CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

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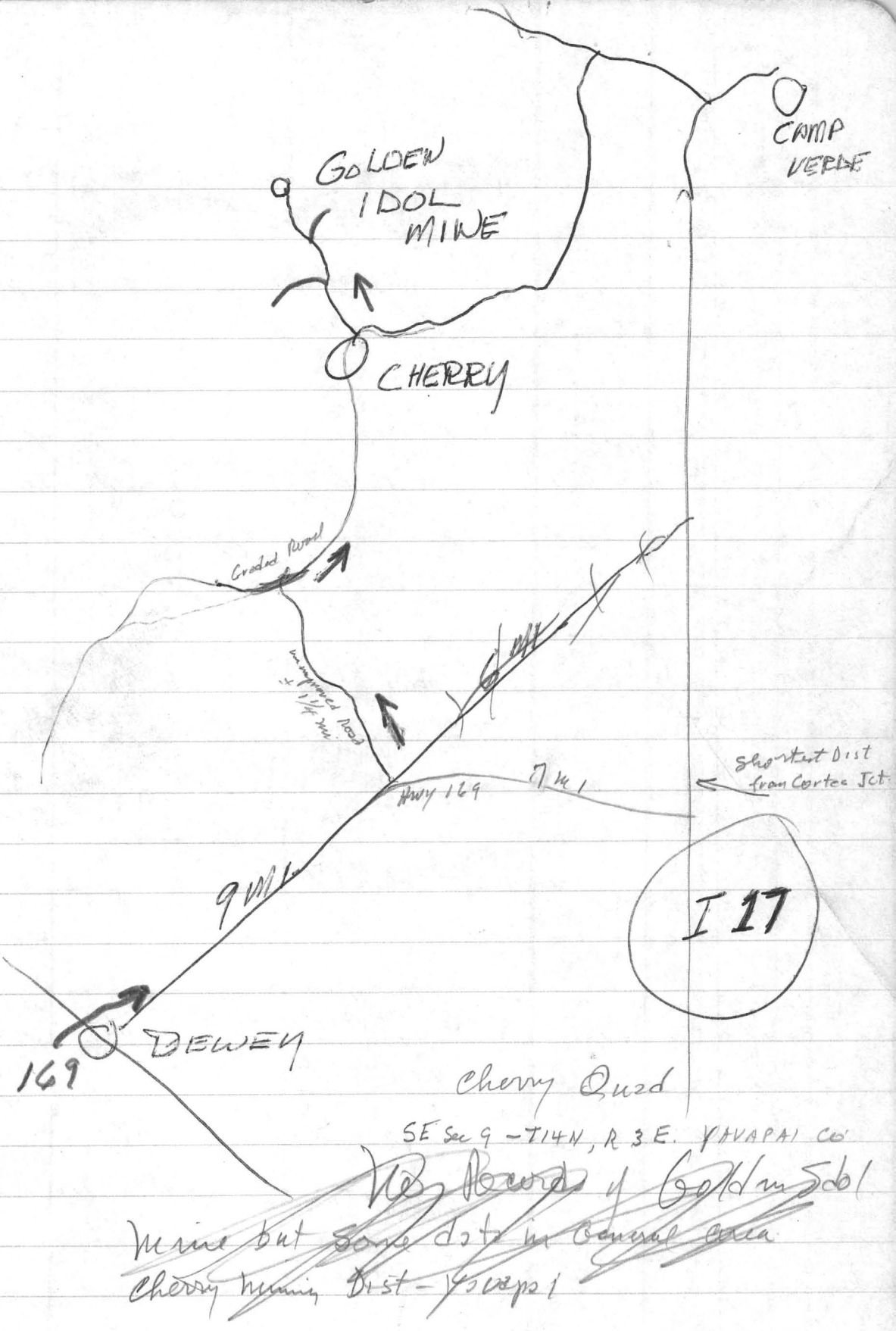
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Cherry Quad

SE Sec 9 - T14N, R 3E. YAVAPAI CO

No Records of Golden Idol Mine but some dots in General area Cherry Mining Dist - Yavapai

Two Shafts

SW side of Black Hills

Turn off Hwy 169 @ Hackberry Wash About 9-10 mi. E. of Dewey TURN N 6 mi. from Hwy 169 Cor ± 1½ miles of unimproved Road to Cherry

ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.
817 WEST MADISON ST. PHOENIX, ARIZONA 85007 PHONE 254-6181

For Mr. Bob Schoose
724 South Stapley
Mesa, Arizona

Date October 25, 1974

Sample of Ore

Received: 10-23-74

Submitted by: same

ASSAY CERTIFICATE

Gold figured at $ 200.00 per ounce

Silver figured at $ 5.00 per ounce

LAB. NO.	IDENTIFICATION	GOLD		SILVER		PERCENTAGES	
		OZ. PER TON	VALUE	OZ. PER TON	VALUE		
8022	Main Shaft 1st level	0.68	$136.00				
	2nd level stope	0.95	$190.00				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean

Claude E. McLean, Jr.

ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.
815 WEST MADISON STREET PHOENIX, ARIZONA 85007 PHONE 254-6181

For Mr. R. Schoose
724 South Stapley
Mesa, Arizona

Date February 26, 1975

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
8880	Table Top	2.90	1.45				
	Tailing	0.09	0.10				

Respectfully submitted,
ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Arizona Testing Laboratories

815 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For Golden Idol Mines
724 South Stapley
Mesa, Arizona 85204

Date September 16, 1977

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
5147	Water Fall	0.17					
	Tailing Wash	0.19					
	After tailing and waterfall connect	0.25					

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

PRODUCT DEVELOPMENT CHEMICAL ANALYSIS APPLIED RESEARCH

ARC LABORATORIES

Division of Arizona Research Consultants, Inc.

9236 NORTH 10TH AVE. P.O. BOX 9275 602 943-3573

PHOENIX, ARIZONA 85068

DATE December 11, 1978

LAB No. 17333-4

Bob Schoose
724 South Stapley
Mesa, Arizona 85204

RESULTS

Lab No.	Chemical Uranium, % as U_3O_8	Gold, oz/T
17333	0.011	--
17334	--	0.17

Respectfully submitted,
ARC LABORATORIES

John P. Sickafoose, Ph.D.
Technical Director

As a mutual protection to clients, the public and this corporation, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from this corporation.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For Mr. William Elkins Date December 19, 1979

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
3431	1 load	0.03	7.6				
	3 mine	0.69	1.4				
	3 vein	0.05	0.35				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO.
6258
CLAUDE EUGENE
McLEAN, JR.
Date Signed 12-19-79
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For HAROLD SAWYER
Bill's Welding Shop
4001 East Madison
Phoenix, Arizona 85034

Date August 25, 1980

B & B

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
7463	Golden Idol No Mark 100' E BUNK HOUSE Vert 20" W E&W at Bob Let assay from Walt Stattler of 1,47 Fire. 9/26	0.01	27.				

access work L Bank on E. 400'
W. of #1 600'

Respectfully submitted,
ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 8/28/80
ARIZONA, U.S.A.

PRODUCT DEVELOPMENT CHEMICAL ANALYSIS APPLIED RESEARCH

ARC LABORATORIES

Division of Arizona Research Consultants, Inc.

9236 NORTH 10TH AVE. P.O. BOX 9845 602/943-3573

PHOENIX, ARIZONA 85068

January 11, 1979

Mr. Bob Schoose
724 S. Stapley
Mesa, Arizona 85204

Dear Mr. Schoose:

This is to formalize our quote on the coarse ore column studies for cyanide leaching of your gold ore.

The study will include:

1). Lime and/or caustic consumption to bring the ore up to and maintain the pH above 10.5, possibly up to pH 11.0.

2). Sodium cyanide consumption vs. the amount of gold recovered.

3). Pumping rates used and

4). Ratio of solution volume to ore tonnage.

5). Gold recovery vs. time of leaching.

The report will not include any information on removal of gold from the solution into charcoal or further purification of it. That work can be done as an additional project if you choose later. Design of the pads, permits for the operation will be your responsibility.

The use of cyanide is hazardous, particularly to those unfamiliar with it. We assume no responsibility beyond the accuracy of our work, for the total amount of our invoice.

We will hold the two buckets of ore and wait for your answer. If you choose to not work the property, we may be able to locate someone to do so. I look forward to hearing from you.

Very truly yours,

John Sickafoose

John P. Sickafoose, Ph.D.
Technical Director

JPS/cn
Enclosure

PRODUCT DEVELOPMENT APPLIED RESEARCH

ARC LABORATORIES

Division of Arizona Research Consultants, Inc.

9236 NORTH 10TH AVE. PHOENIX, ARIZONA 85021 943-3573

FOR: Bob Schoose
724 S. Stapley
Mesa, Arizona 85204

DATE January 11, 1979

LAB No. 17334

RESULTS

Description: Dump

Gold, Troy oz/T 0.17

This report describes testing done for alkalinity and cyanide requirements on a preliminary gold recovery leach done in the laboratory.

Mesh size of ore = 100% minus 100 mesh
Ore slurry PH as received 8.10
Theoretical alkalinity requirements - 1.5 lbs. caustic soda/T
Theoretical Sodium Cyanide requirements - 1.23 lbs/T
Gold recovery at the above Cyanide and Caustic usage - 59.2%

The leach was done in a closed, continuously stirred vessel for four hours at 40% pulp density, a 0.20% sodium cyanide concentration at pH 11.

Current quotes on caustic soda and sodium cyanide are $0.31/lb. and $0.64/lb. respectively. Theoretical chemical costs would be $0.47 and $0.79 for a total of $1.26 on a gold recovery of $20.10/T. This covers only the chemicals for leaching. Further costs will be incurred for charcoal absorption, stripping and electrowinning or smelting.

This ore shows significant promise for amenability to cyanide leaching. Costs given are intentionally high to avoid work on ores which would be marginal.

I would now recommend a column study on coarse ore. Pumping rates and more accurate chemical consumption rates will be determined versus the time required to extract the gold.

Respectfully submitted,
ARC LABORATORIES

John P. Sickafoose, Ph.D.
Technical Director

PRODUCT DEVELOPMENT APPLIED RESEARCH

ARC LABORATORIES

Division of Arizona Research Consultants, Inc.

9236 NORTH 10TH AVE. PHOENIX, ARIZONA 85021 943-3573

FOR: Bob Schoose
724 S. Stapley
Mesa, AZ 85204

DATE 9 July 1979

LAB No. 17394

Description: mine run

RESULTS

GENERAL EXPERIMENTAL SET UP

A four foot high by four inch diameter column was filled with 33 pounds of mine run ore as received. This was saturated with water then the pH was adjusted with caustic by pumping solution through. After pH, control, sodium cyanide was added to begin gold extraction. After 276 hours of pumping, the gold recovery was 74.5% of the original 0.115 oz/T. Cyanide used was 3.01 pounds of sodium cyanide per ton of ore. Caustic consumed was 0.80 pounds per ton of ore.

PUMPING AND SOLUTION REQUIREMENTS

The pumping rate was equivalent to 50 tons (240gallons/ton) of solution per day over a 100 ton ore body. Saturation of the ore took 86 pounds or 10.3 gallons of water per ton of ore. This amount of water will vary considerably with the temperature and time of year. The total pregnant liquor circulating was 50 gallons per ton of ore and maintained at this to account for evaporation.

CAUSTIC CONDITIONING

Pumping of the caustic solution with 0.33 pounds of caustic, sodium hydroxide, per ton of ore raised the pH to 10.4 in forty three hours of pumping. All additional caustic was added in combination with the sodium cyanide solution.

Respectfully submitted,
ARC LABORATORIES

PRODUCT DEVELOPMENT APPLIED RESEARCH

ARC LABORATORIES

Division of Arizona Research Consultants, Inc.

9236 NORTH 10TH AVE. PHOENIX, ARIZONA 85021 943-3573

FOR: Bob Schoose

DATE 9 July 1979

LAB No. 17394, continued

RESULTS

SODIUM CYANIDE AND CAUSTIC REQUIREMENTS

After pH conditioning with caustic, sodium cyanide was added to give a leach solution containing 4.48 pounds of sodium cyanide per ton of solution. Additional caustic was added to maintain the pH between 10.5 and 11.0. Final requirements of sodium cyanide were 3.01 pounds per ton of ore and total caustic usage was 0.80 pounds per ton of ore.

Since this experimental setup was under ideal conditions, it may be expected that the chemical usages will increase in actual operation. This increase should not exceed these values by more than 5o%, unless the ore changes significantly.

GOLD RECOVERY

The gold in all solutions and ore was analyzed to determine recovery levels. The total gold in the mine run ore as received was 0.115 oz/T. The gold left after leaching was in the greater than 3/4 inch size fraction at 0.010 oz/T and in the less than 3/4 inch size fraction at 0.037 oz/T. 28.5% of the ore by weight was greater than 3/4 inch, 71.5% by weight was less than 3/4 inch. The cyanide leaching operation recovered 74.5 % of the total gold available in 276 hours of total caustic conditioning plus cyanide extraction time. Only 233 hours of this was cyanide contact time.

CAUTION

The use of cyanide is hazardous, particularly to those unfamiliar with it. We assume no responsibility beyond the accuracy of our work, for t[illegible] total invoice.

pH of a solution cortaining cyanide should never go below 9.0!

Respectfully submitted,

ARC LABORATORIES

John Sickafoose

John P. Sickafoose, Ph.D.
Technical Director

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#3 Winds	0.45	0.10				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO.
6258
CLAUDE EUGENE
McLEAN, JR.
Date Signed 5/13/81
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#3 30' Shaft	0.24	0.10				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Claude E. McLean, Jr.

Registered Assayer
Certificate No.
6258
Claude Eugene
McLean, Jr.
Date Signed 5/13/81
Arizona, U.S.A.

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817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#3 Ore Pile	0.37	0.10				

Respectfully submitted,
ARIZONA TESTING LABORATORIES

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For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	Silver Mine	0.05	16.				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

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For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#3 Incline Jct.	0.37	0.15				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

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For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#1 50' from out-side portal	1.3	0.30				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

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Date Signed 5/13/81
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For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#1 Winds ①	0.99	0.05				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

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For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#1 40' from outside portal	2.3	0.45				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean Jr.

Claude E. McLean, Jr.

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For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#6 Right 6'	1.6	0.20				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean Jr

Claude E. McLean, Jr.

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For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#6 Start 0	2.2	0.30				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

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Date Signed 5/13/81
ARIZONA, U.S.A.

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For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	10' Outside portal	0.51	0.15				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

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For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	20' Outside Portal	1.2	0.35				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

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McLEAN, JR.
Date Signed 5/13/81
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#1 Winds 1	0.25	0.10				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

Registered Assayer
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McLEAN, JR.
Date Signed 5/13/81
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For M. S. P. & Company
ATTN: Mr. Earl Drummond

Date May 13, 1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#5 Surface	2.3	0.65				
	#6 D15 Hand pic dump	0.13	0.10				
	#6 Discovery	0.17	0.05				
	#6 Discovery #1	0.33	0.10				
	#6 Discovery off vein	0.18	0.05				
	#6 Left 6'	1.7	0.25				
	#6 Right 6'	1.6	0.20				
	#6 Start 0	2.2	0.30				
	#6 Roof	0.07	Trace				
	10' Outside portal	0.51	0.15				
	20' outside portal	1.2	0.35				
	Silver Mine	0.05	16.				
	Silver Mine 2	0.01	1.7				
	Wash Shaft	0.09	0.05				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 5258
CLAUDE EUGENE McLEAN, JR.
Date Signed 5-13-81
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For M. S. P. & Company
ATTN: Mr. Earl Drummond

Date May 13, 1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#1 Portal	0.15	0.05				
	#1 Winds	0.20	0.05				
	#1 Winds 1	0.25	0.10				
	#1 Winds (1)	0.99	0.05				
	#1 30' from outside portal	0.07	0.05				
	#1 40' from outside portal	2.3	0.45				
	#1 50' from outside portal	1.3	0.30				
	#3 Bottom	0.17	0.10				
	#3 Foot wall	0.03	0.10				
	#3 Hang wall	0.02	0.05				
	#3 incline jct.	0.37	0.15				
	#3 Ore pile	0.37	0.10				
	#3 5' right	0.06	0.05				
	#3 15' right	0.02	0.05				
	#3 20' right	0.02	0.05				
	#3 30' shaft	0.24	0.10				
	#3 Surface	0.03	0.05				
	#3 [illegible]nds	0.45	0.10				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 5-13-81
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#6 Discovery #1	0.33	0.10				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO.
6258
CLAUDE EUGENE
McLEAN, JR.
Date Signed 5/13/81
ARIZONA, U.S.A.

Arizona Testing Laboratories

817 West Madison · Phoenix, Arizona 85007 · Telephone 254-6181

For M. S. P. & Company
Mr. Earl Drummond

Date May 13,1981

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
1540	#5 Surface	2.3	0.65				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO.
6258
CLAUDE EUGENE
McLEAN, JR.
Date Signed 5/13/81
ARIZONA, U.S.A.

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 247 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER CERTIFICATE NO. 2978 WALTER G. STATLER Date Signed 9-6-80 ARIZONA, U.S.A.

ASSAY MADE FOR Bob Schoose

Sept. 6, 1980

REF. NO.	DESCRIPTION	~~oz/ton~~ Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
	Charcoal	1.574 gms/lb						
		= 112.439 oz/Ton						

CHARGES 6 oz Au and /

ASSAYER

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 247 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER CERTIFICATE NO. 2978 WALTER G. STATLER Date Signed 10-3-80 ARIZONA, U.S.A.

ASSAY MADE FOR Bob Schoose

Oct. 3, 1980

REF. NO.	DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
	Ps	.055						
	Bs	.005						

CHARGES $12 oz Au

ASSAYER

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

ASSAY MADE FOR: BOB SCHOOSE
724 So. Stapley Rd.
Mesa, Ariz. 85024

June 25, 1974

DESCRIPTION	oz/ton Au	oz/ton Ag	Distribution %	% Fe	% Pb	% Zn	% Cu
Screen analysis, sample crushed to minus 10M.							
Head sample	.175						
+ 20M	.530		16.98				
+48M	.29		40.86				
#100	.18		19.00				
+150	.21		6.05				
-150	.36		17.11				

CHARGES $25.00 P 33 0806

ASSAYER Walter G. Statler

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 247 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER CERTIFICATE NO. 2978 WALTER G. STATLER Date Signed 10-14-80 ARIZONA, U.S.A.

ASSAY MADE FOR: Bob Schoose

REF. NO.	DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
010-20-1	Agitation Head	.138						
	Leach Tail	.062						
	6 Hr Run	.082						
	Rinse	.049						

CHARGES 37.00 Paid

ASSAYER