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## EXCERPTS FROM THE REPORT OF

Major Horace M. Russell

April 1901.

On the Claims of the Cedar Valley Gold & Silver M. Co.

"The east ledge on the Arnold claim has the most development work done on it.

The main shaft has been sunk to a depth of 200 feet. On the 100 ft. level drifts have been run from the shaft 70 ft. northwest and 400 ft. southeast on the ore chute. On account of water I could not get to the bottom of the main shaft.

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length and 160 ft. deep and 2 ft. thick. 12 cu. ft. of this heavily mineralized ore is sufficient to a ton.

This gives an ore reserve of 27,000 tons. The value of all ore mined having been proved in the way it has, as stated above to be over \$80.00 per ton I feel safe in estimating the net value of the 27,000 tons to be \$50.00 per ton. This would make ore in sight valued at more than one and a quarter million dollars. It is highly important to state in this connection that we make no estimate of ore in the large or foot wall vein from the fact that only croppings appear. I am informed that this ledge in the adjoining claims both on the south and on the north have been penetrated by shaft on one claim 40 feet and on another 100 ft. and that both claims have yielded ore valued over \$200 per ton. So while it is possible this large ledge upon the Arnold mine may to the same depth as the other is estimated produce even greater values than the one estimated, yet as it has not been proven by penetration I have given no estimate of its value. This ledge appears to me to have wonderful possibilities and I recommend that work be done on it.

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On the 100 ft. level the ore chute extends for a distance of 320 feet to the southeast from the shaft and 80 feet to the northwest. This chute has an average width of 18 inches of first class ore, besides the milling ore lying alongside which has a width of two to three feet additional.

Samples taken along this ore chute on the 100 ft. level gave the following results:

Number 1 32.2 oz. Silver 0.24 oz. gold - - \$37.00.

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Number two was a part of the pay streak from northwest of the shaft.

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I could only explore about 30 feet on each side of the shaft on the 200 ft. level on account of the drift being filled with debris but the ore showed the same characteristics as in the 100 ft. level and the vein showed much wider.

This vein is exceedingly strong and can be easily traced for a distance of two miles on the surface. It has a dip of about 60 degrees with walls of Diorite. The hanging wall being especially even and very hard. This fact is fortunate as it will enable you to mine the ore at a comparatively small expense for mine timbering.

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The Queen vein runs parallel to the Arnold and at a distance of from 100 ft. to 150 ft. to the west at the Arnold shaft. This vein is also in diorite. On the surface these two veins seem to come together on the Hubbard claim about three thousand feet to the southeast.

The Queen seems to be a stronger vein than the Arnold but with less development. One shaft has been sunk to a depth of 140 ft. but is caved and could only be examined to a depth of about 60 ft. I am informed that the full width of the bottom of the shaft is in good grade ore. The ore in sight and on the dump is certainly of very good grade as the assay value of several samples shows 145.2 oz. silver and 0.82 oz. gold \$161.60. This ore shows a very heavy sulphide. There has been a large amount of surface work done on both veins of this claim by chloriders, who I am informed mined and

shipped a large amount of very rich ore, which the workings would indicate.

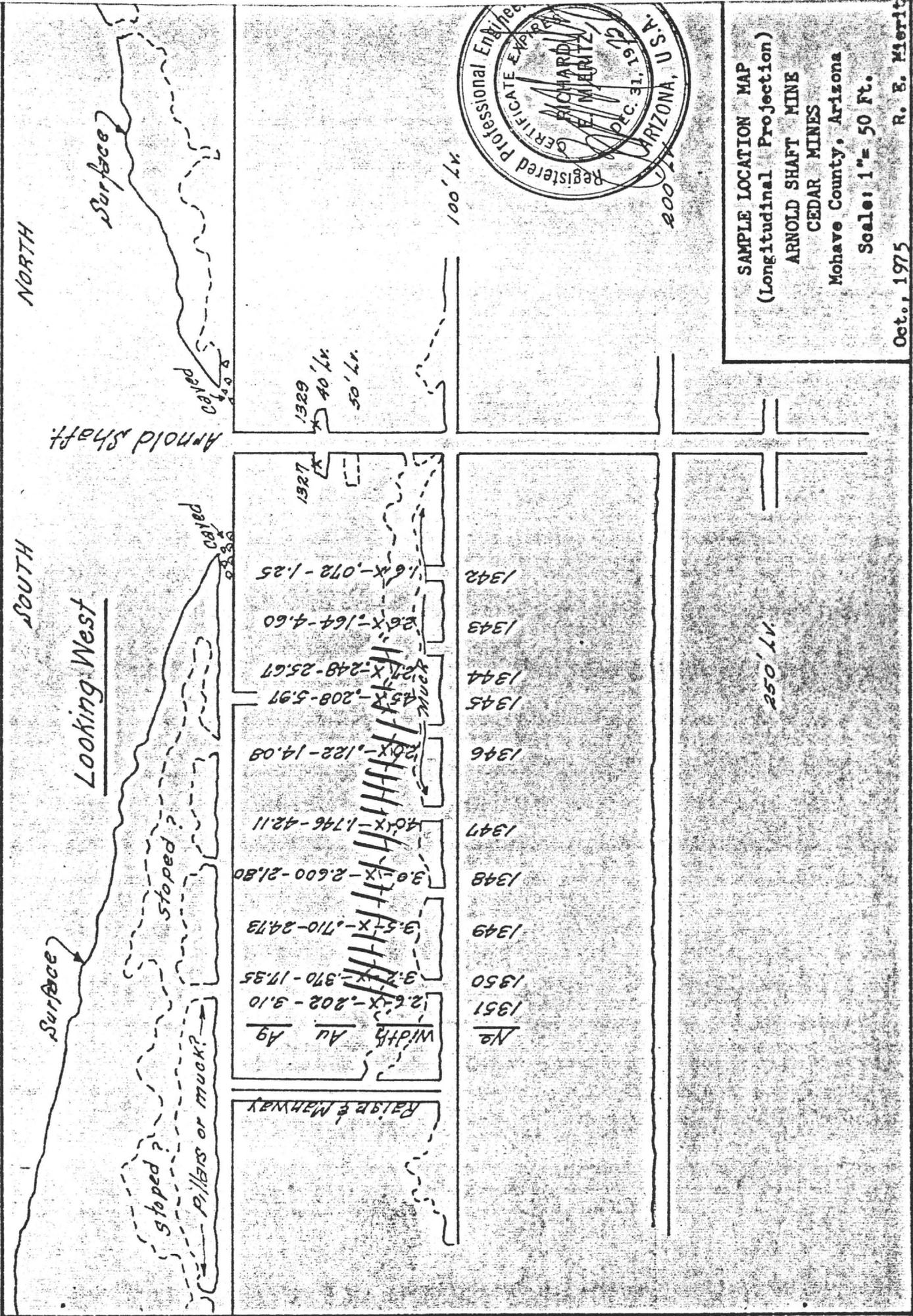
Samples taken from the ledge several hundred feet northwest of the shaft gave:

72.0 oz. silver	0.16 oz. gold	\$75.20.
31.4 oz. silver	0.15 oz. gold	\$34.40.
47.2 oz. silver	0.06 oz. gold	\$48.40.
30.4 oz. silver	0.36 oz. gold	\$37.60
57.4 oz. silver	0.08 oz. gold	\$59.00.

From the amount of croppings in sight and the ore blocked out in the Arnold mine I believe you have sufficient ore of good grade in sight to operate the 15 stamp mill that is on the property for a number of years and from my observation there should not be any trouble in extracting a high percentage of the values.

Both the Queen and Arnold are strong, powerful veins and have every indication of being true fissures. In conclusion I want to say that you have a very fine proposition and there is no question in my mind, that properly handled you will make a great financial success.

# Cedar Mines



NORTH

SOUTH

Surface

Looking West

Surface

Arnold Shaft

stoped?

stoped?

Pillars or muck?

Caved

Caved

Raise & Manway

Width Au Ag

12.6' x .202 - 3.10

3.7' x .370 - 17.35

3.5' x .710 - 24.73

3.0' x - 2.600 - 21.80

4.0' x - 1.746 - 42.11

5.0' x - 1.22 - 14.08

4.5' x - 2.08 - 5.97

2.7' x - 2.48 - 25.67

2.6' x - 1.64 - 4.60

1.6' x - .072 - 1.25

No

1351

1350

1349

1348

1347

1346

1345

1344

1343

1342

1327

629

40' Lv.

50' Lv.

100' Lv.

250' Lv.



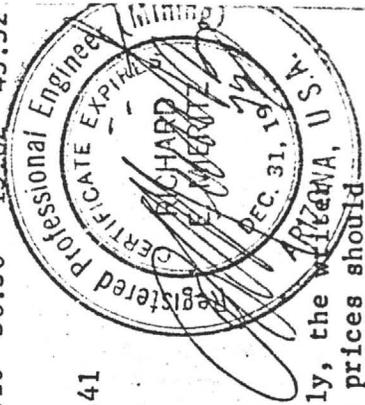
SAMPLE LOCATION MAP  
 (Longitudinal Projection)  
 ARNOLD SHAFT MINE  
 CEDAR MINES  
 Mohave County, Arizona  
 Scale: 1" = 50 Ft.

Oct., 1975 R. B. Mieritz

MAD 118

SAMPLE SCHEDULE  
100 South Stope - Arnold Shaft

Sample Number	Sample Length	Sample Description	Ounces per ton			Dollar Value	
			-Gold	Silver	Gold	Silver	Total
1342	1.6 Ft.	Across back, 50 feet south of shaft wall, quartz fractured, quite soft, moderate Py, some Cpy, Pbs., limonites.	0.072	1.25	10.80	5.25	16.05
1343	2.6 Ft.	Across back, 70 feet south of shaft wall, clear and milky quartz, fractured, some Py, Cpy, brownish limonites, somewhat vuggy.	0.164	4.60	24.60	19.32	43.92
1344	2.7 Ft.	Across back, 90 feet south of shaft wall, milky quartz, (6-8") on F.W., sugary quartz balance with some altered Gr., moderate to strong Py with some Cpy, brown to red limonites.	0.248	25.67	37.20	107.81	145.01
1345	4.5 Ft.	Across back, 100 feet south of shaft wall, 2.5 feet quartz in center between Foot and Hanging walls, balance altered Gr., but mineralized. quartz fractured, sugary, Py, Cpy some limonites.	0.208	5.97	31.20	25.07	56.27
1346	2.0 Ft.	Across back, 120 feet south of shaft wall, 8" quartz in center, gouge foot and hanging walls, balance quartz and Gr., fractured, wet, some Py, Cpy and Pbs, possibly some manganese.	0.122	14.08	18.30	59.14	77.44
1347	4.0 Ft.	Across back, 150 feet south of shaft wall, mostly quartz, some gouge and altered Gr. much Py, some Cpy and brown to red limonites, black, non-metallic mineral in quartz.	1.746	42.11	261.90	176.86	438.76
1348	3.0 Ft.	Across back, 170 feet south of shaft wall, 12 to 14 inches quartz in center and to Hanging wall with gouge on both walls. Some Py, Cpy and AgS (argentite). Some brownish limonite.	2.600	21.80	390.00	91.56	481.56
1349	3.5 Ft.	Across back, 190 feet south of shaft wall, milky veinlets of quartz with altered Gr. between, hard, some sugary quartz, some Py, Cpy and some yellow to brown limonite.	0.710	24.73	106.50	103.87	210.37
1350	3.2 Ft.	Across back, 210 feet south of shaft wall, strong Py in quartz and Gr. Quartz veinlet thins and expands, some moderate limonite some Py, Cpy. Quartz near footwall.	0.370	17.35	55.50	72.87	128.37
1351	2.6 Ft.	Across back, 220 feet south of shaft wall, 8" white quartz on footwall, balance as black quartz and some quartz-Gr. breccia with thin quartz stringers. Footwall is diorite, Gr. Hanging. Check sample of the mineralized material gathered by the workmen as a metallurgical sample to be sent to Long Beach, Calif. Contained clear to milky quartz, altered Gr., Py, Cpy, Pbs and AgS.	0.202	3.10	30.30	13.02	43.32
1352			0.930	24.41			



Gold price calculated on basis of \$150.00 per ounce.  
Silver price calculated on basis of \$4.20 per ounce.  
At the present time, gold and silver prices are fluctuating from day to day, consequently, the prices should settle down close to the prices used.

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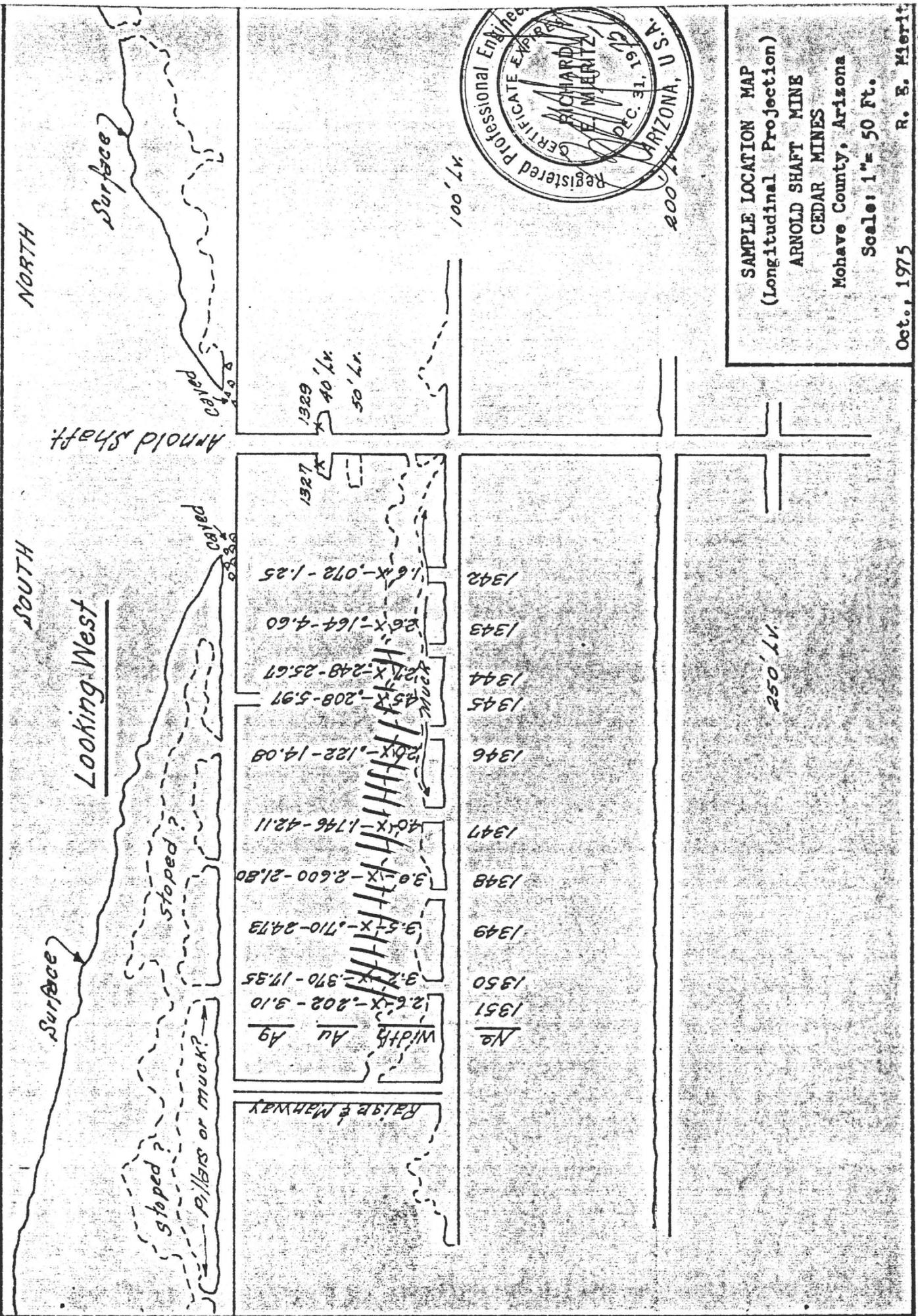
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# Cedar Mines



NORTH

SOUTH

Looking West

Surface

Surface

Arnold Shaft

Stoped?

Stoped?

Pillars or muck?

CAVED

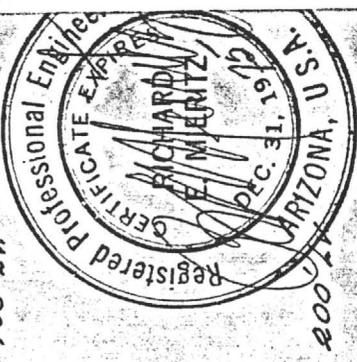
CAVED

Rail & Highway

No	Width	Au	Ag
1351	12.6'	X-.802	-5.10
1350	3.7'	X-.370	-17.35
1349	3.5'	X-.710	-24.73
1348	3.0'	X-2.600	-21.50
1347	4.0'	X-1.746	-42.11
1346	2.0'	X-.122	-14.08
1345	4.5'	X-.208	-5.97
1344	4.2'	X-2.48	-25.67
1343	2.6'	X-.164	-4.60
1342	1.6'	X-.072	-1.25

1329  
40' W  
50' Lr

100' W



SAMPLE LOCATION MAP  
(Longitudinal Projection)  
ARNOLD SHAFT MINE  
CEDAR MINES  
Mohave County, Arizona  
Scale: 1" = 50 Ft.

Oct., 1975 R. E. Mieritz

MAD-110

*Cedar Mtns Dist.*

ZONE PETROLEUM CORPORATION

FLEETWOOD PETROLEUM CORPORATION

SIX PRIME TARGETS OUTLINED - Six prime exploration targets have been established by  
ON SILVER LEAD ZINC CLAIMS recent induced polarization, soil sampling and rotary drilling  
on the Copperville silver-lead-zinc property under joint venture  
development by Zone Petroleum Corp. and Fleetwood Petroleum Corporation. The property is  
in Mohave county, 15 miles NW of Wikieup, Arizona..

The first phase of the current program is 4,000 feet of diamond drilling in a series  
of 8 to 10 holes to develop the main mineralized zone between the 200 and 400-foot levels. The  
Main zone, which was drilled to 200 feet, has established modest reserves grading approximately  
5 oz. per ton plus 7% combined lead-zinc. The current drilling is to test the strike, width,  
rake, and grade of the mineralized zones. Substantial tonnage of higher grade ore is possible  
if the postulated supergene zone is present. To date, more than 4000 feet of mineralized zone  
have been indicated by mapping and geophysical surveys.

Some 50 feet north of the Main zone, the I.P. survey located a parallel structure now  
confirmed by preliminary soil sampling and prospecting. Some 1500 feet north of the Main zone,  
another strong anomalous zone has been detected at depth by the I.P. survey. Geochemical  
sampling will be conducted to determine this zone's extent. Additional claims have recently  
been staked to cover possible extensions to the new targets.

Zone can earn 50% interest in the property by spending \$300,000 U.S. on its exploration.  
Further expences are to be shared equally with Fleetwood.

FLEETWOOD PETROLEUM CORPORATION

ASSAYS AWAITED FROM ARAZONA DRILL PROGRAM - The first drill holes have been completed and  
the samples have been sent in for assay in  
the initial phase of an exploration program on the Siamese Copperville mine of Fleetwood  
Petroleum Corporation. The program on the nine patented claims located 15 miles northwest  
of Wikieup in Mojave county, Arizona, has been designed to confirm and extend four ore  
shoots indicated by previous development work to contain five ounces of silver per ton,  
6.9% combined lead-zinc, 0.25% copper and low gold values.

Preliminary indications from visual examination of the drilled material are encouraging  
Assay results are awaited. Drilling is continuing.

Examinations of the old workings indicate that a substantial portion of the two  
shafts and over 5,000 feet of drifts and crosscuts can be rehabilitated at low cost since  
they are still in good condition.

The telephone number at the Fleetwood office is (area code 206)455-1160.

FLEETWOOD PETROLEUM CORPORATION

NEW TARGET - A new anomalous target has been located by induced polarization survey on the  
LOCATED Copperville mine property of Fleetwood Petroleum Corporation located in Mohave  
county, 15 miles northwest of Wikieup, Arizona. The target has been located over  
a 3,500 foot strike length approximately 50 feet from and parallel to the Main mineralized  
structure. Surface trench sampling of the new zone has returned gold and silver values. Fur-  
ther sampling and check assaying are now underway. Drilling on the Main zone has established  
reserves of 200,000 tons grading approximately 5 oz. silver per ton and combined lead/zinc in  
excess of 7% in four ore shoots. These reserves are to a depth of 200 feet below surface.  
The induced polarization survey indicates that these ore shoots continue to substantial addi-  
tional depth. Further drilling on each shoot is being designed.

The property is under joint venture development with Zone Resources Inc. whereby Zone can  
earn a 50% interest in the property by spending \$300,000 U.S. funds on the property work. Ex-  
penditures in excess of the initial \$300,000 are to be on a 50-50 basis.

