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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: TULIP GROUP

ALTERNATE NAMES:

YAVAPAI COUNTY MILS NUMBER: 467B

LOCATION: TOWNSHIP 13 N RANGE 3 W SECTION 16 QUARTER E2
LATITUDE: N 34DEG 30MIN 25SEC LONGITUDE: W 112DEG 34MIN 20SEC
TOPO MAP NAME: IRON SPRINGS - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
COPPER
GOLD
SILVER
LEAD

BIBLIOGRAPHY:
ADMMR TULIP GROUP FILE

Sec 16, 3 1/2 1/2 N (Re: Thury map)
Sec 16, T13N, R3W

REPORT
TULIP MINING CLAIMS

PROPERTY:

This property consists of a group of six (6) mining claims, having an area of 120 acres, situated in the Thumb Butte and Copper Basin Mining Districts of Yavapai County, Arizona.

This title is held by possessory right granted by State and Federal laws enacted for the purpose of discovering and developing the mineral resources of the United States.

The certain acts necessary to complete this title, have, I find on examination, been full complied with by the locators of these claims. No liens or mortgages or other debts appear of record against the property. The title is free and clear of encumbrances of any nature.

LOCATION:

As first stated, the property is composed of a group of six mining claims, known as the TULIP GROUPS, situate about two miles northerly of that property known as the Commercial, a well-known producer and owned by Phelps-Dodge.

To the southwest is the U S Mine, a producer of lead-silver-zinc ores, and about as far distant.

The claims lie across the northern rim of the Copper Basin District on the dividing line of this district and the Thumb Butte Mining District. These claims are well located as to ore conditions and future possibilities, of production.

The claims in this group number six, four of them along a sheared zone, extending north and south, the same zone on which the Commercial "Phelps-Dodge" property is located.

WATER:

The northern slope of the tin is well watered by many springs, which flow all the year, and a large supply of this necessary fluid can be developed at a very reasonable cost.

The southern slope has as yet had not water developed, probably because very little work has been done there, and this work not at points where water might be met, but a small flow has been found in the 90 foot shaft on the Tulip No. 2.

TIMBER:

From the top of the rim of the Basin North, the slope is heavily covered with native pine from 20 to 100 feet high, and from

four inches to three feet in diameter at the butt. Scattered through this is both black and white oak, walnut, maple and juniper.

This may be used both for mine or fuel purposes as may be needed. The area is some two thousand feet long by one thousand feet wide.

ROADS:

The property is approached either from the north or the south by wagon roads and is distant from Prescott by the north route about eight miles; by the southern, twelve miles. A portion of this is in need of some repair, probably the last mile.

The southern route is over the county road to the Commercial Mine, and then by private road and pack trail to the mine. The short road in from the north is the proper one to improve at this time.

FORMATION:

COPPER BASIN is an upthrust of volcanic magma, fractured in cooling and sheared by subsequent earth movements. The fractures (ledges) and sheared zones thus formed, making possible the precipitation of metals in metallic form, from those circulating waters which hold these metals in solution. The origin of the metal is the volcanic magma, which brings it to the surface. The chemical action taking place at the surface dissolves, and the water circulation re-deposits at such points as it may reach. Thus erosion is taking place all the time, now as in the past. The result of this action is to concentrate the metallic values at these points at or below the surface, most favorable for their reception.

Sheared zones, where earth movements have been great make wide fractures of great depth, filled with crushed and broken magma, through which water passes easily, redepositing in greater or less quantity the ores of commerce.

Copper Basin presents an example of such conditions, three such zones having been demonstrated and proven, one showing an east west movement, one a movement nearly north and south, and one from northeast to southwest and against schist.

Other fractures are observed which are due to either lateral pressure or to rapid cooling, or to both.

The zones cross at three points of a triangle, and at and near these crossings (junctions) the larger and better ore bodies are found. One point of crossing is in the Commercial property; one in the U S property; and one in the Tulip Group; Copper Basin needs no better recommendation than the ore that has been shipped from active properties.

The origin of the ore is plainly from the molten porphyry rock which broke up through the schist, the ragged edges and easily body of the latter being especially suited to water circulation, the metal content being deposited by magnetic segregation. The local conditions in the Tulip group are ideal for deposits massive in quantity and commercial in quality of gold-silver-lead-copper

LEDGES AND ORE:

(This includes sheared zones, lateral pressure fractures, fissure veins and deposits.)

All ledges are effects of causes known or unknown. All mining operations are based on this axiom, like causes will probably produce the same effects or like effects. This is true to such an extent in mining, that we follow the first discoveries of mineral in new districts as closely as possible to find like conditions elsewhere either in the same district or in others.

Sufficient development has been accomplished in the Copper Basin District to guide new work to a successful conclusion. It is also true that considering the area of the volcanic magma exposed, the opportunity for new mines being opened is very favorable.

The lesson taught by active and producing properties is so plain that it seems as if one could not go wrong, and that successful mining is assured if these lessons are followed, and sufficient funds are provided to complete the work planned.

The east and west zone of the Basin is more eroded than any other portion of its area. These lower formations expose conditions that we may expect to find at other points when these lower formations are reached through the upper formations not yet cut down by natural processes. (Erosion)

The strike of the several zones and ledges has been followed by shallow pits and shafts by poor men who make "prospecting" their business, to the point of proving the courses and values. There the work has stopped, systematic mining. The way has been cleared, however, for such work. Three ledge systems have been opened, and the ore conditions exposed in the ledges of the Tulip property fully justify further development by systematic mining, under intelligent and careful management.

The successful exploited ledges meet and cross on the Tulip group and indicate permanent values from surface observations.

DEVELOPMENT

TULIP # 1.

This claim is opened by 2 shafts, 10 feet and 20 feet in depth, showing a ledge three feet wide, course or strike northerly.

TULIP NO 2.

Four shafts. The shafts are 20 feet, 50 feet, 10 feet, and 90 feet deep all in ore on same ledge, See blue print. The 50 foot shaft shows the ledge to be six feet wide at the bottom. The values are in gold, silver, and copper, average value about \$20.00 per ton; this shaft is located at about the middle of the claims. The ninety foot shaft is located at the north end of the claim; this is sunk in the ledge and is all in ore from top to bottom. Not a pound of

waste rock is to be found on the dump; the ore from the bottom is all sulphide in character, carrying gold, silver, lead, copper, and is nearly solid metal. The ore is high-grade, \$40.00 to \$120.00 per ton, and complies in character. In sinking this shaft two cars of ore were shipped and gave smelter returns of \$70.00 per ton; this ore had to be packed out over the trail 3 miles long to road north of property.

The width of ore at the bottom of this 90-foot shaft is six feet as far as opened; the hanging wall was not reached.

TULIP NUMBER 3:

This is on the same ledge at No 2. (See Blueprint) and opened by 20 ft. cut showing ore three feet in width assaying \$8.00 to \$20.00 per ton.

TULIP NUMBER 5:

This is on the same ledge as No. 2 and No. 3, and opened by sixty foot tunnel; also, four shafts along the ledge but now caved in-- said to have ranged from 10 feet to 40 feet depth; all showing ore from two to four feet in width, and covering a distance of about 1200 feet in length beginning at the south end of the claim (This ledge is the sheared zone opened in the Loma Prieta Mine, 3 miles to the south, and has a northerly course or "strike", the ore carries gold, silver, and lead.

TULIP NUMBER 4:

This claim is located on a separate ledge to No's 1, 2, 3, and 5, and is opened by a seventy foot tunnel and two shafts of a depth of 40 feet each. The ledge has a strike of S 50 degrees W, exposing a rather high-grade of ore, carrying gold, silver and lead with a width of two feet.

TULIP NUMBER 6:

This is a claim which was located for water, having two good springs on the ground, but a 20 foot shaft exposes a cross ledge from which samples can be taken showing free gold,

CONCLUSION:

All this work has been in years past as development and annual "assessment" work" to systematically prove the continuance of the ledges opened on these and other properties, It cost thousands of dollars worth of expense and labor and the way cleared for larger work.

Good judgement was shown in locating the work as results show. I find the claims of the Tulip Group well located on fissures that promise successful mining.

I find ore carrying gold, silver, lead and copper, of commercial value and in great quantity.

I find abundant water for all purposes of mining, and several acres of timber suitable for fuel or mine timbers.

I find the property can be made easily accessible to roads by rebuilding present trails into roads at small expense not to exceed \$500.00.

I find nothing to condemn. I heartily recommend.

Respectfully submitted,

W. F. Burns.

NOTE:

The geology and formation of this report are taken from reports of such well-known engineers as James Douglass and J. Fyfe Keer, also U. S. Geological Survey Maps of the 70'S and in the later surveys of the Congress Quadrangle by Douglass issued in 1904.

W. F. B.

BRUCE F. PATTISON,

Assayer & Chemist. 226 So Montezuma St.

Prescott, Arizona, Aug, 17, 1939.

NUMBER	DESCRIPTION	GOLD OZS	SILVER OZS	LEAD %	VALUE.
2595	Talip No. 2	1.43	29.57	22.46	\$80.22
2595	"	1.43	29.57		66.75
2596	No. 1	.51	9.69		23.20
2597	Dump No. 5	.87	.63		28.45
2598	Tunnel No. 5	1.18	3.12		40.18
	Lower " " "	.03	.41		1.26
	Upper " " "	0.78	2.12		26.50

Samples taken by W.F.Krans

Talip Group
Burnett

ASSAYS, taken by J.T.Hinds, E.M. on the
TULIP GROUP, and
ASSAYED by A.C.Thompson, United Verde Extension
Jerome, Arizona,

May, 1, 1928.

No.	Au.	Ag.	Cu.	Pb.	Fe.	S. Value Per ton	How Taken.
1	0.02	2.94				\$ 2.59	Dump, Tulip No. 1, 3' Wide.
2	0.44	1.25				16.18	Tulip No. 1, 20' Shaft, 3' Wide.
3	0.32	28.68		2.5		32.21	50' shaft, 4' wide, Tulip #2
4.	0.18	11.38	15.3			38.12	20' shaft, 4' wide, Tulip #2
5	0.22	2.46				9.27	Dump, Tulip #2
6	0.06	6.34				6.19	Open Cut, Tulip #2
7	0.42	0.26				14.86	Open Cut, Tulip #2
8	0.32	2.62		5.75	3.9 18.6	55.43	Ore Dump, Tulip #2, 90' shaft Vein 6' wide.
9	0.68	10.68		11.1	22.3 22.4	38.90	Ore dump, 90' shaft Fines, Vein 6' wide.
10	0.14	1.26			37.7 39.8	5.06	Pyrite Ore, 90' shaft, Tulip No. 2
11	0.58	2.62				21.98	Open Cut, Tulip #2, 3' wide
12	0.86	2.16				32.48	Tunnel and 40' shaft, Tulip No. 5, 2' to 4' wide.
13	0.58	2.62				21.92	Open Cut, Tulip #6.
Au	\$35.00						
Ag	64 $\frac{1}{2}$ ¢						
Pb	3.70¢						
Cu	.08¢						

Tulip group.

File
Tulip Group.

GIROUX ASSAY OFFICE.

Mayer, Arizona,

Aug, 30, 1938.

40' down in 90' shaft, Tulip No. 2

	<u>GOLD OUNCES</u>	<u>SILVER OUNCES</u>	<u>LEAD.</u>	<u>VALUE.</u>
	1.04	31.36	12.25%	\$60.26
Ditto	0.80	18.20	No assay	47.61
Dump (grab Sample)	0.40	1.20	" "	13.61
20' shaft, Tulip No. 2	0.51	3.09	" "	20.81

~~Silver xx \$32.20 xxxxxxxx~~

Gold \$32.20
Silver .62
Copper 1.40 Unit
Lead .60 Unit.

SAMPLES TAKEN BY George Davis,