRAVIS P. LANE - Weekly Report - 4-24-61

The <u>Century manganese plant</u> is still idle and a start-up does not seem emminent. Several persons at Bouse spoke of <u>Anderson</u> showing them a contract signed by a Japanese group for delivery of 300,000 tons of iron ore.

TRAVIS P. LANE - Weekly Report 5-20-61

July 19, 1961 - Interviewed Tom 'Saunders, formerly Mill Supt. for Mohave Mining & Milling Co. and then for a short time metallurgical consultant for Harqua Hala, now he is retained by J. B. Williams, Pres. of Twentieth Century Manganese Co. (Hick's people). He says there is no activity at the Bouse Manganese Plant - still looking for a market.

TRAVIS P. LANE - Weekly Report - 7-22-61

Memo

October 14, 1960

BLACK MULE GROUPS E & W

Travis P. Lane

Visited the new manganese mill of Century Mining Company (Black Mule deposits) about 2 miles southwest of Bouse. It was expected that the wheels would be turning on a start-up run within the week. A large part of the equipment was obtained from Mohave Mining & Milling Co. The operators anticipate a milling rate of 250 to 300 tons per shift and a production of about 100 TPD of concentrate (under 30%).

The plant is quite substantial. The flow sheet is essentially as follows:

12" x 20" jaw crusher, screens, 30" cone crusher, 2 mill storage bins, screen (with minus 1/8" going to a storage pile), a Heavy Media plant; together with feeders, conveyors, etc. There are no jigs or tables or flot cells in the circuit. The operators are reticent about market outlets. The main product +1/8" $-1\frac{1}{2}$ " will probably go to Kaiser with minimum grade specification 26% Mn.

President of the company is Jim Hicks of Bouse. Plant Supt. is Billy T. Turner. Engineering Management is in the charge of R.S. Woodruff. The construction crew has consisted of 6 to 10 men and start-off crew (with operations at 1 shift per day) will be about the same.

See: MINING WORLD, August, 1960 - P 48

Visited the Century Mining Co. (Jim Hicks, Pres.) manganese plant near Bouse. The plant operated for a short time making about 3 carloads of concentrate. The company expects to resume in February on a firm contract from a steel company.

TRAVIS P. LANE - Weekly Report - 1-14-61

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA FIELD ENGINEERS REPORT

Mine	Black Mule Groups (E & W) Mn	Date	July 1 , 1 960
District	Bouse, Yuma, County	Engineer	Travis P. Lane

Subject: Visits of Oct. 17 & Nov. 17, 1959 and June 16, 1960.

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<u>Property:</u> The property consists of the Black Mule East group of claims some 5 miles northeast of Bouse and the Black Mule West group some 6 miles southwest of Bouse, and a millsite one mile southwest of Bouse; all unpatented.

Clearing of the millsite was begun and a 16" water well drilled in Oct. 1959 and construction of the mill was in progress at the time of the June 16, 1960 visit.

Owner: 'Jim Hicks, Bouse, Arizona

MINING WORLD - 12-57

Operator Century Mining Co., Bouse, Arizona

Jim Hicks, president, organized the corporation (Arizona) in the summer of 1959. The stockholders are a group of Texas people.

Black Mule Groups (East + West) (East - 5 miles NE & Bouse; Yuma County West - 6 miles SW of Boux)

reference: Arizona Dept. de Mineral Resources Black Mule Group (E+W) Yuma County (File)

Reconnaissance of Iron Resources in Arizona by C.M. Harrer Bureau of Mines Information Circular 8236 U.S. Dept. of the Interior 1964

present owner: Century Muning Co. of Bouse, AZ Jim Hicks, Pres. do of 1961 previous pwner: Jim Hicks of Bouse, Az

all of the claims are impatented

history of the mine:

The Century Mining Co. was organized by Jim Hicks in the semmer of 1959. Obtained mixing equipment from Mohave Mining and Milling Co. In January 1961. This plant operated for a Short time making about 3 carloads of concentrate. Throughout 1961 the contrary Mining Co was tale while awaiting a market contract on Nov. 1961 Storling Oil of Oklahuma The. acquired exclusive rights to a process for the production of high purity manganese dioxide for the lease of 350,000 these cong for see Manganese ore over a 5 year period. No Erst impo. Black Mule stoups (cont)

limmite geology: maganiferous hematite replaces fairezoic limetone

assay: 1961 by Bureau of Mines 21.4% Cu , 1.3% Mn, 0.8% titama 0.12% phosphorous , 0.22% sulfur, 43.6% silica