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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: METATE MANGANESE LEASES

ALTERNATE NAMES:

NEAL'S MINE
TRIPLETS MINE

GRAHAM COUNTY MILS NUMBER: 14

LOCATION: TOWNSHIP 1 S RANGE 20 E SECTION 28 QUARTER C
LATITUDE: N 33DEG 18MIN 35SEC LONGITUDE: W 110DEG 18MIN 07SEC
TOPO MAP NAME: MOUNT TRIPLET - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

MANGANESE
SILICON QUARTZ
CALCIUM LIMESTONE
SILVER
COPPER

BIBLIOGRAPHY:

ADMMR METATE MANGANESE LEASE FILE
ACTIVE MINE LIST 9-58 / 2-59

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Metate Manganese Lease (Prospect)

Date March 21, 1958

District Apache Reservation, Graham County

Engineer *Lewis A. Smith*

Subject: Mine Visit

Location 10 miles east along new San Carlos-Safford highway and thence $2\frac{1}{2}$ miles to the north. (Sec. 18 T 1 S R 20 E)

Owner Metate Asbestos Corp., Box 111, Globe, Arizona (Jack Neal, Pres.)

The prospect was visited, with Jack Neal of Metate Asbestos Corp., which company has a lease on the area.

The deposit has been developed only slightly by means of trenches and cuts. There are two showings: one on Triplets Wash and the other one mile to the east of the first.

The triplets Wash deposit lies in the middle of a series of volcanic tuffs and amygdaloidal basalts, which rocks are probably of upper Pliocene to late Pleistocene in age. They post date the lake deposits to the south and west being conformable with them. The series is as follows:

1. Olovine Basalt (Top)
2. White Tuff
3. Red "malapais" amygdaloidal basalt
4. Coarse Red Tuff
5. Agglomerate with "frozen" conglomerate (Manganese horizon)
6. Black or red Malapais
7. Tuff with cinders and scoria (some ^alopili)
8. Lake sediments

These flows and exposure deposits are concentrically grouped around the Triplets Peaks, which are composed of rhyolite which is older. The basaltic flows appear to have been extruded from a circle of satellite craters around the older cores.

The "conglomerate" zone appears to be composed of malapais and manganese (Psilomeline) partly rounded pebbles in the Triplets Wash. The east exposure is more solid manganese, and, since development work is meager, little can now be said as to the bed's true thickness or as to reserves. Samples taken of this bed ran 34% Mn, 6-8% Silica up to 12% Silica, and some lime. There is a little Silver, and Copper, the latter running about 0.3%. Mohave Mining and Milling have expressed interest in the ore since they can blend the silica and copper down. The Triplets Wash conglomeritic material is a hand-sorting problem, which could be aided, at first, by establishing a working bench with a cat. Considerable roadwork ($2\frac{1}{2}$ miles) would be needed to open both deposits. Coarse screening would help.

Mr. Neal stated that he planned to follow the course outlined above and pay \$10.00 per ton of ore extracted from the "conglomerate." Since there are several Indians who desire to do this, he probably can begin extraction soon. The East Deposit is ready to go with some road work.

<u>MINE</u>	<u>No. Men Approx.</u>	<u>ORE</u>	<u>OPERATOR and ADDRESS</u>
<u>GILA COUNTY CONT'D</u>			
Chillito	3	Copper	Mike Guzman, Agent, Chillito Copper Co., Superior
Fourth of July	3	Asbestos	C.L.Moore, Phillips & Moore Mining Co., Young Route, Globe
Hoopes Quarry	11	Limestone	K.L.Hoopes, Box 1116, Miami
Inspiration Mine & Mill & International Smelter	1121 234	Copper	H.C.Weed, Gen Mgr, Inspiration Cons. Copper Co & International Smelting & Refining Co., Inspiration
Iron King	4	Copper	Gerald R. Hayes, Agent, D.W.Jaquays & Co., Box 328, Globe
Johnstone & Johnstone	3	Manganese	R.J.Johnstone, Apt 4, Dominion Hotel, Globe
Magnet North	14	Manganese	E.A.Peterson, Supt., Mohave Mining & Milling, Box 1162, Globe
Metate Mill	5	Asbestos	J.L.Neal, Gen Mgr, Metate Asbestos Co., Box 1506, Globe
Miami Mine & Mill	400	Copper	B.R.Coil, Gen Mgr., Miami Copper Co Box 100, Miami
Mo Con	2	Lead-silver	E.M.Conners, Agt., 909 E. Brill, Phoenix
Phillips Mine & Mill	6	Asbestos	Guy Phillips, Globe
Regal Mine & Mill	36	Asbestos	D.W.Jaquays, Mgr, D.W.Jaquays & Co., Box 328, Globe
Rock House Mine & Mill	21	Asbestos	Grady Gullledge, Supt., American Fibre Corp., Box 2980, Globe
Sleeping Beauty Mine & Mill	500	Copper	B.R.Coil, Gen Mgr, Copper Cities Mining Co., Box 100, Miami
Sloan Creek & Lucky Strike Mines & Mill	6	Asbestos	Roger Kyle, Mgr., Kyle Asbestos Mines, Box 302, Globe
Top Hat	3	Barite	C.E.& Cora Massingill, 2063 W.1st St Mesa

GRAHAM COUNTY

Neal's Mine	12	Manganese	Robert Neal, Metate Asbestos Corp. Box 111, Globe
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ACTIVE MINES
2-1959

NEAL'S MINE (Triplets)

GRAHAM COUNTY

MANGANESE

Active Mine List 9-58

Active Mine List 2-59

TRIPLETS MINE

GRAHAM ~~GILA~~ COUNTY

MANGANESE - Active Mine List 9-58

Bob Neal reported serious stripping problem at Triplets mine, due to the short time remaining in Car Lot prog., felt the large effort would therefore be inadvisable. LAS 5-21-59

Active Mine List 2-59