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10/16/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: MONARCH GROUP

ALTERNATE NAMES:

PEARL VEIN
PEARL PROPERTY

PINAL COUNTY MILS NUMBER: 566

LOCATION: TOWNSHIP 8 S RANGE 16 E SECTION 19 QUARTER N2
LATITUDE: N 32DEG 43MIN 25SEC LONGITUDE: W 110DEG 44MIN 44SEC
TOPO MAP NAME: MAMMOTH - 7.5 MIN

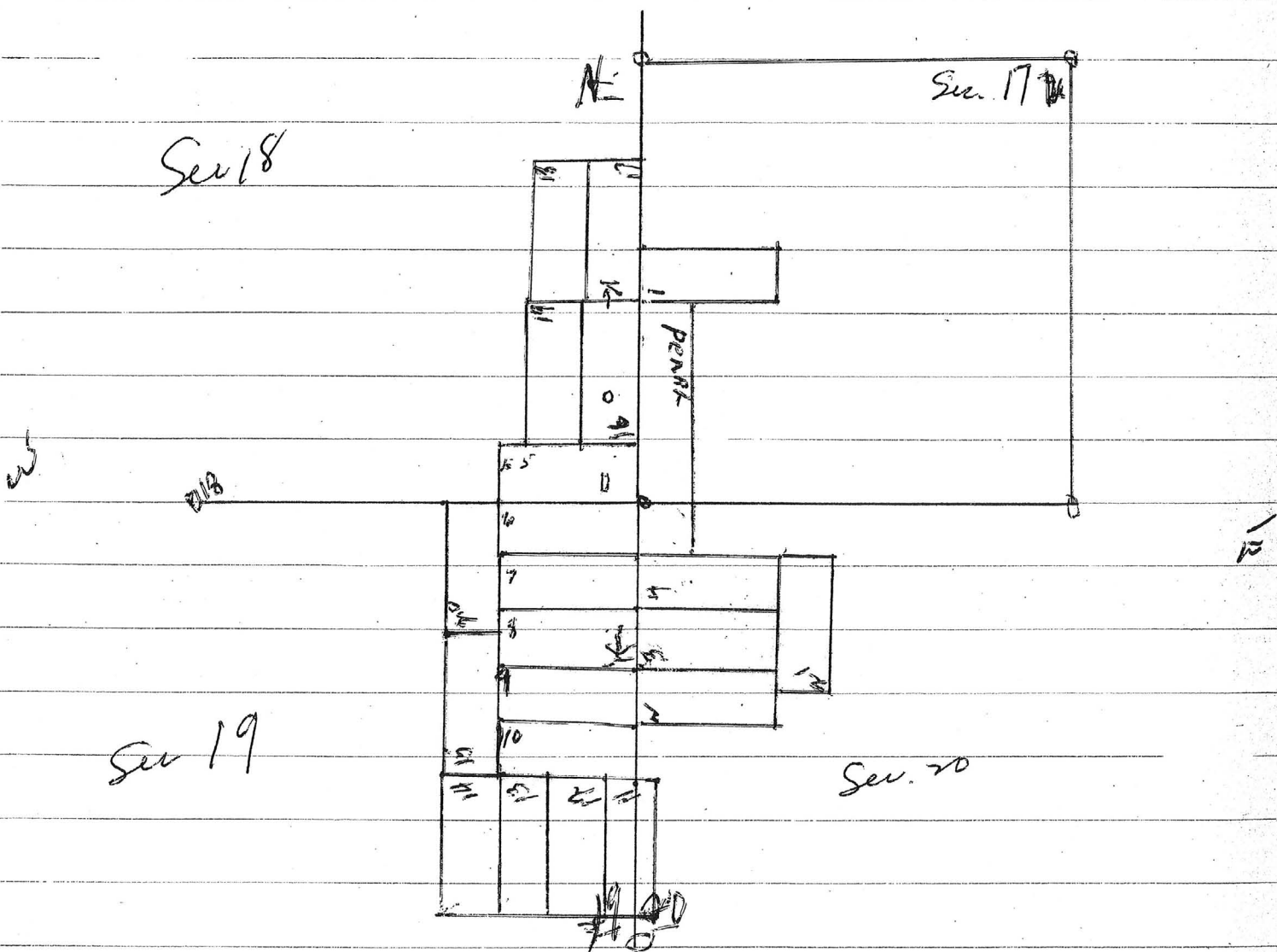
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ADMMR MONARCH GROUP FILE



by Walter Hughes

MONARCH GROUP

PINAL COUNTY
MAMMOTH DIST.

Walter E. Hughes, Box 533, Mammoth, Ariz. --- Discussion of the MONARCH GROUP of claims, near Mammoth owned by Mr. Hughes. Mr. Hughes stated that he would like to have some drilling company drill this property on a percentage basis. Otherwise, he would like to lease the property to an individual or company, who would do exploration work of some kind on the property. O.M.E. Exploration loan was also discussed, and Mr. Hughes stated that he could not afford to pay 50% of the cost. Discussion of the proposed Ladendorff bill, providing for exploration claims on Federal claims.

AXEL L. JOHNSON - Mammoth Conf. - 2-15-61

WALTER HUGHES, Box 533, Mammoth, Ariz.

Mr. Hughes stated that he has recently located 21 claims, NW of the San Manuel Mine (Secs. 18 & 19 - R 8 S - T 16 E), and requested that I go out with him and examine the property. An appointment was made to go out there for the field examination on March 11, 1960, meeting him in Mammoth at 10:00 A.M.

AXEL L. JOHNSON, San Manuel Conf. - 3-9-1960

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine \ Monarch Group

Date March 11, 1960

District Mammoth Mining District, Pinal Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from Walter Hughes and personal visit.

Location Secs. 17, 18, 19, & 20 -- T. 8 S. -- R. 16 E., about 6 miles west of Mammoth by airline and 9 miles by road, and just north of Signal Peak.

Number of claims 21 unpatented claims, located in Dec. 1959. Location work now finished.

Owner Walter Hughes, Box 533, Mammoth, Arizona.

Principal Minerals , Copper

Principal Mining Activity Small amount of exploration.

Geology The country rock appears to be monzonite porphyry and quartz monzonite. Three main veins and several smaller veins can be seen running N. and S., with cross fractures running NW-SE across these veins, the cross fractures being from 10 to 50 ft. apart. Minor faulting was visible, but no large faults observed. Oxidized copper was found in the veins, the minerals being chrysocolla, malachite, tenorite, cuprite, and a small amount of wulfenite. No sulphides were visible. Outcrops show some evidence of leaching. Three veins were observed, viz:

- (1) Pearl vein, 8 to 10 ft. wide, striking N. * S, dipping 80 deg. to W, length about 1/2 mile.
- (2) Vein, 10 to 18 ft. wide, striking N-S, dipping 65 deg. to W, traceable for about 2,000 ft.
- (3) Vein 2 ft. wide, striking N.- S, dipping 60 deg. W., traceable for about 3,000 ft. Mr. Hughes reports an assay, running 6.5 % Copper from this vein.

Mine Workings Besides the location shafts, there are 15 shallow open cuts on the property. These are reported to be from 10 to 15 ft. long, 5 to 6 ft. wide, and from 10 to 12 ft. deep. 11 of these cuts show variable amounts of ore, and 4 have no ore showings.

Additional Walter Hughes reports that he also owns 5 additional unpatented claims, called the "Little Joe Group", which he has held since 1941, adjoining the San Manuel Mine on the NW; and reports that the San Manuel Copper Co. is interested in acquiring these. The engineer was not asked to examine these claims. These claims are reported by Mr. Hughes to lie in Sec. 28, T 8 S - R 16 E.

Maps Enclosed find sketch of the Monarch Group of claims, drawn by Walter Hughes.