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The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 07-17-2012

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: PICACHO MILL

ALTERNATE NAMES:

PAPAGO MNG. & MLG. CO. MILL

PIMA COUNTY MILS NUMBER: 713

LOCATION: TOWNSHIP 16 S RANGE 4 E SECTION 18 QUARTER NW
LATITUDE: N 32DEG 03MIN 27SEC LONGITUDE: W 111DEG 56MIN 49SEC
TOPO MAP NAME: COMOBABI - 15 MIN

CURRENT STATUS: PAST PRODUCER

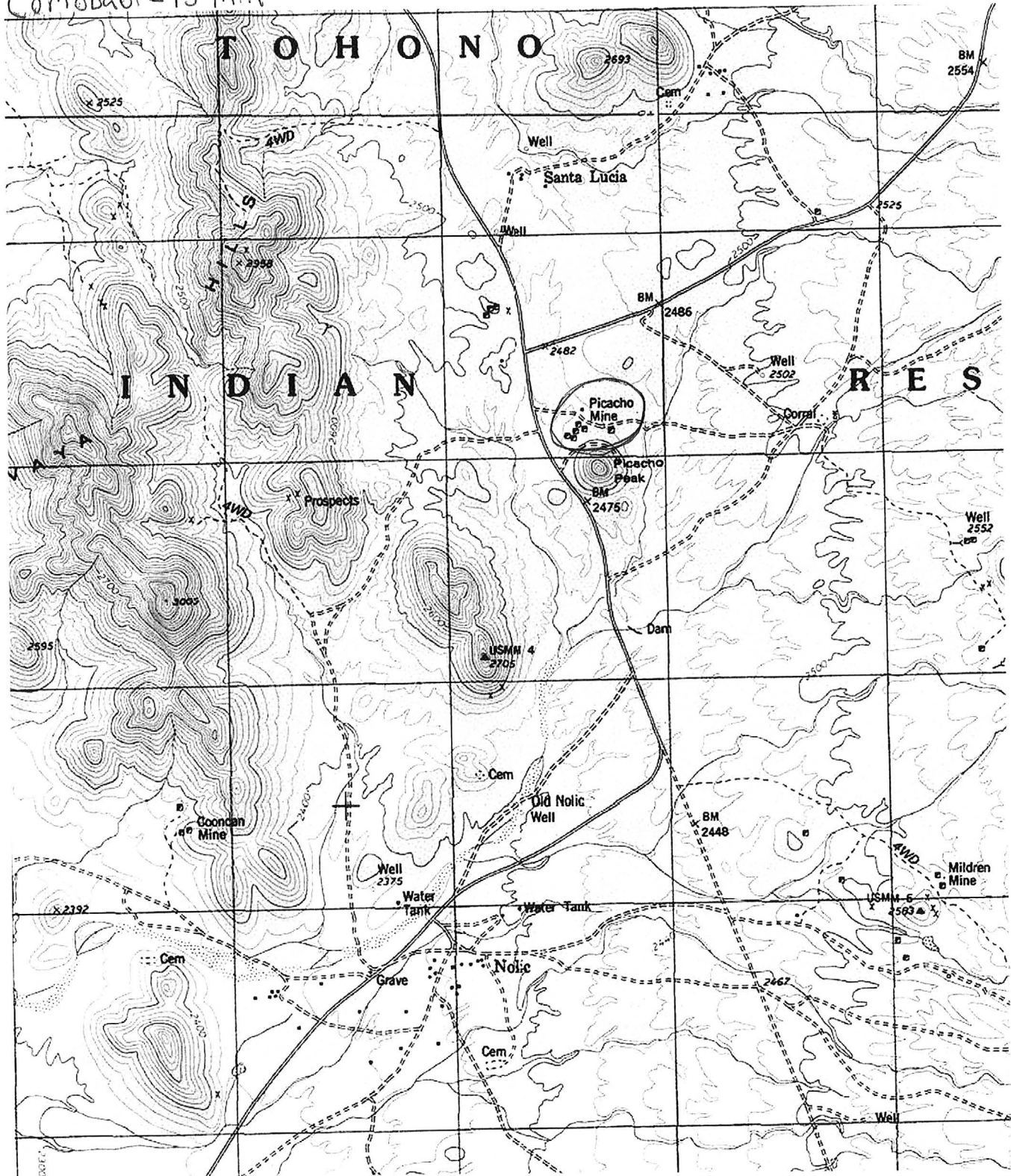
COMMODITY:

MILL TUNGSTEN

BIBLIOGRAPHY:

ADMMR PICACHO MILL FILE

Comobabi - 15 min



N 32° 03' 27" W 111° 56' 49"

Picacho Mill

T16S R4E Sec 18 NW 1/4

REPORT OF MILLS - SOUTHERN DISTRICT (file)

Axel L. Johnson

July 24, 1957

PICACHO MILL - Flotation

PIMA COUNTY
Cababi Dist.

Floyd R. Bekins, 301 Copo de Oro, Los Angeles 24, Calif.

Last operated by Jack Ballam, d/b/a. Papago Mining and Milling Co.,
Sells, Arizona, on custom tungsten ore - 1955 to March, 1956.

Closed since the spring of 1956 (Mar. 1956)

PAPAGO MINING & MILLING CO.

Brinton Brown &

Jack Ballam

Box 66, Sells, Ariz.

MILL: Papago Mining & Milling Co. Mill - Cababi Dist., Pima Co.
About 13 Mi. N of Sells.

OWNER: Floyd R. Bekins, 301 Copo de Oro, Los Angeles, Calif.

LESSEE & OPERATOR: Brinton Brown & Jack Ballam

8/5/54

MILL SUPT.: F. W. Clark, Box 91, Sells, Ariz.

6/18/55

F. W. Clark no longer mill Supt.

2/3/56

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Picacho Mill (See Papago Mining & Milling Co. mill)

Date Oct. 30, 1956

District Cababi District, Pima Co.

Engineer Axel L. Johnson

Subject: Present Status. Personal Visit and information from William Creswell, Caretaker.

Location About 1 1/4 miles north of Sells. Drive north from Sells on Highway # 86 for a distance of 8 1/2 miles. Turn right (east), and drive 5 1/2 miles to the mill.

Owner Floyd R. Bekins, 301 Copo de Oro, Los Angeles 24, Calif.

Present Status Mill is idle. Has been idle since about March, 1956. Prior to that time, it was leased and operated by Jack Ballam, d. b. a. Papago Mining and Milling Co., who was doing custom milling at a charge of ~~\$8.00 per ton~~ \$ 9.00 per ton. The last ore milled by Mr. Ballam came from the Big Banana Mine. This ore is now milled by the Cinderella Mining and Engineering Co. at their Cinderella mill, 5 1/2 miles east of Sells.

Mill Capacity 50 tons per 24 hr.

Mill Equipment One 18 ton coarse ore bin.
One 10" x 20" jaw crusher.
One 50 ton fine ore bin.
One 6" x 22" Hardinge Concical Ball mill.
10 mesh and 60 mesh screens.
Two- Plato Tables
Six Flotation Cells.

The six flotation cells have not been used for several years, and, no doubt, are in poor condition, as they have no shed or protection over them.
The two Tables have warped decks ~~are~~ and are in need of repairs.

Electric Power Diesel electric plant.

Water Facilities Well with 50 gal per minute capacity pump. 15,000 gal storage tanks. During my visit to the mill on Mar. 6, 1956, Mr. Ballam informed me that the mill had been forced to close down for a few days because the well was not producing enough water, and stated that they were planning on sinking the well deeper in order to get a larger water supply. Insufficient amount of water was probably the main reason for the permanent closing of the mill.

Terms of Sale or Lease Mr. William Creswell, Box 147, Sells, Ariz., the caretaker, residing near the mill, informs me that the owner, Floyd R. Bekins will lease or sell the mill. Mr. Creswell did not give any prices or terms, but stated that the terms would have to be negotiated direct with the owner.

References - See reports of "Papago Mining and Milling Co. Mill" under dates of Feb. 3, 1956, June 18, 1955, and Aug. 5, 1954 incl. flow sheet.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Papago Mining & Milling Co. Mill

Date Feb. 3, 1956

District Cababi Mining Dist., Pima Co.

Engineer Axel L. Johnson

Subject: Present Status. Personal Visit and Information from Jack Ballam, Manager.

Location About 13 miles north of Sells. Drive north from Sells on Highway 86 for about 8 miles. Turn right (east) and drive 5 1/2 miles to the mill.

Owner Floyd R. Bekins, 301 Copo de Oro, Los Angeles, A Calif.

Lessee and Operator Jack Ballam, Box 66, Sells, Ariz. d. b. a. Papago Mining and Milling Co. (Note: F. W. Clark no longer mill superintendent and no longer has any interest in the company.)

Minerals Milled The mill is operated for the purpose of milling tungsten ore by custom milling.

Number of Men Employed 2

Mill Capacity 50 tons per 24 hr. or about 17 tons per 8 hour shift.

Mill Equipment See my report of June 18, 1955.

Mill Operation The operators have been milling the scheelite ore from the Big Banana Mine at a milling charge of \$ 9.00 per ton, taking care of the full production from this mine. No other ores have been milled recently. About 17 tons per day, or about 85 tons of ore per week has been milled. The average value of the ore milled has run about 0.5 %. Mr. Ballam estimates a recovery of about 75 %, with the concentrates produced averaging about 45 % WO₃. The concentrates are reported to be stored at the Big Banana Mine, pending further treatment and upgrading, possibly by a mill on the coast.

Difficulties in Operation

(1) Mr. Ballam reported that the milling was rather difficult due to the presence of a large amount of clay in the ore.

(2) On my last visit to Sells on Mar. 6, it was reported that the mill had been forced to close for a few days due to the fact that the well did not produce a sufficient amount of water. It is planned to sink the well deeper.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Papago Mining & Milling Co. Mill Date June 18, 1955
District Cababi Mining Dist., Pima County Engineer Axel L. Johnson
Subject: Field Engineer's Report - personal visit and information from F. W. Clark,
Mill Supt.

Location. 10 mi. north of Sells. Go north from Sells on highway 86 for 8 miles, turn right and drive approximately 4 miles northeast to the mill.

Owner. Floyd R. Bekins, 301 Copo de Oro, Los Angeles, Calif.

Lessees and Operators. Jack Ballam, Box 66, Sells, Ariz., d. b. a. Papago Mining & Milling Co.
F. W. Clark, Box 91, Sells, Ariz. is the Mill Supt., with 15% interest.

Minerals Milled. The mill is operated for the purpose of milling tungsten ore by custom milling.

No. of Men Employed--2, Mr. Ballam and Mr. Clark, running one 14 hr. shift.

Mill Capacity--50 ton per 24 hrs.

Mill Equipment. The mill consists of one 18 ton coarse ore bin, a 10" x 20" jaw crusher, a 50 ton fine ore bin, a 6" x 22" Hardinge Conical Ball Mill, 10 mesh and 60 mesh screens, and two Plato tables. The six flotation cells, which were also installed a number of years ago, have been inactive for several years, and are not being used by the present operators.

Mill Operation. The operators have been milling the scheelite ore from the Big Banana open pit for the past 3 months. During this time approximately 1,000 tons of ore have been milled from this mine, and also about 96 tons from the Jezebel Mine. The operators report that the Big Banana ore is soft and easy milling, and estimate that they have been getting 75% recovery on this ore. The heads run an average of 0.71% WO_3 . The final concentrates are said to average 60% WO_3 and over, and are sold direct to the General Services Administration.

Milling Rates. \$10.00 per ton milling charge on the crude ore trucked to the mill.

Electric Power. Power obtained from diesel electric plant on the mill site.

Water Facilities. Well, with 50 gal. per min. capacity pump. 15,000 gal. storage tanks.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Papago Mining & Milling Co. Mill

Date Aug. 5, 1954.

District Cababi Mining Dist., Pima Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report.

Location 10 miles north of Sells. Go north from Sells on the old highway 86 grade for a distance of 10 miles. Turn right and go 1/4 mile east.

Owners Floyd R. Bekins, 301 Copo de Oro, Los Angeles, Calif.

Lessees and Operators Brinton Brown and Jack Ballam, Box 66, E Sells, Ariz.
d.b.a. as the Papago Mining and Milling Co., Box 66, E Sells, Ariz.

Minerals Milled Mill is operated for the purpose of milling tungsten ores, a mostly custom milling, with a possible small addition of tungsten ores to be mined by the company.

Number of Men Employed 2 men working at the mill ---the owners, Mr. Brown and Mr. Ballam.

Mill Capacity 50 ton per 24 hr.

Mill Equipment Mill consists of scales, 1-15 ton coarse ore bin, a 10' x 20' jaw crusher, a 50 ton fine ore bin, a 6' x 22' Conical Ball Mill, 10 mesh and 60 mesh screens, and 2 tables. Also 6 flotation cells, inactive now, will be started up very shortly. A roaster and a magnetic separator will also be installed in the next two or three weeks.

Mill Operation The operators, Mr. Brown and Mr. Ballam, have now been operating the mill since July 5th., operating the mill on day shift only at intermittent days when a supply of ore was available, and when the weather was favorable. During this time, only 100 tons have been milled on account of the bad rainy weather, the lightning striking the plant, lack of ore supplies and milling ~~and other~~ difficulties, which have had to be overcome. The tungsten ore milled have come from the Griffith Claims, operated by Lewis Walker, and Ralph & Bud Clark of Phoenix, Ariz. (See separate report of their mining operations.)

Milling Rates The operators will do tungsten custom ore milling at a price of \$10.00 per ton. They are looking for more tungsten custom ore to mill.

Purchase Rates Mill operators will buy tungsten concentrates of 55 % or better, paying \$58.00 per unit for same. They will also purchase lower grade concentrates on a price schedule to be determined later. They will purchase tungsten ores at a price that will be determined by the concentrating difficulties and the recoverability.

Electric Power Diesel Electric Plant on mill site.

Water Facilities Well, with 50 gal. per min. deep well pump. 15,000 gal. storage tanks.

Proposed Plans for Improvement Operators will start the 6 flotation units of the mill in about a week or two. The tailings from the fine table will be sent through the flotation cells to obtain additional recovery.

Operators will also install a magnetic separator in a week or two, this equipment is being sent by the mill owner, Mr. Bekins. Shortly after that, the operators plan on building a roaster, for roasting the sulphide ~~ores~~ concentrates making a magnetic iron ore, that can be removed by the magnetic separators.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

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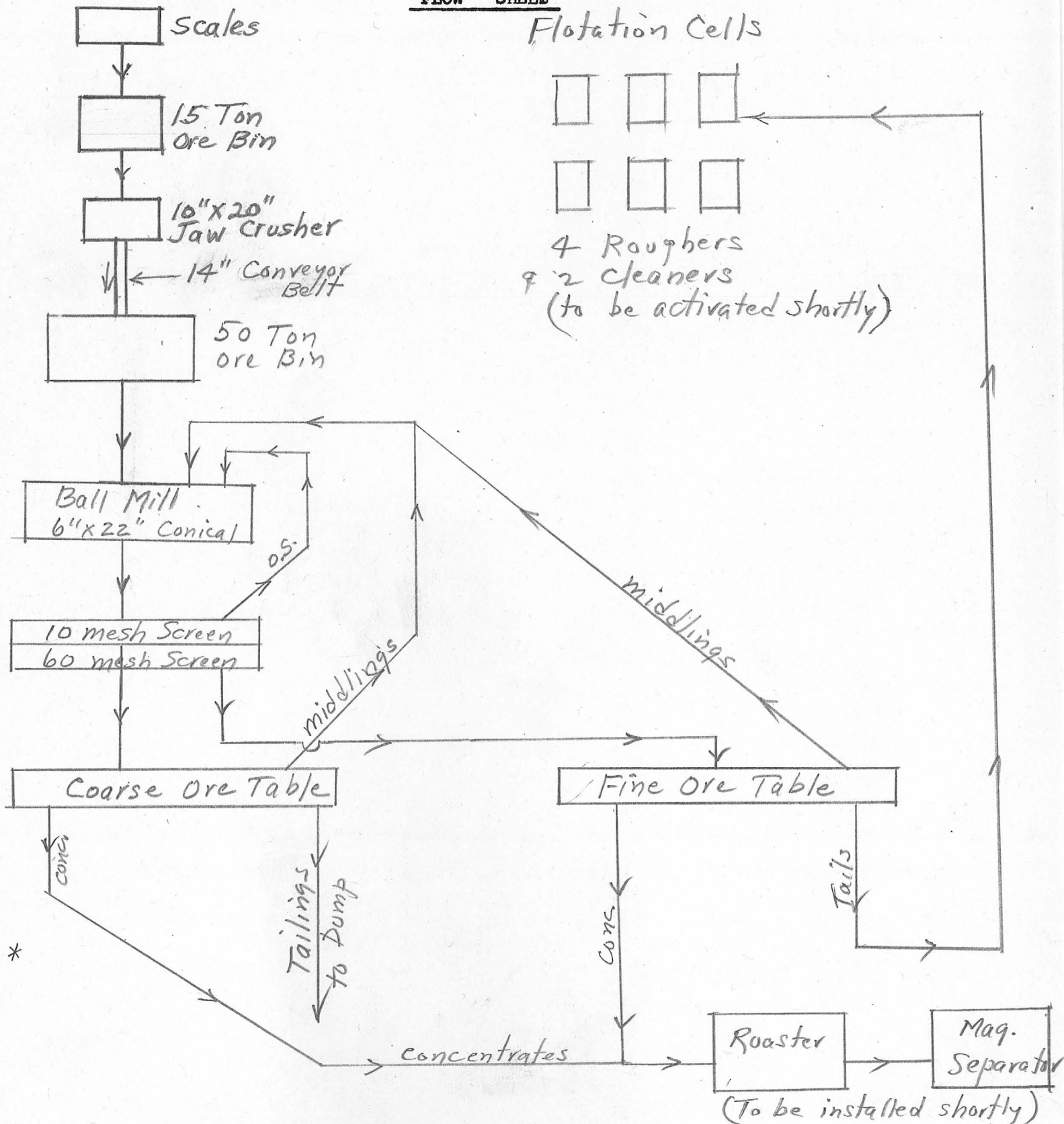
Date Aug. 5, 1954.

District Cababi Mining Dist., Pima Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report.

FLOW SHEET



DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

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District Cababi District, Pima Co. Engineer Axel L. Johnson
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Location About 14 miles north of Sells. Drive north from Sells on Highway # 86 for a distance of 8 1/2 miles. Turn right (east), and drive 5 1/2 miles to the mill.

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STATE OF ARIZONA
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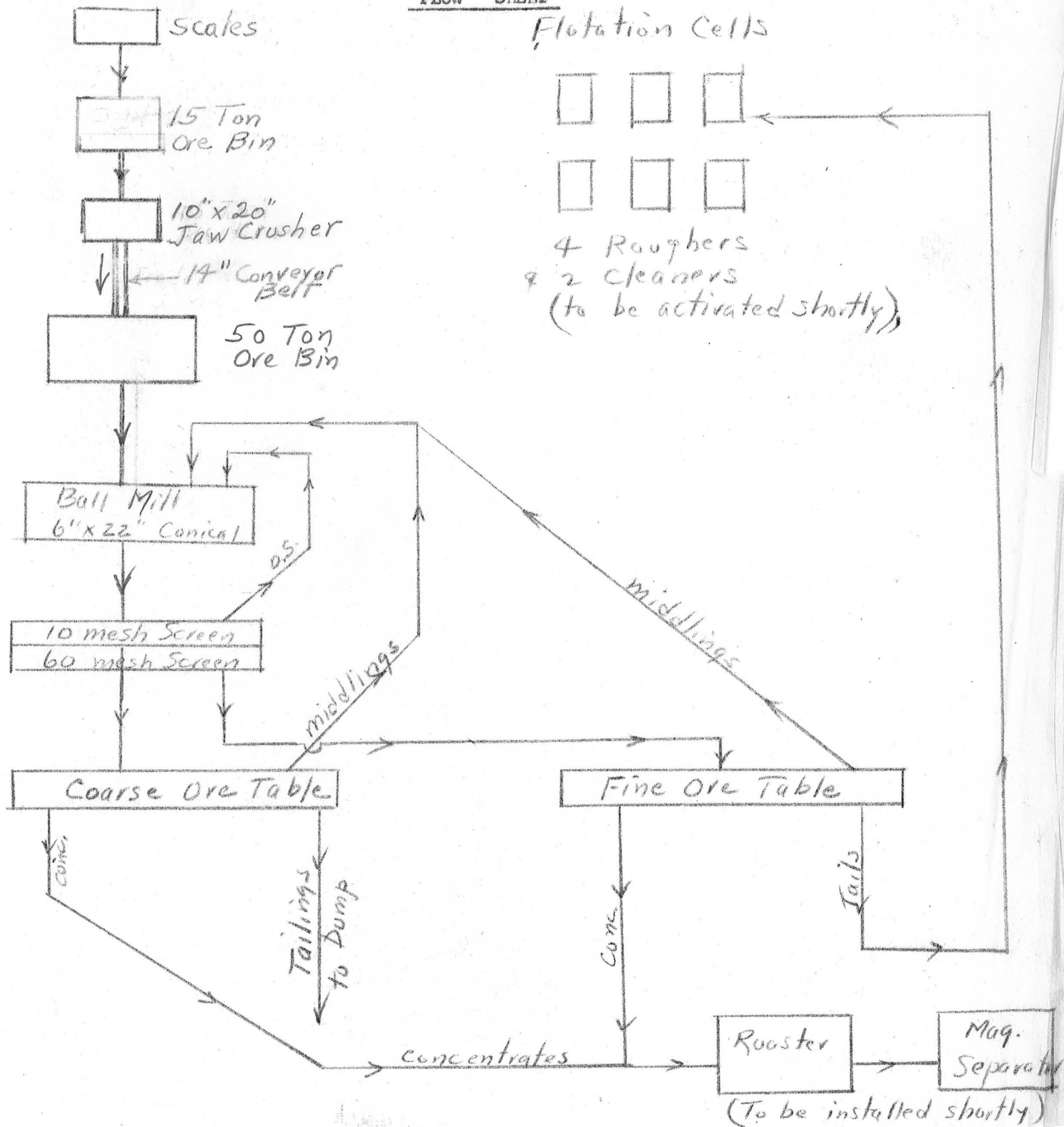
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Subject: Field Engineers Report.

FLOW SHEET



STATE OF ARIZONA

DEPARTMENT OF MINES AND MINERAL RESOURCES

Mineral Building, Fairgrounds, Phoenix, Arizona 85007 • (602) 255-3791

PICACHO MILL
PAPAGO MINING AND MILLING CO.

PIMA COUNTY
CABABI DIST.
T16S, R4E, Sec 9

MILS PICACHO MILL