



CONTACT INFORMATION  
Mining Records Curator  
Arizona Geological Survey  
416 W. Congress St., Suite 100  
Tucson, Arizona 85701  
520-770-3500  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

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A

GEOLOGIC and EVALUATION REPORT

on the

FRANKLIN MINE CLAIMS

in the

Turkey Creek Mining District

Yavapai County, Arizona

by

Richard E. Mieritz  
Mining Consultant  
Phoenix, Arizona

November 16, 1978

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Included Exhibits:

- Assay Certificate - Iron King Assay Office
- Map No. 1 - Index Map - Central Arizona
- Map No. 2 - Geologic Map - Portion of Yavapai, County, Arizona
- Map No. 3 - Claim Map - Franklin Mine Claims
- Map No. 4 - Mineralization Map, Franklin Mine

INTRODUCTION:

At the request of and authorization by Mr. Sam Schwartz, Phoenix, Arizona, the writer examined the Franklin Mine group of mining claims in Yavapai County, Arizona. A field examination was completed by the writer, accompanied by Messrs. Sam Schwartz and Fred Babineau, on November 7, 1978.

PROPERTY, LOCATION and ACCESSIBILITY:

The property consists of fifteen (15) unpatented lode mining claims, held by right of location and three (3) patented lode mining claims. These include the following:

Patented Claims:

Kendall, Sur. No. 427  
Union, Sur. No. 429  
Franklin, Sur. No. 430

Unpatented Claims:

Kendall #1 through #9 (9), Union #1 through #3 (3)  
Franklin #1 through #3 (3), total Fifteen (15) claims  
Three of these claims are in conflict with the patented claims and were staked to cover fractions (open ground) between and near the patented claims.



The property is located in unsurveyed territory, in the Prescott National Forest and by projection, in the western half of Section 2, T. 11 N., R. 2 W., G. & S. R. B. & M., Yavapai County, Arizona. (See Maps No. 2 and 3.) The property elevation ranges from 5100 to 5400 feet.

Accessibility is by passenger automobile from Phoenix by traveling north on Interstate I-17 to the Cordes Junction off-ramp and north-westward on Highway 69 to Mayer more or less 65 miles from Phoenix.

In Mayer, there is a Circle "K" convenience market located on the west side of the highway and at a corner with a paved street to the west (left side of highway). From this point, travel west on the paved road to Main Street, turn right onto Main Street and travel north to a street intersection which has the Mayer Post Office on the northeast corner. Turn left for one block, turn left again past a church on the right side of the street. Turn right at the first street past the church, passing another church on the left. This road heads westerly and junctions with the old Senator Highway 12.2 miles from the Circle "K" market. From this junction, travel southward (left) for 3.0 miles to the Battle Flat road (Forest Road 52). Turn left at this junction and travel 1.5 miles to the Mine access road (second road on left). From this point it is 1.7 miles to Franklin Mine camp.

HISTORY, DEVELOPMENT and PRODUCTION:

The Kendall, Union and Franklin claims were patent surveyed in

year 1882. At that time, the Kendall was developed by a 33 foot inclined shaft and a 30 foot Adit - still the present workings. The Union was developed by two shafts, one 11 feet deep and the second 28 feet deep with a 25 foot drift. The Franklin was developed by two Adits - on the same mineralized structure as the Union - the upper being 25 feet long and the lower being 152 feet long. (See Map No. 4.)

Since then, it appears that the shaft on the Union claim has been deepened from 28 feet to about 90 feet (not accessible below the 40 foot depth) and the lower Adit on the Franklin claim has been advanced from 152 feet to 1500 (?) feet - possibly connecting with the shaft on the Union claim.

A search of the Arizona Department of Mineral Resources records was fruitless, consequently there is no record of past production, assays, etc.

#### GEOLOGY and MINERALIZATION:

The claims lie in a portion of the Bradshaw Mountain complex where Pre-Cambrian rocks have been invaded by the Bradshaw granite which was partially responsible for some of the gold, silver, copper, lead and zinc mineralization within the Bradshaw Mountains.

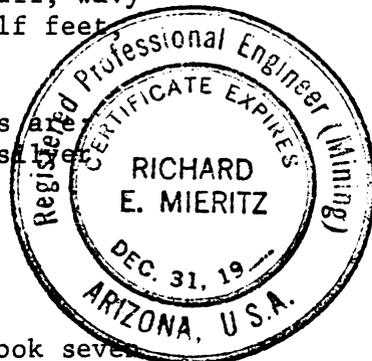
The Franklin Mine claims totally lie in a portion of the Bradshaw granite. Within this granite, many faults and fractures occurred with subsequent mineralization as aforementioned. These structures vary in characteristics, some being strong, persistent and well mineralized, others are weak, short in length and weakly mineralized or void of mineralization. The gangue mineral in the faults and/or fractures is quartz, usually of the sugary type, honeycombed and most frequently strongly mineralized. Massive, hard, dense, and fine grained quartz has also filled some of the faults and/or fractures, but this type gangue is usually less mineralized - weaker. The structures in evidence at the Franklin Mine are a combination of the two types of gangue mentioned above.

One major structure occurs on the Kendall claim which strikes N.10°W. and dips 80° west. The other major structure - more developed than the former - occurs on the Union-Franklin claims, which strikes N.30-50°E. and dips 65° west. In each case, the structures are fault fractures (veins), quartz filled with a smooth hanging wall, wavy footwall and vary in width from one foot to two and a half feet horizontally and vertically.

Although somewhat sparse, the observed, detected minerals are galena, pyrite, copper oxides, limonites (iron oxides) (silicates, chlorides), manganese and perhaps argentite.

#### SAMPLING and RESULTS:

During the course of the field examination, the writer took several





(7) samples to obtain some factual data as to the mineral content and value of the vein material in order to evaluate a possible potential of the property.

The samples taken were numbered 1476 through 1482. Of these, samples 1476-77 and 1482 were taken on the Kendall claim structures and the other four were taken at the shaft area of the Union claim. These sample numbers and locations are shown on Map No. 4.

Sample numbers, descriptions and results follow:

Kendall Claim:

<u>Sample Number</u>	<u>Description</u>	<u>Contents</u>			
		<u>Percent</u>		<u>Ounces/ton</u>	
		<u>Cu</u>	<u>Pb</u>	<u>Au.</u>	<u>Ag.</u>
1476	Grab sample of dump material from 30 ft. shaft on 1.5 foot wide vein	0.14		.016	11.59
1477	Chip sample across 1.5 feet of altered granite zone and 4" quartz vein cut by road - shows galena globs.		0.42	.008	3.90
1482	Several pieces of vein material from face of Adit, vein is 1.5 ft. wide.			.012	0.83

Union Claim:

1478	Grab sample of sorted material from vein structure along side of shaft	0.15	1.46	.008	31.02
1479	Chip sample of 2.0 foot wide vein material on south wall of shaft 10 feet below collar.		0.14	.012	2.30
1480	Chip sample of 2.0 foot wide vein material on north wall of shaft 4 feet above bridged timber in shaft		0.14	.054	8.35
1481	Chip sample of 2.0 foot wide vein near face of north drift about the 30 foot level.			Tr.	6.78

Assay results of the samples and the writer's personal visual observance of the geologic structures confirm these structures to be mineralized to a degree and places the property in the classification of a "Prospect" which would require development by one or several methods of exploration to physically prove - block out - a mineralized body that could be mined, a saleable product produced and a profit made on the operation.

EXPLORATION REQUIREMENTS:

Before financial investments are made in the direction of mining equipment, etc., monies should be spent in the direction of exploration and the proving of an ore body worthy of mining and

milling if necessary and/or warranted.

The suggested required exploration would be a two phase program: (1) detailed sampling and underground geologic mapping of the Union-Franklin structure and (2) surface diamond drilling to intersect the structure in areas lacking information.

The Union-Franklin structure is the most prominent and the most likely to be sufficiently mineralized to host an "ore body." The 90 foot inclined shaft on the Union and the two Adits on the Franklin are on the same structure. At the present, a portion of the Union shaft has been bridged by caved shaft timbers and the lower, longer Adit portal has caved and is accessible only by crawling through a small opening. It is reported this lower Adit is 1500 feet long - assumed to be driven on the structure its full length, as well as having some stopes.

Because of the above mentioned facts, the writer suggests that the first phase of exploration should include the following:

- (1) Extend the access road from the Union shaft to the lower Franklin Adit on Turkey Creek.
- (2) Clean portal of lower Franklin Adit and timber to prevent further sloughing and closing of Adit portal.
- (3) Check entire working for bad air - if bad, install air line and exhaust the bad air.
- (4) Properly and professionally sample the full length of the working at five foot intervals. Also sample any stopes, raises, winzes or any other workings.
- (5) Cause to have "the workings" professionally geologized.
- (6) Cause to have the sample results and geological work to be evaluated jointly.

If the evaluation is favorable, proceed with Phase II, a diamond drilling program, the amount of drilling to be completed would be determined by the favorability of the aforementioned evaluation.

No work on the Union shaft or other areas should be considered at this time.

EXPLORATION EXPENDITURES:

The suggested Phase I exploration includes four major costs: road building, Adit portal cleanup and timbering, professionally directed sampling and professional geological mapping.

Estimated costs for this program could be:

Road building	\$ 4,000.-
Adit portal cleaning & timbering	1,000.-
Sampling & assaying (350 X 15)	5,500.-
Geological mapping	1,200.-
15% contingencies	<u>1,755.-</u>
Total estimated expenditure for Phase I program	\$13,455.-



A Phase II program of 1500 feet of diamond drilling, sampling and assaying and professional guidance could be in excess of a \$50,000.- expenditure.

ORE RESERVE:

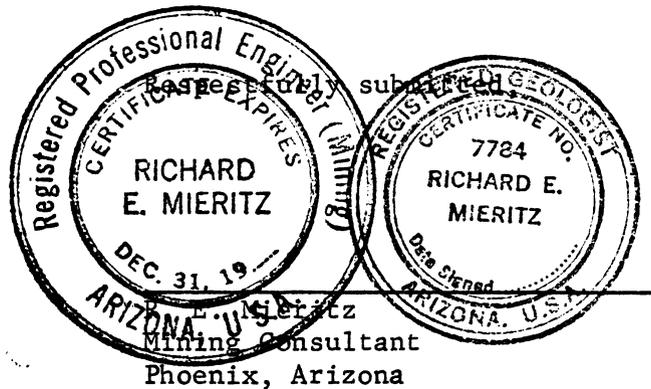
In the opinion of the writer - the property is considered a Prospect at this time. At this time also - no ore reserve exists.

Successful completion and an encouraging evaluation of the results could well indicate an "ore reserve" of some 10,000 tons (less stoped volumes) as a triangular block 1200 feet long, 100 feet high (base) and a 2 foot width (vein) between the Union Shaft collar and the Portal of the Franklin lower Adit. A volume factor of 12 cubic feet to the ton is used.

The assay results of the samples taken by the writer tend to indicate the strength of mineralization of the structure could contain an average of 10.0 ounces silver, 0.02 ounces of gold, 0.10% copper and 0.50% lead. Dollar-wise, at today's prices, this would be an ore of \$50.00 for silver and \$4.00 for gold - total \$54.00. These figures, as well as the tonnage figure are inferences at this time and point. Completion of the suggested exploration could revise the tonnage and grade figures either way - up or down.

RECOMMENDATIONS:

The Phase I and Phase II explorations should be completed and evaluated before any consideration is given to the mining phase of this property.



November 16, 1978

**IRON KING ASSAY OFFICE  
ASSAY CERTIFICATE**

BOX 14 - PHONE 632-7410  
HUMBOLDT, ARIZONA 86329



ASSAY  
MADE  
FOR

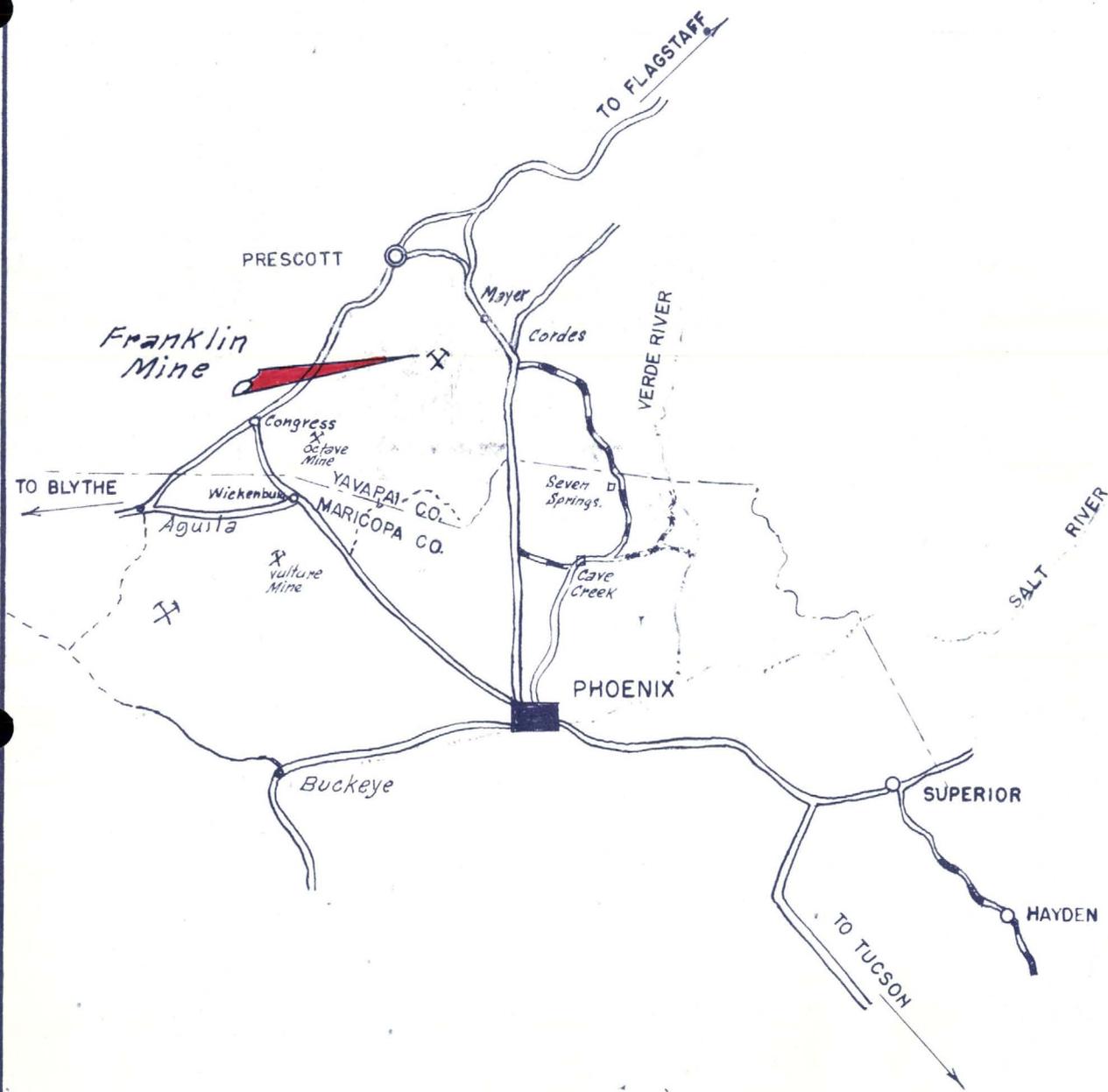
Richard E. Mietitz  
2940 N. Casa Tomas  
Phoenix, Ariz. 85016

Nov. 16, 1978

Ref no.	DESCRIPTION	oz/ton Au	oz/ton Ag	% Fe	% Pb	% Zn	% Cu
811-10-1	#1476	.016	11.59				0.14
811-10-2	#1477	.008	3.90		0.42		
811-10-3	#1478	.008	31.02		1.46		0.15
811-10-4	#1479	.012	2.30		0.14		
811-10-5	#1480	.054	8.35		0.14		
811-10-6	#1481	Tr	6.78				
811-10-7	#1482	.012	0.83				

CHARGES \$68.75

ASSAYER \_\_\_\_\_



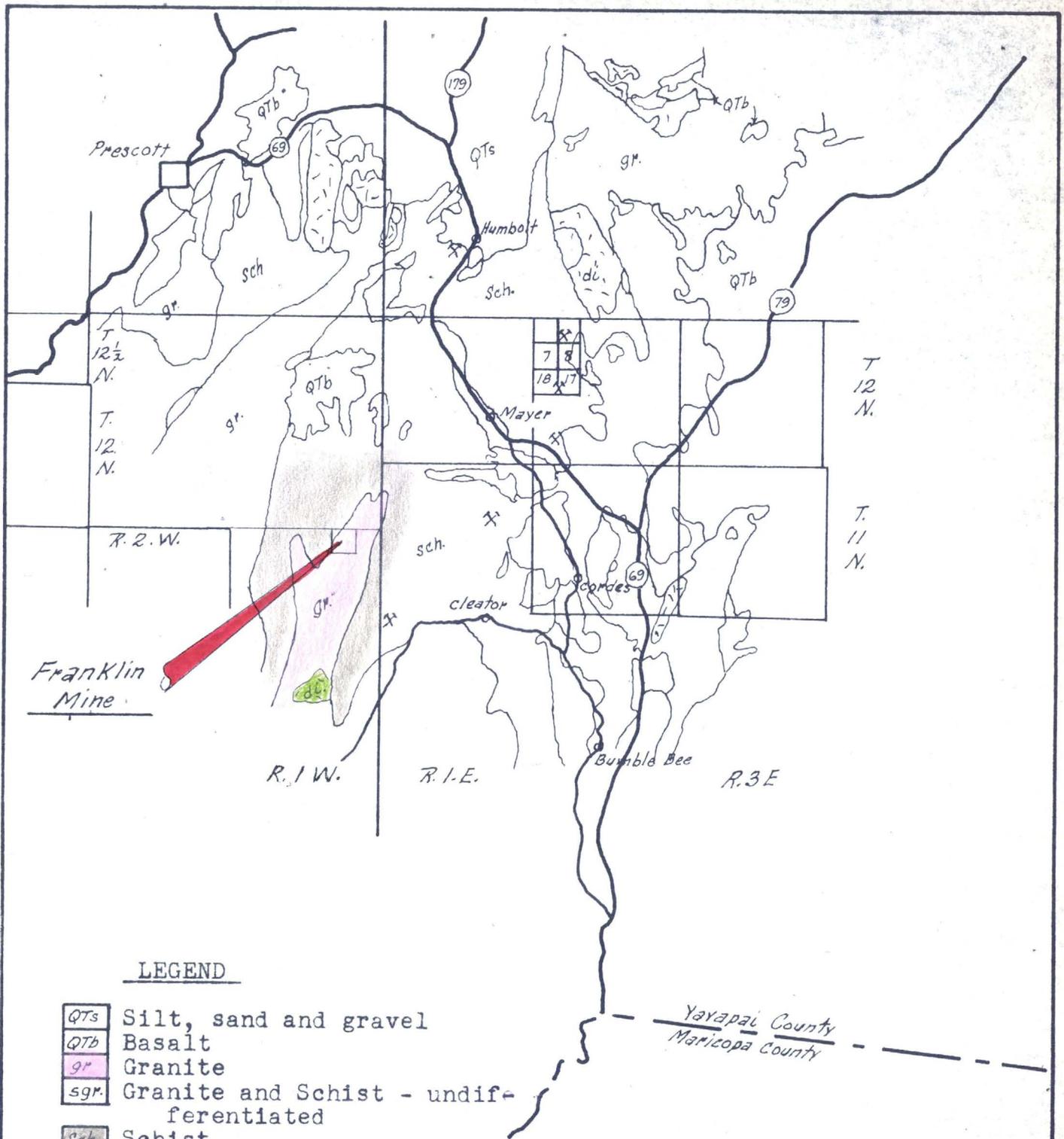
*R. E. Mieritz*

66

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R.E.M.*

INDEX MAP  
CENTRAL ARIZ.  
SCALE: 1" = 27 MI.  
R.E. MIERITZ, P.E. MAR., 1962  
MAP N.º 1

A-23



LEGEND

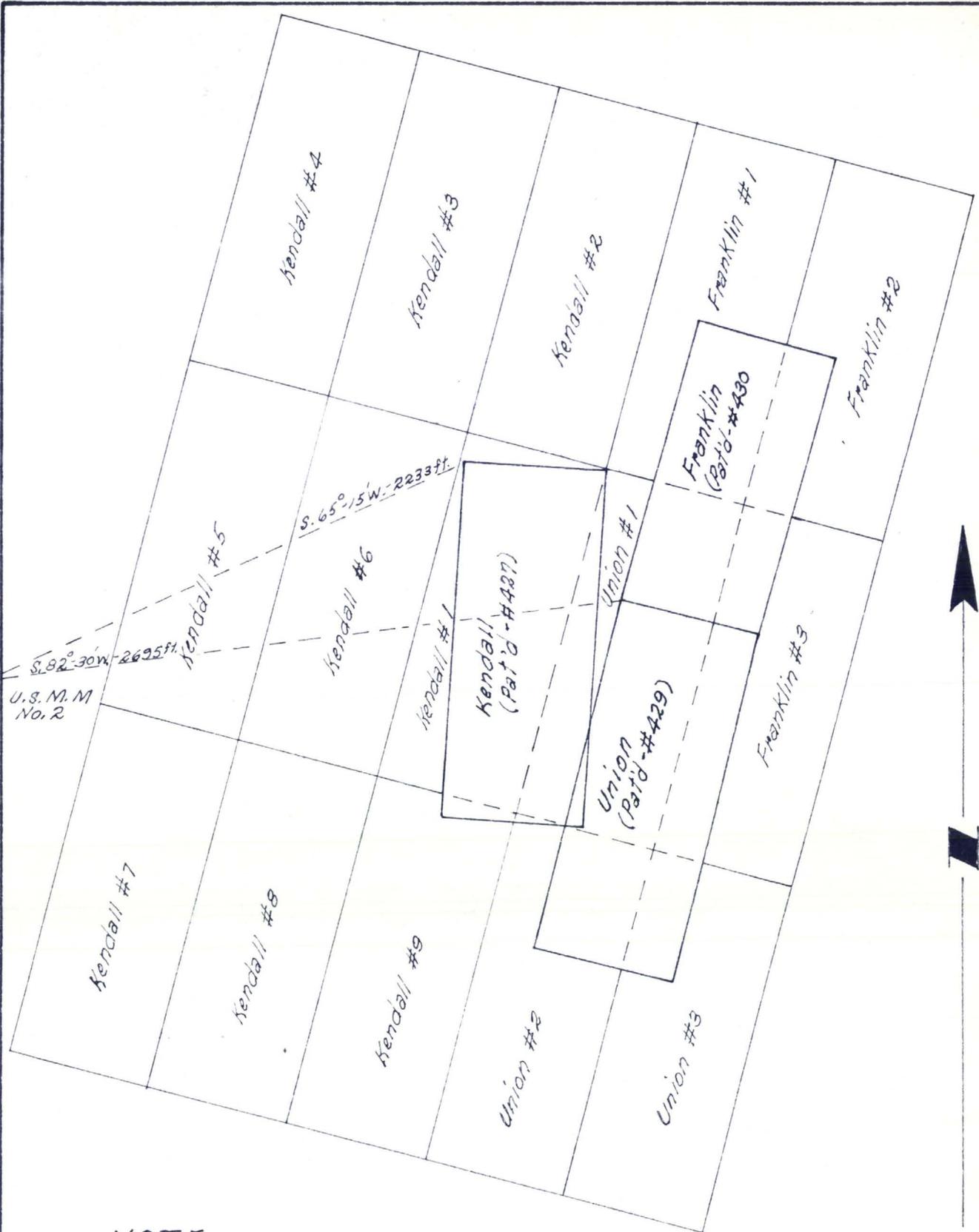
- QTs Silt, sand and gravel
- QTb Basalt
- gr Granite
- sgr Granite and Schist - undifferentiated
- Sch Schist
- dl Diorite porphyry

GEOLOGIC MAP  
 Portion of  
 Yavapai County, Arizona  
 Scale: 1" = 6 miles

Feb., 1969

R.E. Mieritz

Map 2



NOTE

Claims in unsurveyed territory,  
 but by projection should be in  
 Sec. 2 (west half), T. 11 N., R. 2 W.,  
 Yavapai County, Arizona.

CLAIM MAP  
 FRANKLIN MINE GROUP  
 Turkey Creek Mining District  
 Yavapai County, Arizona  
 SCALE: 1" = 600 Feet  
 Nov., 1978 R. E. Mieritz



**IRON KING ASSAY OFFICE  
ASSAY CERTIFICATE**

BOX 14 — PHONE 632-7410  
HUMBOLDT, ARIZONA 86329



ASSAY  
MADE  
FOR

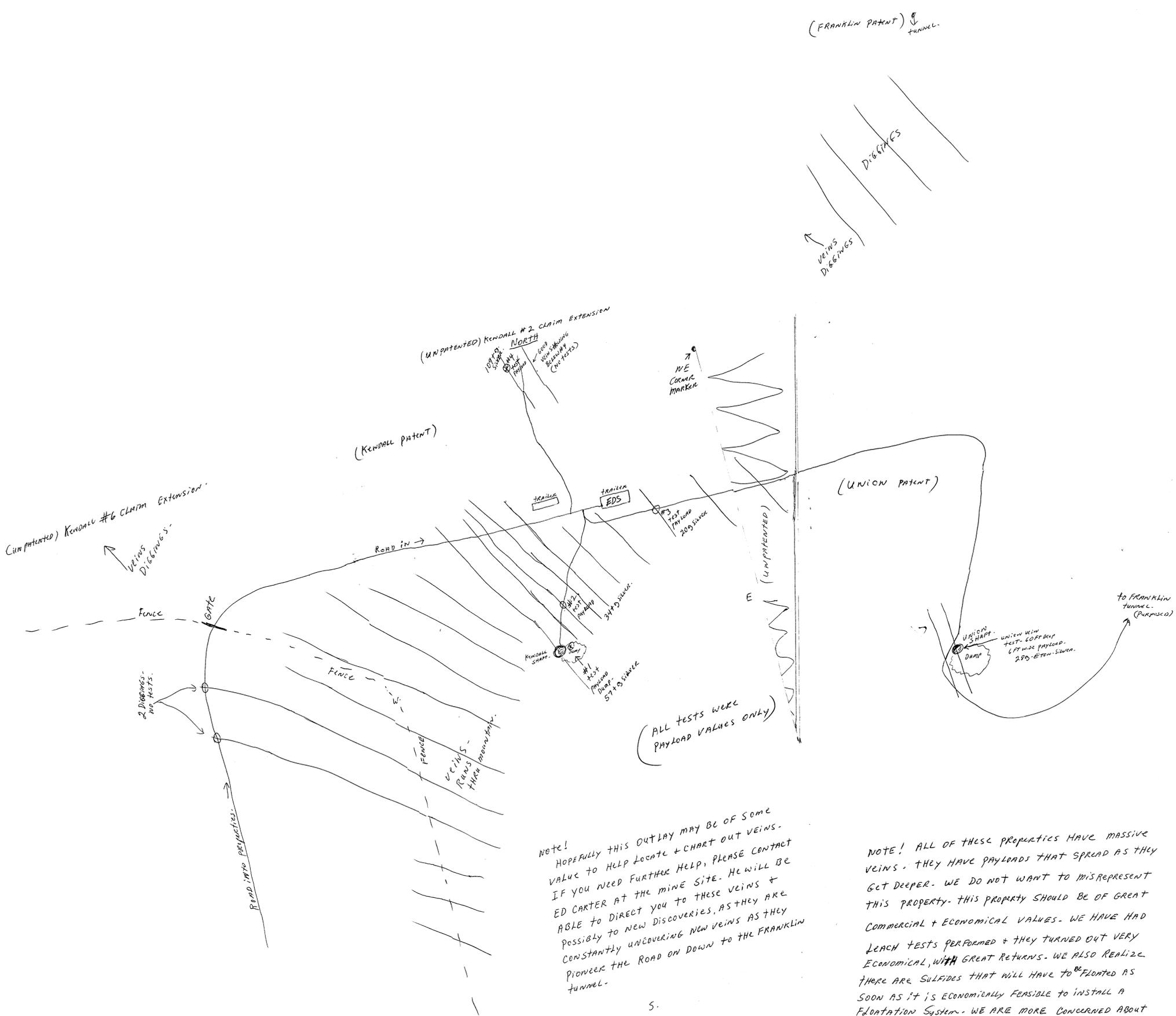
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811-10-6	#1481	Tr	6.78				
811-10-7	#1482	.012	0.83				

CHARGES \$68.75

ASSAYER \_\_\_\_\_



NOTE!  
HOPEFULLY THIS OUTLAY MAY BE OF SOME  
VALUE TO HELP LOCATE + CHART OUT VEINS.  
IF YOU NEED FURTHER HELP, PLEASE CONTACT  
ED CARTER AT THE MINE SITE. HE WILL BE  
ABLE TO DIRECT YOU TO THESE VEINS +  
POSSIBLY TO NEW DISCOVERIES, AS THEY ARE  
CONSTANTLY UNCOVERING NEW VEINS AS THEY  
PIONEER THE ROAD ON DOWN TO THE FRANKLIN  
TUNNEL.

NOTE! ALL OF THESE PROPERTIES HAVE MASSIVE  
VEINS. THEY HAVE PAYLOADS THAT SPREAD AS THEY  
GET DEEPER. WE DO NOT WANT TO MISREPRESENT  
THIS PROPERTY. THIS PROPERTY SHOULD BE OF GREAT  
COMMERCIAL + ECONOMICAL VALUES. WE HAVE HAD  
LEACH TESTS PERFORMED + THEY TURNED OUT VERY  
ECONOMICAL, WITH GREAT RETURNS. WE ALSO REALIZE  
THERE ARE SULFIDES THAT WILL HAVE TO BE FLOATED AS  
SOON AS IT IS ECONOMICALLY FEASIBLE TO INSTALL A  
FLOTATION SYSTEM. WE ARE MORE CONCERNED ABOUT  
THE POSSIBLE ESTIMATED TONNAGE ON THE PROPERTIES OF  
COMMERCIAL VALUES, NOW, MORE THAN PROCESSES.

THANKS  
Joe Kippes

4.4 - 2.65 70857

Sam Schiratz - 846-9039  
Fred Babineau  
Joe Kipp  
Bill Kipp - owner  
Babineau - stud.

Ⓡ	-	928.3	
Goodwin	-	40.5	
Battle Lake Jet		43.5	
1st Jet		45.0	
Camp		46.7	18.4 miles.

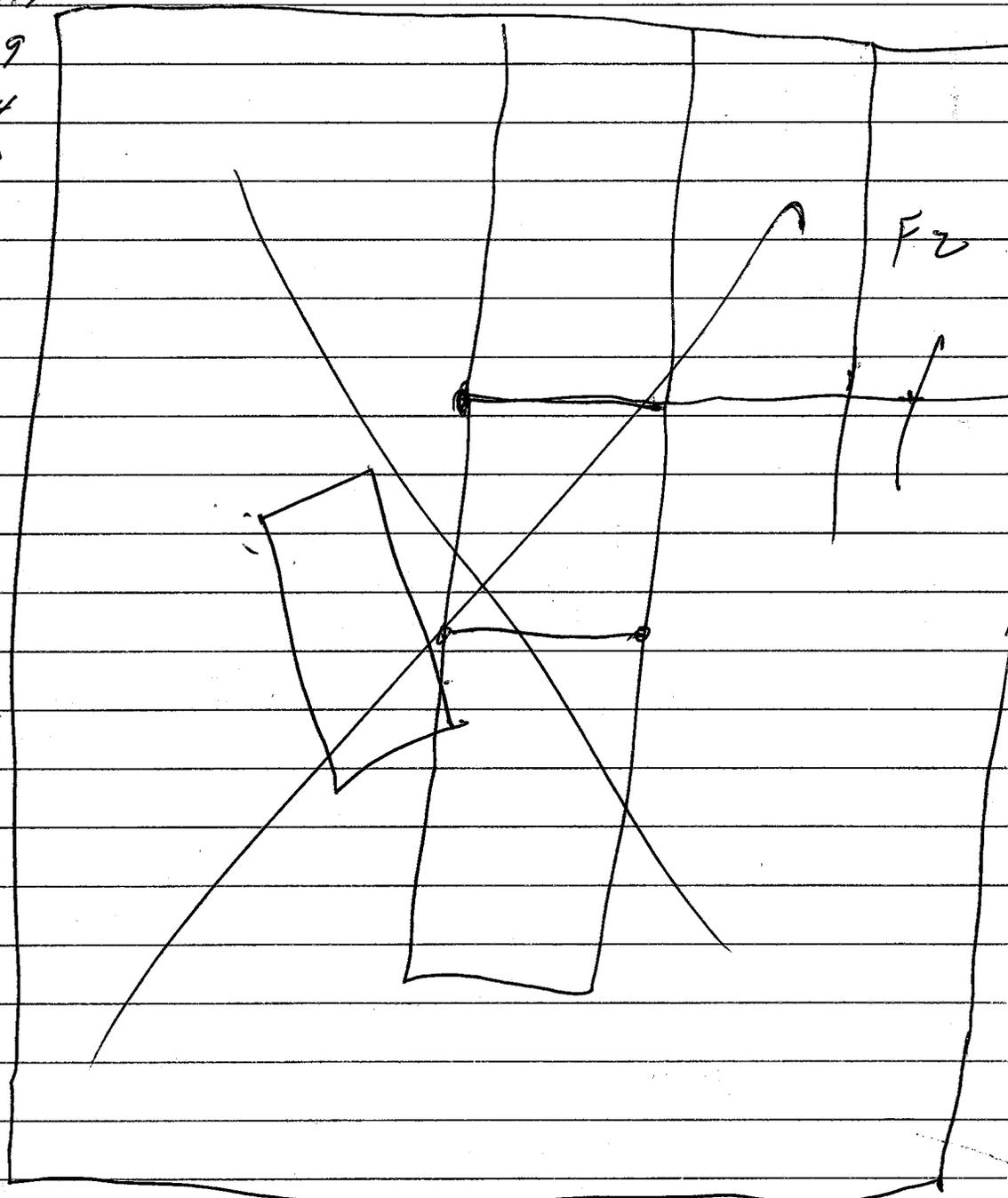
3718 W Latham 272-5439

camp	246.7
Jet	47.9
Jet	48.4
1st Jet	49.9
Mayer Jet	52.9
Mayer	64.9
Rhy	<u>38.8</u>

63.9

928.3
62.9
<u>65.4</u>

0.39
86.5
<u>174</u>
186



Harry Faulkner →  
A. J. →  
Adelung -

$$\frac{500}{100} = 5'' \times 5''$$

$$\frac{3000}{1500} = 6''$$

