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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: JERSEY GIRL

ALTERNATE NAMES:

TOLUACHI GROUP
MORNING STAR GROUP
WHITE CLOUD

SANTA CRUZ COUNTY MILS NUMBER: 231A

LOCATION: TOWNSHIP 21 S RANGE 14 E SECTION 11 QUARTER NE
LATITUDE: N 31DEG 37MIN 16SEC LONGITUDE: W 110DEG 52MIN 24SEC
TOPO MAP NAME: MOUNT WRIGHTSON - 15 MIN

CURRENT STATUS: PAST PRODUCER

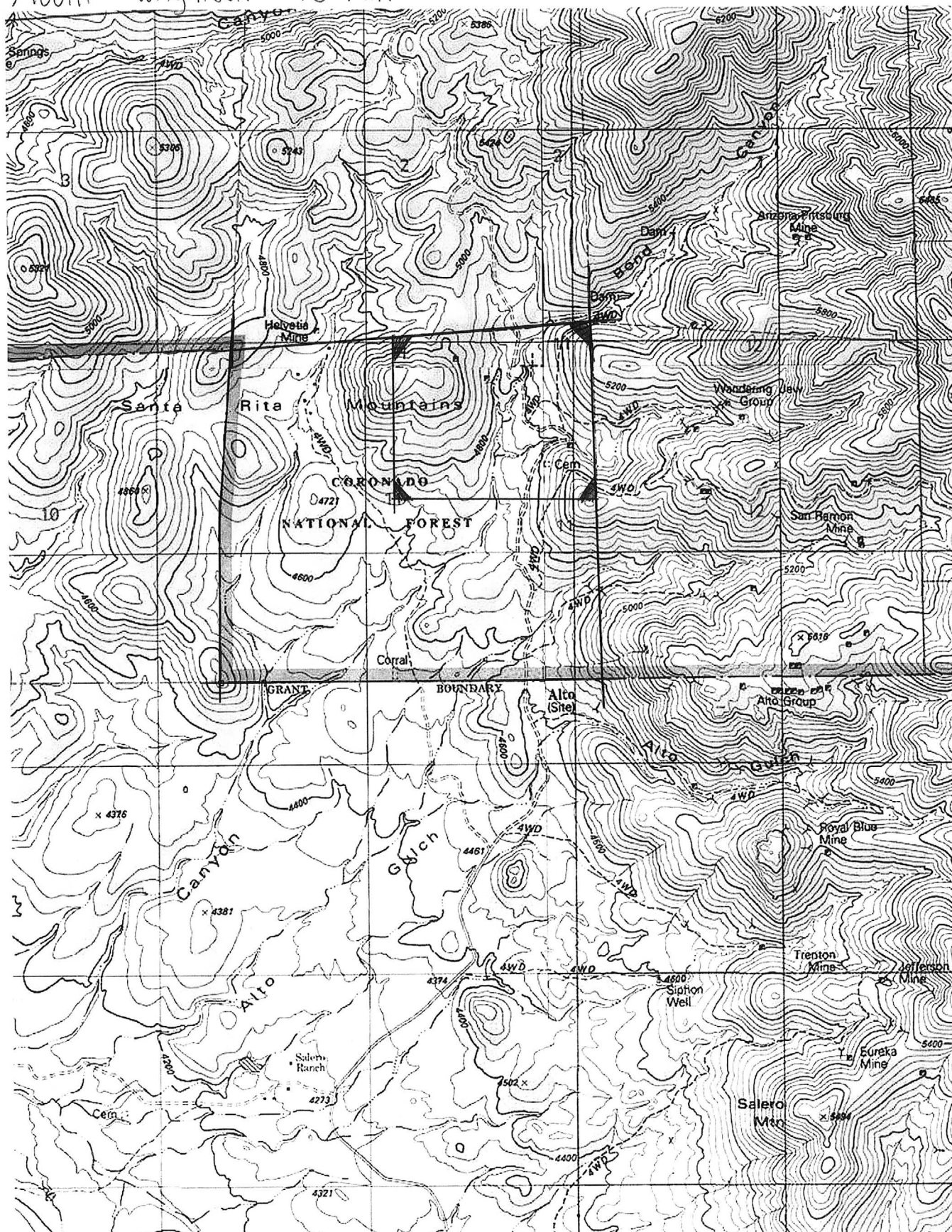
COMMODITY:

LEAD
COPPER
SILVER
GOLD
ARSENIC DELETERIOUS?
CHLORINE
ANTIMONY DELETERIOUS?
BROMINE

BIBLIOGRAPHY:

USGS MT WRIGHTSON QUAD
AZBM CARD FILE SANTA CRUZ CO.
SCHRADER, F.C., USGS BULL. 582, P. 206-207
MAIN ENTRANCE MARKED ON 15 MIN. MT WRIGHTON
QUAD
ADMMR JERSEY GIRL FILE

Mount Wrightson - 15 min



N 31° 37' 16" W 110° 52' 24"

Jersey Girl

MORNING STAR GROUP

SANTA CRUZ COUNTY
T21S R14E Sec 12
Tyndall District

MILS # 231A

MORNING STAR GROUP

SANTA CRUZ COUNTY
T21S R14E Sec 12

MG WR 5/27/83 According to BLM microfiche, the area where the Morning Star mine, Tyndall District, Santa Cruz County is located is now essentially covered with claims owned by the Bond Mining Trust, P O Box 123, Sonoita, Az. 85637 or % 805 N. 19th St., Boise, ID 83702.

✓ MORNING STAR GROUP (

SANTA CRUZ COUNTY

✓ John F. Knipschild, field representative Arizona Conference of 7th Day Adventists, 2601 E. Thomas Road, Phoenix, Ariz, asked for information on the Alto Group (North Part) and the Morning Star Group of claims, 14 to 17 miles north of Patagonia, owned by Eve Henderson, Box 854, Patagonia. He stated that he has these properties in trust, and would like to sell or lease.

A L JOHNSON

3-27-59 WR

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Morningstar Group Date June 28, 1962
District Tyndall District, Santa Cruz Co. Engineer Axel L. Johnson
Subject: Field Engineers Report. Information from Winsor Ellefson.

Location: Sec. 12-T21S-R114E. About 22 miles NW of Patagonia. From Patagonia, take Highway No. 82 for a distance of about 4 miles. Turn right (NW) and drive about 18 miles to the mine.

Number of Claims 6 unpatented claims.

Owner Mrs. Eva Henderson, Box 854, Patagonia, Ariz.

Principal Minerals Copper with some silver.

Present Mining Activity Annual assessment work being done for Mrs. Henderson by Winsor Ellefson.

Geology Quartz vein about 18 inches wide, containing variable amounts of oxidized copper, mostly chrysocolla.

Ore Values Not determined. Does not appear to be commercial.

Milling Facilities None

Present Mine Workings An adit was driven for a distance of 78 ft. into the hillside. A raise is now being put up from the end of the adit to break through into a 10 ft. shaft above. This raise is now up 15 ft. and requires another 5 ft. to make the connection.

Visited Morning Star Group, Santa Cruz. (Two patented claims the Dayton and Bonanza Owned and operated by Winsor Ellefson)

*error
possible error - seeking info from H.W.I*

GWI WR 7/17/65

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Page 1.

Mine Morning Star Group

Date Sept. 28, 1954.

District Tyndall District ---Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report -----Mine inspection with Ramon G. Moreno & C. W. Dorsey.

Location Sec. ²35 -- T ²⁴24 S -- R 14 E. Go SW from Patagonia on Patagonia-Nogales road for a distance of 3 miles. Turn left (NNW) and drive 14 miles on county road to the mine. Road is graded and in good shape, except the last 2 miles, which is not graded and is rough.

Number of Claims 9 unpatented claims.

Owner Mrs. Eva Henderson, Box 854, Patagonia, Arizona.

Principal Metals and Minerals Ores of copper, lead and silver. Copper carbonates, chalcopyrite, bornite, lead carbonate, and galena.

Number of Men employed One man, part time, doing the assessment work.

Production Rate No ore production.

Geology Country rock in the district is mainly quartz diorite, with some granite porphyry intruded into same. (from Schrader's Report and personal information)

Ore Values Copper---6 % average. Lead ---from 4 1/2 % to 20 %. Zinc--- trace to 15 %. Silver -- 9 to 30 oz. Ore must be hand sorted on account of the narrow pay streaks in which it occurs.

Ore in Sight and Probable Ore

- (1) Ore in Sight -----None.
- (2) Probable Ore, shipping grade ----100 to 150 tons.
- (3) Probable Ore, milling grade ---- 400 to 600 tons.

Milling and Marketing Facilities No mill on the property. Direct shipping ore can be shipped to A. S. & R. smelter at El Paso, Texas.

Past History Apparently most of the workings are quite old, as a 225 ft. adit is all caved in and a 20 ft. shaft is also caved in. However, Allan V. Geer (reported deceased) worked the White Cloud claim as a lessee in ~~1948~~ 1949 and 1950

Description of Mine Workings and Ore Showings by claims

(1) Senaca Claim (unpat)

Vein-- Size, strike and dip The vein is about 6 ft. wide, with a 2 ft. additional on hanging wall containing talc. Vein has a 6 inch pay streak along the footwall, and also a 6 inch pay streak along the hanging wall next to the talc. Ores are mostly lead carbonates, with a small amount of copper carbonate. Vein can be traced for about 200 ft. on the surface, and has a strike of ~~S 80 E~~ S 80 E with a dip of 80 degrees to the north. The wall rock is a porphyry, which might be called a granite porphyry.

Workings on vein An adit has been started on the vein, and this adit is now in about 10 ft. Mr. Moreno is doing the assessment work for Mrs. Henderson and working in this adit part time.

Probable Ore 50 to 75 tons of shipping grade ore.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Page 2.

Mine Morning Star Group

Date Sept. 28, 1954.

District Tyndall District --- Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report ---- Mine Inspection with Ramon G. Moreno & C. W. Dorsey.

(2) Morning Star Claim (unpat)

Vein-- Strike, size and dip The vein is about 3 ft. wide, showing about 1 foot of good grade ore, mostly lead carbonates with some copper. Vein strikes ~~S 80 E~~ S 80 E with a nearly vertical dip, most of it is covered by overburden, and was examined in a hole formed by the caving in of the old adit, which is now all caved in and inaccessible. Mrs Henderson and also J. W. Crotty reports that some 2 % Uranium was found in the back of this adit, when it was being worked. However, since the adit is all caved in now, I had no way of checking these reports. I checked the hole above the caved in drift with my geiger counter, but found no indication of uranium at this point.

Workings on vein

1 -- adit, all caved in, reported to be 225 ft. long, and following the vein for a distance of 180 ft. Moreno reports shipments of lead and copper carbonates, assaying 6 % copper, 18 % lead, and 30 oz. of silver from in and above this adit.

Probable Ore Probably very little. Very likely, most, if not all, of the shipping grade ore available was mined out at the time the property was worked. Any uranium ore found would, most likely, be associated with the oxidized minerals in the vein.

(3) White Cloud Claim (unpat)

Vein--Size, strike and dip The vein is from 10 inches to 4 ft. in width, with pay streaks from 8 inches to 18 inches in width, containing lead and zinc sulphides. Vein is nearly vertical and can be traced for about 100 ft. on the surface.

Workings on vein 1 -- 45 ft. vertical shaft, filled with water to within 8 ft. of the top. This shaft was used by Allan V. Geer, lessee, who operated the property in 1949 and 1950, and is still in good shape. Vein at the top of the shaft is only 10 inches wide, but it is reported by Moreno to be 3 ft. wide at the bottom of the shaft and to contain a pay streak about 18 inches in width.

1 -- 5 ft. drift SE from near the bottom of the shaft. 3 tons of handpicked ore is reported to have been shipped to Hawley and Hawley by Mr. Geer with high lead, zinc and silver values from this point.

1 -- 20 ft. vertical shaft-- caved in. Vein, at this point, is about 4 ft. wide, with about 8 inches ore showing, with copper and lead carbonates. Moreno reports assay of 6 % copper and 4 1/2 % lead, with 9 oz. silver from this shaft.

Probable Ore 40 to 50 tons of shipping grade ore.

Proposed Plans Mrs. Eva Henderson wishes to lease out these claims. Terms 10 % of net smelter returns, with option to buy.