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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BLUE BIRD MINE

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 851

LOCATION: TOWNSHIP 12 S RANGE 6 W SECTION 34 QUARTER E2
LATITUDE: N 32DEG 20MIN 21SEC LONGITUDE: W 112DEG 51MIN 57SEC
TOPO MAP NAME: AJO - 15 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:
COPPER OXIDE

BIBLIOGRAPHY:
ADMMR BLUE BIRD MINE FILE
ALSO IN SEC. 35 & 36

LOUISIANA LAND & EXPLORATION CO., INC.

The Louisiana Land and Development Company has quit drilling on leased claims SW of Ajo pit. Their core shed was visited but no one was there. It is rumored that they had five core rigs busy at one time. However, no idea as to the number or depth of the holes was learned.
GW WR 6/21/72

It was also heard that Louisiana Land and Development Company is doing some prospecting on both the U.S. and Clara properties. Their geologist is named Caviness who is headquartered in Tucson, phone 296-9073. GW WR 6/28/72

Went to Tom Jones house to get something on the Louisiana Land and Development Company drilling SW of the New Cornelia Pit. Spent most of the afternoon interpreting the maps and other information submitted by Louisiana Land & Development on their Ajo project.
GW WR 10/20/72

The Louisiana Land & Exploration Company did considerable core drilling in a large area south and west of the Ajo pit of Phelps Dodge, but abandoned the project due, no doubt, to unfavorable results. Their project in the Swansea area was also cancelled. GW Annual Report 6/29/73

Louisiana Land and Exploration has 15 men and several drills working out of Parkerron both sides of the river. They need a project mgr. for six months. JHJ telephone conversation with Jack Pierce 3/27/74

AJO PROJECT - 534 T125 R6W
Louisiana Land & Exploration Co., Inc.

maps in cabinet

BLUE BIRD MINE

PIMA COUNTY
AJO DIST.
T12S, R6W, Sec 34-36

New MILS entry #851 BLUE BIRD MINE

K est

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

1. Information from: Mr. Thomas Jones at property site on May 9, 1979.
Address: _____
2. Mine: Blue Bird 3. No. of Claims - Patented 4
Unpatented 27
4. Location: Little Ajo Mountains, south of New Cornelia open-pit copper mine.
5. Sec 34-36 Tp 12S Range 6W 6. Mining District Ajo
7. Owner: Mr. Thomas Jones
8. Address: 530 Esperanza Avenue, Ajo, Arizona 85321, phone (602) 387-6715
9. Operating Co.: _____
10. Address: _____
11. President: _____ 12. Gen. Mgr.: _____
13. Principal Metals: Copper 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: The Blue Bird claims and others owned by Mr. Jones, are in a
contiguous group situated about 3,000 feet south of the New Cornelia pit.
The Blue Bird No's 1, 2, 4, & 5 are patented; survey no. 4564; total 70 acres.
There is a shallow shaft on Blue Bird No. 4. Abundant chrysocolla
is present in the fanglomerate.
Phelps Dodge, Occidental, and one other company have optioned
the claims but each company has returned them.
Mr. Jones is asking for \$100,000.00 for all the claims except
ten (10) acres, where his son lives on Blue Bird No. 4.

Date: May 22, 1979

MNG:mw

(Signature)

Michael N. Greeley

(Field Engineer)

EXHIBIT "A"

owned by Thomas Jones
Ajo, Az
May 1979

This Exhibit being the description of the following described unpatented mining claims situated in the Ajo Mining District, Pima County, Arizona, the location notices of which are of record in the Office of the County Recorder, Pima County, Arizona, in the docket and at the pages set forth below:

<u>CLAIM</u>	<u>DOCKET</u>	<u>PAGE</u>
Blue Bird No. 3	1633	300
Blue Bird No. 6	1633	303
Blue Bird No. 7	1633	304
Blue Bird No. 8	1633	305
Blue Bird No. 9	1633	306
Blue Bird No. 10	1633	307
Blue Bird No. 11	2261	141
Blue Bird No. 12	2877	141
Blue Bird No. 13	2877	142
Blue Bird No. 14	2877	143
Blue Bird No. 15	2877	144
Blue Bird No. 16	2877	145
Blue Bird No. 17	2877	146
Blue Bird No. 18	2877	147
Blue Bird No. 19	2877	148
Blue Bird No. 20	2877	149
Blue Bird No. 21	2877	150
Merry No. 1	1879	17
Merry No. 2	1879	18
Gail No. 1	722	211
Gail No. 2	722	212
Gail No. 3	750	587
Gail No. 4	750	586
Sunny Slope No. 1	77	250
Sunny Slope No. 2	77	252
Sunny Slope No. 3	77	254
Sunny Slope No. 4	77	249

RECEIVED

MAY 23 1979

MINERAL RESOURCES
PIMA COUNTY, ARIZONA

DRILL HOLE LOG

THE LOUISIANA LAND AND EXPLORATION COMPANY
WESTERN DIVISION

PROJECT S.W. Ajo, Pima County, Arizona HOLE NO A-9
 DRILLING CO. Beeman (0 - 1079); Longyear (1079 - bottom) DRILLER _____
 LOGGED BY F. Leon Lopez
 HOLE TYPE 0 - 1079 Hammer drilled; 1079 - 2223 Core drilled.
 LOCATION Side line Blue Bird No. 18 & Blue Bird No. 17 Claims; Section 34 TWP 12-S RGE 6-W
 COLLAR ELEV. 1866 BEARING _____ INCLINATION Vertical
 BEGUN May 31, 1972 COMPLETED June 14, 1972 TOTAL DEPTH 2223
 SCALE (S) _____ CORE SIZE (S) NX

DEPTH	REC	GEOLOGY	DESCRIPTION	ASSAY AND/OR GEOCHEMICAL DATA						
				NO.	FOOTAGE	Cu	Mo	Pb	Zn	Ag
			0 - 1079: Tlf. Locomotive fanglomerate. Hammer drilled to 1079'.							
			1079-1763: Barren fanglomerate.							
			1654-1763: 90% of clasts are quartz monzonite up to 6 inches across.							
			1763-1855: Tcm, Cornelia quartz monzonite; slightly foliated, weak propylitic alteration; biotite partly replaced by chlorite, minor sericite after plagioclase; minor specularite after biotite.							
			1771-1773: Fault zone; minor limonite and calcite.							
			1773-1792: Tcm, as above but less foliated; alteration: propylitic.							
			1792-1795: Fault zone; iron-stained Tcm fragments to 3/4" across.							
			1795-1798: Tcm, as above.							
			1798-1817: Tcm, abundant specularite after biotite; biotite --> chlorite. Traces of feldspar, dolomite, and specularite on fractures.							

DEPTH	REC.	GEOLOGY	DESCRIPTION	ASSAY AND/OR GEOCHEMICAL DATA						
				NO	FOOTAGE	Cu	Mo	Pb	Zn	Ag
			1817-1825: Tcm; fractured, calcite and specularite coating fractures; limonite stain.							
			1825-1841: Tcm; weakly fractured; alteration: propylitic.							
			1841-1845: Fault zone; brecciated; fractures coated with calcite.							
			1845-1855: Tcm; fractured; minor specularite; alteration: propylitic.							
			1855-1892: Tcm; quartz monzonite porphyry; phenocrysts 60% of rock; plagioclase, k-spar, biotite, quartz; phenocrysts to 1/8" long; groundmass very fine-grained phaneritic. Alteration; propylitic: biotite --> chlorite (approx. 60% of biotites are partly chloritized); plagioclase - fresh; k-spar, fresh; sphene, soft and gougy; specularite; disseminated grains, mostly at biotite sites.							
			1860-1870: Tcm; propylitic; fractures; 1/ft. (70°). Some with weak iron oxide coating.							
			1866-1868: Veinlet (10°), barren; argillation envelope 1/4-1" wide on veinlet.							
			1868-1870: Quartz veinlets 1/32" (10°); barren.							
			1870-1880: Tcm; phenocrysts 80% of rock; propylitic; fractures: 2/ft.							
			1875-1878: Weak stockwork fracturing with hematite coating. Fractures slicked with minor chlorite.							
			1880-1892: Tcm; fractures 1882-85, 6/ft. with trace pyrite on some fractures; 1885-90, 1/ft., weak limonite with some chlorite.							

DEPTH	REC.	GEOLOGY	DESCRIPTION	ASSAY AND/OR GEOCHEMICAL DATA						
				NO	FOOTAGE	Cu	Mo	Pb	Zn	Ag
			1892-1894: Latite porphyry; subhedral feldspar phenocrysts in aphanitic groundmass. Contact with Tcm sharp, 20°; up to 2" wide (?) mixed zone with Tcm; Tcm - biotites completely chloritized; plagioclase - weakly argillized. K-spar - fresh; iron stained fractures.							
			1894-1908: Tcm; phenocrysts 70%; propylitic; minor diss. specularite fractures, 1.5/ft., some with trace chlorite.							
			1908-1910: Diabase; small plagioclase phenos in aphanitic groundmass; minor chlorite in groundmass; trace of diss. pyrite. Upper contact sharp, 50°; lower contact sharp and irregular.							
			1910-1951: Tcm, porphyritic, phenocrysts 70%; alteration: propylitic; biotite 70% replaced by chlorite; feldspar fresh; trace of diss. specularite; trace of pyrite on some fractures 1912-15; fractures, 1/ft.							
			1928-1944: Tcm; alteration: slightly more intense; biotite completely chloritized; minor diss. specularite; feldspars fresh. Groundmass chloritized 1937-44.							
			1944-1951: Tcm; alteration: weak argillic; biotite completely chloritized; plagioclase weakly sericitized; minor diss. specularite.							
			1951-1954: Diabase, as above; upper contact 30°; lower contact 20°; barren quartz veinlet 1/8 inch wide parallels contacts; trace of pyrite on fractures and in discontinuous veinlets.							
			1954-1965: Tcm; as above; alteration: weak argillic.							
			1962-1965: Chilled margin; groundmass aphanitic and chloritized.							

DEPTH	REC.	GEOLOGY	DESCRIPTION	ASSAY AND/OR GEOCHEMICAL DATA						
				NO	FOOTAGE	Cu	Mo	Pb	Zn	Ag
			1965-1981: Kcv, Concentrator volcanics; silicic, lithic tuff; scattered fragments to 1/2 inch of medium grained granitic rock (pC ?); weak to moderate iron staining; no sulfides.							
			1981-2010: Tcm, as above; alteration: weak argillic, slight iron stain on fractures.							
			1986-1987: Fault zone; 1 foot of gouge.							
			1987-1995: Tcm; alteration: strong propylitic; fractures 3/ft with minor chlorite; 1988-89: specularite and chlorite replacing groundmass.							
			1995-1996: Diabase dikelet; upper contact, sharp, 30°; lower contact, sharp, 40°.							
			1996-2010: Tcm, porphyritic; phenocrysts 70%, alteration: propylitic; fractures: weak stockwork with minor iron staining.							
			2010-2019: Diabase dike; upper contact broken, trace of pyrite on fractures; lower contact 10° with chilled margin 2 inches wide.							
			2019-2080: Tcm, as above; alteration: propylitic; biotite --> chlorite; feldspars fresh; fractures: 2/ft., with weak iron stain on fractures.							
			2028-2040: Tcm; slicked limonite on fractures; pervasive iron stain thru rock.							
			2040-2080: Tcm, 85% phenocrysts; alteration: weak propylitic; biotite partly chloritized; feldspar fresh; fractures: 1/ft.							
			2080-2223: Tcd, diorite facies of Cornelia pluton. 80% phenocrysts (plagioclase, biotite, k-spar); no free quartz; alteration: weak propylitic; biotite partly chloritized; feldspar fresh; no specularite; no sulfides.							

[illegible]

Drill Hole A-9

A-9

DRILL SLUDGE

Cu ppm $\longrightarrow$
100 300

.1%

