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Angelus #3

DISTRICT: PLANET
NAME: ARGUS GOLD (A. B. JONES Property)
OWNER: ROY WENCESLAW
DATE VISITED: January 27-1923. H. S. McKnight.

NOTES: The property lies just South of the PLANET MINE, Yuma County, Arizona, and consists of eleven claims held by assessment.

GEOLOGY: The formation consists of schist varying from a thinly laminated light colored sericitic schist to a dark blocky hornblende schist which is very silicious in places, resembling quartzite. The formation strikes NW-SE and dips toward the SW at an angle of about 50 degrees.

The vein is a fissure vein striking North 25 degrees West and dipping NE about 25 degrees. The foot-wall consists of a green silicious schist and the immediate hanging-wall consists of a conglomeritic or brecciated rock with calcareous cementing material which is only a few feet thick. Above this and toward the East end of the property there is a light colored sericite schist. Toward the center of the property the schistosity of the hanging-wall rock is less apparent and the rock here resembles a light colored quartzite. Farther toward the N.W. there occurs an intrusion of a dark greenish colored fine grained igneous rock containing quartz, which is probably a diorite porphyry.

The vein filling is made up of quartz and silicious schist, varying in thickness from 2 to 6 feet. Flakey gold can be found on some of the cleavage faces of the rock and in places copper carbonates and silicate occur.

DEVELOPMENT: Toward the NE end of the group there is an inclined shaft on the vein, 80 ft. deep. The thickness of the vein here varies from 2 to 6 feet. Samples cut at five foot intervals gave the following returns:

0 - 20 Ft.	from Collar	- Gold	= 0.32 Oz.
20-40	"	"	" = 0.12 "
40-60	"	"	" = 0.05 "
60-80	"	"	" = 0.01 "

The average value of the ore in this shaft is therefore \$2.50 per ton.

Just West of this shaft there is a shallow open cut exposing the vein for 30 ft. Width of vein from 3 to 4 ft. Composite of samples from 0 to 30 ft. west of shaft showed Gold - Tr.

100 ft. N.W. of the 80 ft. shaft there is a small hole exposing the vein which shows considerable flakey gold at this point. A sample of picked high grade ran Gold = 1.44 Oz. A grab sample of the muck from this hole ran Gold = 0.76 ounces.

200 Ft. N.W. of 80 Ft. shaft there is a 35 Ft. shaft on the vein. Samples cut in this shaft gave the following results:

10 ft.	below Collar.	Width 3.5 ft.	Gold = Tr.
20 "	"	" 4 "	" = 2.06 Oz.
30 "	"	" 4 "	" = Tr.

About 400 ft. N.W. of the 80 ft. shaft there is a forty foot shaft on the vein. A three ft. sample cut 20 ft. below the collar showed Gold = Tr. A three ft. sample cut in the face showed Gold = 0.01 oz.

A grab sample of a dump of ore showing copper at the 80 ft. shaft ran Gold = 0.01 oz.

CONCLUSION: The vein is of some interest in that it contains in places sufficient gold to make it commercial. However, the irregularity of values and general low grade of the ore make it commercially unimportant.