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

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James Doyle Sell Mining Collection

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JDS

ASARCO

Exploration Department
Southwestern United States Division
James D. Sell
Manager

August 30, 1988

Mr. William L. Spicer
Red Bluff Mine, Incorporated
Postal Drawer 4068
Santa Fe, New Mexico 87502-4068

Red Bluff Mine
Sec. 25-27, 34, 35,
et al; T9N, R3W
Black Rock Mining Dist.
Yavapai County, AZ

Dear Mr. & Mrs. Spicer:

Mr. Kurtz has passed your packet of information on to me. Thank you for the data.

At the present time I have no one, including myself, in Arizona, as the summer season takes us northward. It will be later this year before my group can get around and look at your property.

As per your letter, we will drop you a note when we intend to visit the property.

Again, thank you for the opportunity to investigate the Red Bluff Mine property.

Sincerely,

James D. Sell

James D. Sell

JDS:mek

10/26
Turned over data purchase
to MAW for review & recommendation

cc: W.L. Kurtz

ASARCO Incorporated P. O. Box 5747 Tucson, Az 85703
1150 North 7th Avenue (602) 792-3010

ASARCO

Exploration Department
Southwestern United States Division

October 27, 1988

Mr. William Spicer
Red Bluff Mine Inc.
Postal Drawer 4068
Santa Fe, NM 87502-4068

Red Bluff Mine
Sections 25-27, 34, 35
T9N, R3W
Yavapai County, AZ

Dear Mr. Spicer:

Your data packet has been passed on to me by Mr. Sell. I plan to be somewhere in that county within the first part of November and I will take a look at your property then. You have submitted some rather impressive assay results. Do you suppose that you can accurately pin them down as to location (a map with assay values and identifiers would be sufficient).

Thank you for your time and consideration. If you can supply me with the locations of the samples prior to my visit, it will certainly aid me in my evaluation.

Respectfully,

Mark A. Miller
Geologist

MAM:mek

cc: J.D. Sell

ASARCO Incorporated P. O. Box 5747 Tucson, Az 85703-0747
1150 North 7th Avenue (602) 792-3010

JDS

ASARCO

Southwestern Exploration Division

April 5, 1991

M.A. Miller

Red Bluff Mine
Black Rock District
Yavapai County, AZ

As you and I discussed your report, I mentioned that I did not think you had sampled or looked at the area in sufficient detail, based on the amount of previous "encouraging" sampling.

I specifically mention:

1. Your photo RB-1, where both samples are encouraging (0.1 opt gold), and apparent ample room for you to cut a hanging wall sample to see the full extent of such values. Why was the hanging wall not sampled, after the experience at Yarnell?

2. The RB-6 sample of pegmatite appears quite fractured as does the dioritic (?) wall rock. They too appear fractured and veined, but no sample cut of the wall rock.

3. The ridge having old samples #12, 14, 15, 16, 18, and 31, all had +0.9 opt gold, yet no confirmation sample by you. Why not, in such a broad sampling area?

4. Same with the area of old samples #8, 9, 10, 11, and 19 (plus 0.3 opt gold).

5. Surely, all the 0.3 opt gold previously sampled around your RB-5 and -6 samples, should have suggested that you do more extensive sampling. Especially if sample 28 represents truckloads 1-5, which averaged 0.58 opt gold and 10% copper.

Your final comment, "Additional sampling might be done to extend or delimit the zone of 0.16 opt gold ..." (underline is mine). Yes, indeed.

James D. Sell

James D. Sell

JDS:mek
Att.

cc: W.L. Kurtz

JDS

ASARCO

Southwestern Exploration Division

March 8, 1991

J.D. Sell

Red Bluff Mine
Black Rock District
Yavapai County, AZ

On February 16, 1991 I spent one day at the Red Bluff Mine, a prospect that has been on the list of submittals for several years. There are a number of small workings on the property and the former owners, the Spicers (Red Bluff Mining Company), had cut many roads around the property although most of these are no longer accessible. The property was of particular interest in that many of the rock samples taken on the property were in excess of 0.05 opt Au with several in the 0.1+ opt range. Six rock chip samples were taken on the property on the best looking structures. The best sample was RB-1 which was taken along a hematized fault zone eighteen feet wide (true thickness). The zone assayed 0.16 opt Au. While this is a very significant assay, the indications are that the zone is very limited in its extent (although it has not been closed off by assay). The fault zone is shown in the attached pictures. Other samples taken along well altered and mineralized zones were weakly anomalous.

The area is underlain by a granite or a granitic rock that has been intruded by mafic dikes and/or sills of a dioritic composition. In some instances, the diorite appears to be in fault contact with the granite. The granite also appears to be cut by later pegmatitic dikes which, in turn, appear to be cut by a hematitic rhyolite. This sequence of units does not appear to carry any gold.

Mineralization appears to be associated with hematitic structures such as fault zones; ± quartz although hematite appears to be the most important. The Spicers described a long (+ one mile X 1000") zone of hematitic mineralization trending due North. I did not see this occurrence. Additional sampling might be done to extend or delimit the zone of 0.16 opt gold; otherwise, no further work is recommended.

Mark A. Miller

MAM:mek
Atts.

cc: W.L. Kurtz

RED BLUFF MINE
BLACK ROCK DISTRICT
YAVAPAI COUNTY, ARIZONA

SAMPLE DESCRIPTIONS (ppb Au)

RB-1 0-9': Fault zone, low to medium angle; N10W, 40S. Abundant hematite, specularite, rare copper oxides on fractures. Rock is not altered but is strongly mineralized with iron oxides. Host rock appears to be a fine grained felsic (perhaps a rhyolite) rock. Sample has been taken perpendicular to dip. Pictures 5, 6 (5040, 6080).

RB-1 9-18': as above.

RB-2 Hematitic zone with included quartz vein. Trend of hematite zone is N30W, 80S. Zone is 4' thick. Picture #7 (138).

RB-3 Heavy iron oxide area on hillside in a series of old dozer cuts. Strong specularite on veins and veinlets. Occasional copper oxides in dump. Area of exposure is 50 x 100' in dimensions (871).

RB-4 Strong silicified and altered "rib" 12' wide. Strong hematite/limonite. Altered zone appears to occur along fault structure. General trend of the altered zone is N40-70E, 70S. Entire thickness of zone is ~30'. Picture #8 (37).

RB-5 Strike extension of RB-4 (35).

RB-6 Adit into pegmatitic unit which is in fault contact with a mafic (possibly a diorite or diabase) unit. Pegmatitic unit appears to be intruded by a hematitic rhyolitic unit. Pictures 9, 10 (5).

PRELIMINARY REPORT

REPORT : SP 010631

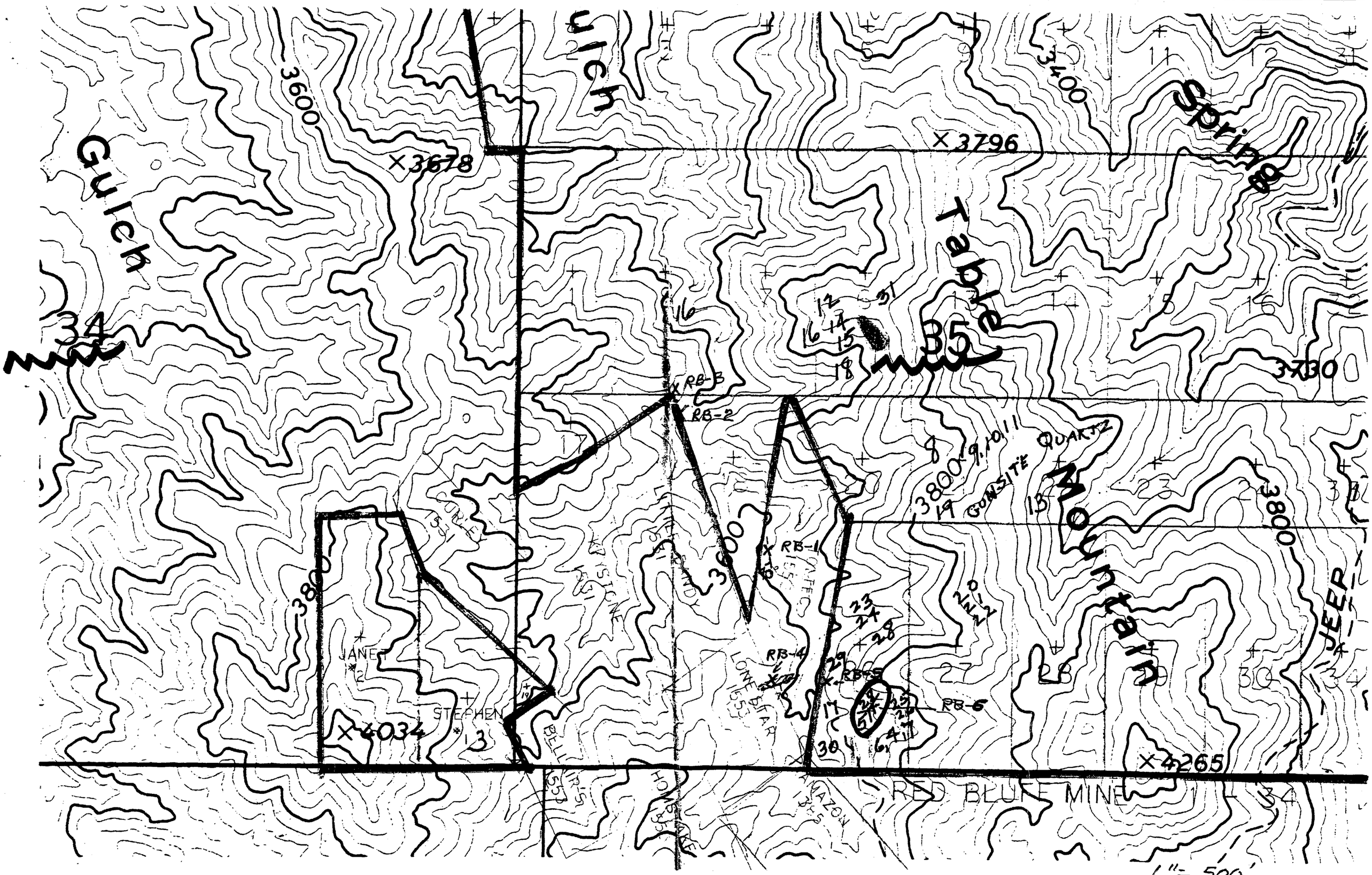
Sample	Au ppb	Au(R) ppb	Ag ppm			
CH-1	24		--			
CH-2	241		--			
CH-3	22		--			
CH-4	21	22	--			
CH-5	61		--			
CH-6	26		--			
RB-1 0-9	5040	4675	1.0	5040	5X.03	.15
RB-1 9-18	6080		2.5			.18
RB-2	138	6370	<0.5			
RB-3	871		0.8			
RB-4	37		<0.5			
RB-5	35		<0.5			
RB-6	5		<0.5			
GB-1	6	<5	--			

ASA

FEB 25 1991

SW

Please refer to the cover sheet for further analysis details.

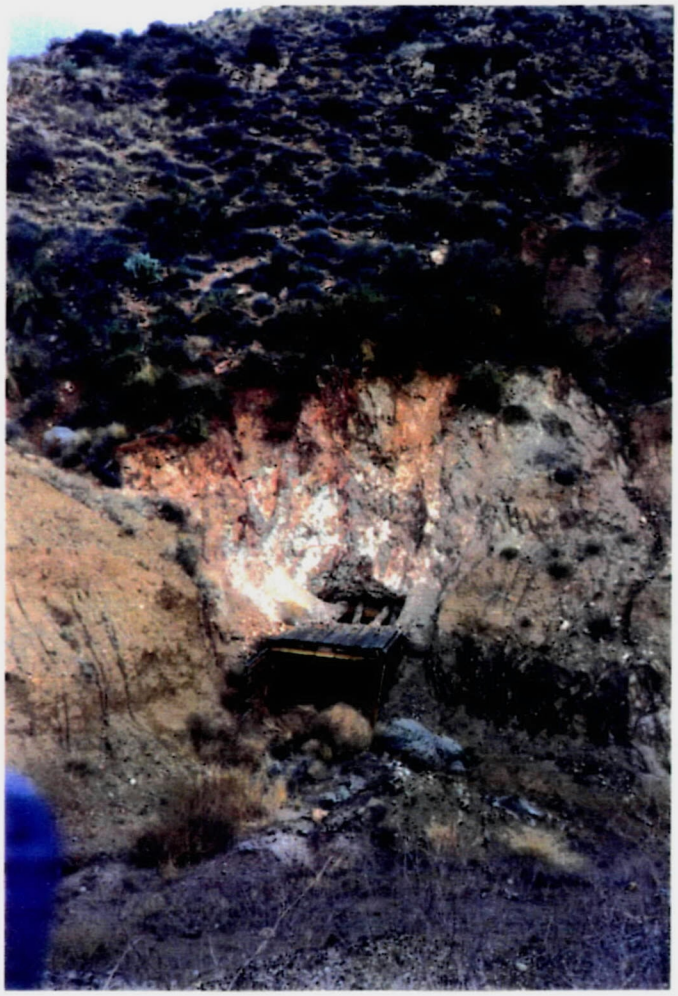

Gulch
Ulch
Table
Mountain
Spring
3600
3400
3796
3678
3730
3800
4034
4265
34
35
RB-1
RB-2
RB-3
RB-4
RB-5
RB-6
JANET
STEPHEN
JEEP
RED BLUFF MINE
1" = 500'

RED BLUFF MINE, YAVAPAI COUNTY, ARIZONA

RB-1 - See Description
Looking S

RB-4 - See Description
Looking SE

RED BLUFF MINE, YAVAPAI COUNTY, ARIZONA



Adit @ RB-6 Sample Locality
Looking SW

Inside Adit @ RB-6 Locality
NW Wall

Arizona Testing Laboratories

817 West Madison Street □ Phoenix, Arizona 85007 □ 602/254-6181

For Mr. William L. Spicer
Red Bluff Mine, Inc.
17835 Buntline Drive
Sun City West, AZ. 85375

Date March 17, 1983

ASSAY CERTIFICATE

	LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
			GOLD	SILVER	COPPER			
1	0389	Bronco Bill's No. 3 Section 25	trace	1.9				
2	WGS	Bronco Bill's No ~~8~~ 11 Section 25	0.48	0.25				
3		R.B.M. Stephen No.1 Section 34	0.04	0.10				

ASARCO Incorporated

MAR 23 1984

SW Exploration

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Registered Assayer
Certificate No. 6258
Claude Eugene McLean, Jr.
Signed 3/17
Arizona, U.S.A.

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

RECEIVED
DEC 22 1980

Certificate No. 60779

TUCSON, ARIZONA 85702 Dec 12, 1980

Sample Submitted by Mr Red Bluff Mining

	SAMPLE MARKED	GOLD Ozs. per ton ore		~~GOLD Value per ton ore *~~		SILVER Ozs. per ton ore		~~COPPER Per cent Wet Assay~~		~~LEAD Per cent Wet Assay~~		~~Per cent Wet Assay~~		~~Per cent Wet Assay~~	
4	AH #3	1.	178			1.	55								
5	Main Product	0.	756			0.	10								
6	12-9 Heads	4.	180			1.	25								
7	12-9 Tails	0.	241			0.	05								

~~* Gold Figured $300.00 per oz. Troy~~ + Rush

Charges $ 56.00

Very respectfully,

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 624-0813

RECEIVED
DEC 22 1980

Certificate No. 60778

TUCSON, ARIZONA 85702 Dec 10, 19 80

Sample Submitted by Mr Red Bluff Mining

SAMPLE MARKED	GOLD ~~Ozs. per ton ore~~		~~GOLD Value per ton ore~~		SILVER ~~Ozs. per ton ore~~		COPPER ~~Per cent Wet Assay~~		~~LEAD Per cent Wet Assay~~		SiO2 ~~Per cent Wet Assay~~		Per cent Wet Assay	
8 #1	1.	004			1.	00	2.	15			38	95		
9 2	0.	428			0.	20	1.	20			54	65		
10 3	0.	488			6.	90	14.	90			15	15		
11 4	0.	370			7.	85	24.	25			49	05		

~~* Gold Figured $300.00 per oz. Troy~~ + Rush

Charges $ 120 00

Very respectfully,

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

RECEIVED
DEC 1 1980

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622 0813

Tucson, Arizona, November 21, 19 80

Sample Submitted by Mr. Red Bluff Mine

Sample Marked	GOLD Ozs. per ton ore		~~GOLD Value per ton ore*~~		SILVER Ozs. per ton ore		~~COPPER Per Cent Wet Assay~~		~~LEAD Per Cent Wet Assay~~		~~Per Cent Wet Assay~~		~~Per Cent Wet Assay~~		~~Per Cent Wet Assay~~	
2 X	0.	902			0.	75										

* ~~Gold Figured $300.00 per oz. Troy~~

Charges $ 13 00

Very respectfully,

Mitchell Jacobs

ASARCO

MR. JAMES LAMB TUCSON, ARIZONA

(602) 792-3010

The following reflects Assay information relating to copper ore samples Mr. Spicer delivered to Mr. R. A. Moor, ASARCO smelter, Hayden, Arizona, late October 1980--

GOLD	.735	OUNCES	PER	TON
SILVER	.440	"	"	"
LEAD	.06	"	"	"
COPPER	7.98	%	"	"
13 SILCON	50.20	%	"	"
IRON	16.10	%	"	"
LIME	.6	%	"	"
SULPHUR	.6			
ZINC	.04			
ALUMINUM	2.5	%		

Mr. Lamb is mailing a copy of the formal Assay Report to Mr. Spicer.

AmeriChem Engineering Services

RECEIVED
NOV 20 1980

Red Bluff Mine Inc.
P.O. Box 33934
Phoenix, AZ

Date: 11/17/80

Atomic Absorption analysis of samples received 10/27/80
for Gold (Au) & Silver (Ag)

#	Sample ID	Date	Element	Ext.	PPM	Oz/Ton	Oz/Gal	%w/w
14 516	Ore Styrofoam	10/27	Au	7%NaCN 1%KCN		5.93		
"	"	"	Ag	"		3.83		
15 517	Ore Can	10/27	Au	"		0.91		
"	"	"	Ag	"		0.67		

Ext. = Extraction method: AR, Aqua Regia; CN Sodium Cyanide; N, Nitric Acid; O, Other

Due to the fact that no sample is truly representative of an ore body, and that these results represent evidence derived by specific laboratory methods of extraction, AmeriChem Engineering Services disclaims any liability for decisions made on the basis of this report. This report is specifically prepared for and distribution is limited to the party specified above.

4231 E. Raymond Street Phoenix, Arizona 85040 Phone (602) 268-3431 (Telex 165075)

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

RECEIVED
NOV 05 1980

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 31 Oct., 1980

Sample Submitted by Mr. Red Bluff Mine

Sample Marked	GOLD Ozs. per ton ore	GOLD ~~Value per ton ore~~	SILVER Ozs. per ton ore	COPPER ~~Per cent Wet Assay~~	LEAD ~~Per cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~
16 X	0.148	~~	<0.05					

< = Less THAN

* Gold Figured ~~$300.00 per~~ oz. Troy

Charges $ 13.00 paid + Rush

Very respectfully,

Max D. Jacobs

Arizona Testing Laboratories

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

For Red Bluff Mines Date October 29, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
16 8484	Main ore pile Mt. Hope Coarse	0.04	0.25	1.4			
	Main ore pile Mt. Hope #1	0.80	1.5	1.1			

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean Jr.

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 10/29/80
U.S.A.

Form DRW-2060 (Rev. 11-74)
(47-0151.00)

PHELPS DODGE CORPORATION
DOUGLAS REDUCTION WORKS

RECEIVED
NOV 07 1980

ASSAY AND ANALYSIS CERTIFICATE

DOUGLAS, ARIZONA Oct. 24, 1980

NAME Hand Sample: Schumacher, Red Bluff #1

Smelter Lot	Shipper's Lot	Copper %	Ozs. per Ton Silver	Ozs. per Ton Gold	SiO_2 % (Silicon Oxygen)	Al_2O_3 % (Aluminum Oxygen)	Fe % (Iron)	CaO % (Calcium Oxygen)	MgO % (Magnesium Oxygen)	Mn % (Manganese)	Zn % (Zinc)	Pb % (Lead)	S % (Sulfur)	Cl % (Chlorine)	%
1		5.65	0.31	0.905	19.7	7.6	38.1	0.3	1.3	0.1	Tr	Tr	0.1		

Chief Chemist

RECEIVED
OCT 22 1980

BRC

BAHAMIAN REFINING CORPORATION
CUSTOM REFINERS, COMPLETE ANALYSIS & FLOWSHEET DESIGN

9222 N. 14TH AVE., PHOENIX, ARIZ. 85021
TELEPHONE (602) 279-9702

October 20, 1980

Red Bluff Mining
Matt Laxton
P. O. Box 33934
Phoenix, AZ 85067

Dear Mr. Laxton:

By actual recover , using both hydrochemical and feromotallurgical meth ds, all in oz. per ton, your values are as follows:

1-A cons	2.4 [illegible]	.74 silver
1 cons	3.31 [illegible]	1.18 silver
2 cons	2.7 [illegible]	1.16 silver
3 cons	6.31 g[illegible]	1.72 silver
Heads	.3 [illegible]	.11 silver
Tails	.0[illegible]	.02 silver

17

Sincerely,

Fred Linell, Jr.

Mkt

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 254-6101

For Red Bluff Mine, Inc.
Post Office Box 33934
Phoenix, Arizona 85067

Date October 10, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	IRON		
8134	18 1	2.9	1.9		30.		
	19 2	0.60	0.75		30.		

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Claude E. McLean, Jr.

REGISTERED ASSAYER
CERTIFICATE NO. 6958
CLAUDE EUGENE McLEAN, JR.
Expires 10/10/80
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 10/3/80 ARIZONA, U.S.A.

ASSAY MADE FOR: Matt Laxton
Wickenburg, Ariz.

Oct 3, 1980

REF. NO.	DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu
10-2-5	20 #1	.176	0.12					.18
10-2-6	21 #2	.210	0.13					.90
10-2-7	22 #3	.178	0.12					.25

CHARGES $38.25
paid 27.75 Bal. $10.50 - Paid

ASSAYER

Walter G. Statler

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

RECEIVED
OCT 7 1980

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Tucson, Arizona, 1 Oct. 1980

Sample Submitted by Mr. Red Bluff Mine

	Sample Marked	GOLD Ozs. per ton ore	GOLD ~~Value per ton ore~~	SILVER Ozs. per ton ore	COPPER ~~Per cent Wet Assay~~	LEAD ~~Per cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~	~~Per Cent Wet Assay~~
7.3	"MAIN ORE"	0.338	—	0.05					
7.4	LIGHT-DARK CENTER-BACK	0.276	—	<0.05					

< = Less Than

* Gold Figured ~~$300.00 per oz.~~ Troy

Charges $ 20.00 paid

Very respectfully,

[signature]

Arizona Testing Laboratories

8[illegible] West M[illegible]son [illegible]nix Arizona 85007 Telephone 254-6181

For Red Bluff Mines
Laxton/Spicer
Post Office Box 33934
Phoenix, Arizona 85067

Date September 30, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
7956	101-16	0.18	0.05	0.55			
	888-16	0.02	Trace	1.8			
	999-16	0.98	0.30	0.45			
	On Pile	0.59	0.30	3.9			

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr

Claude E. McLean, Jr

Registered Assayer
CERTIFICATE No. 6258
CLAUDE E. McLEAN
Date Signed 9/30/80
ARIZONA

Arizona Testing Laboratories

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

For Red Bluff
Mr. Spicer

Date September 19, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
7832	Lodge Under Cabin 9-18-80	0.39	0.15				

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Registered Assayer
CERTIFICATE NO 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 9/19/80
ARIZONA, U.S.A.

Claude E. McLean, Jr.

Arizona Testing Laboratories

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

For Red Bluff Mine Inc.
Laxton/Spicer
Box 33934
Phoenix, AZ. 85067

Date September 12, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
57 7712	Truck #1	0.45	2.4	19. %			

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 9/12/80
ARIZONA, U.S.A.

Arizona Testing Laboratories

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

For A. M. L. Mining
Post Office Box 1632
Wickenburg, AZ. 85358

BIG BLUFF MINE

Date September 12, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
28 7711	1-5 Truckloads	0.58	1.2	10. %			

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 9/12/80
ARIZONA, U.S.A.

Arizona Testing Laboratories

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

For A. M. L.
Post Office Box 1632
Wickenburg, Arizona 85358
ATTN: Mr. M. Laxton

Date August 14, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
7254	Shot 2 LP	0.54	0.45				
	Shot 2 UHL	0.03	0.10				
	High & Dry 301 UHL	0.29	0.25				
	High & Dry 302 UHHN	0.01	0.05				
	UHL 303	0.23	0.10				

28

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E McLean Jr

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO
6258
CLAUDE EUGENE
McLEAN, JR
Signed 8/14/80
ARIZONA, U.S.A.

Arizona Testing Laboratories

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

For A. M. L. Mining
Post Office Box 1632
Wickenburg, Arizona 85358

Date July 28, 1980

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER	IRON		
6994	High Dry 101 ~~Tailings~~	0.93	0.15				
	Mill 102 Tailings	0.02	Trace				
	High Dry 103 Ore	1.2	0.25				
	Mill Run Sizer/Table	0.31	0.25		17.%		
	Concentrates 2nd Pass	0.80	0.70		50.%		

29

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean

Claude E. McLean, Jr.

Registered Assayer
CERTIFICATE NO. 6258
CLAUDE EUGENE McLEAN, JR.
Date Signed 7-28-80
ARIZONA, U.S.A.

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 010631

Sample	Au ppb	Au(R) ppb	Ag ppm	
CH-1	24		--	Crystal Hill
CH-2	241		--	Yavapai Co.
CH-3	22		--	
CH-4	21	22	--	
CH-5	61		--	
CH-6	26		--	
RB-1 0-9	5040	4675	1.0	Red Bluff
RB-1 9-18	6080		2.5	Yavapai Co.
RB-2	138	6370	<0.5	
RB-3	871		0.8	
RB-4	37		<0.5	
RB-5	35		<0.5	
RB-6	5		<0.5	
GB-1	6	<5	--	Gold Bar

Please refer to the cover sheet for further analysis details.

ASARCO Inc.

MAR 6 1991

Sir Exploration

JDS

ASARCO

Southwestern Exploration Division

June 25, 1991

J.D. Sell

Red Bluff Mining Property
Yavapai County, Arizona

I have talked to Louise Hicks who owns the patented claims in the Red Bluff area. She has optioned them to SKI Minerals, Idaho, and requests that we do no further work until their option expires approximately 60 days from now. I plan to contact her again in September to see what the property status is. I will postpone my return trip until then.

MAM:mek

Mark A. Miller

ASARCO

Red Bluff Mine
Area
Yavapai Co. AZ

Exploration Department
Southwestern United States Division

June 13, 1991

Ms. Marcee Gilson
Tax Assessor's Office
255 E. Gurley
Prescott, AZ 86301

Dear Marcee:

Thank you very much for the excellent help you provided me in searching out the patented claims today. You saved me a trip to Prescott and lots of unfamiliar searching through records. Your efficiency and friendliness is very much appreciated.

Again, thank you.

Respectfully,

Mark A. Miller
Geologist

MAM:mek

cc: Clair Barnett, Tax Assessor
J.D. Sell

ASARCO Incorporated P.O. Box 5747 Tucson, Az 85703-0747
1150 North 7th Avenue (602) 792-3010

JDS

ASARCO

Southwestern Exploration Division

June 17, 1991

W.L. Kurtz

M.A. Miller's Report
Red Bluff Mine
Yavapai County, AZ

I forward Mr. Miller's report on his sampling of the Red Bluff Mine.

In Mr. Miller's monthly report for May, he mentioned that he had 60' in a mineralized zone with assays pending. These assays are listed as samples RB-19, -20, and -21, each cut of 20', and returned values of 137 ppb, 0.139 opt, and 77 ppb gold. Thus the important value is 20' of 0.139 opt gold.

The next best zone cut through the mineralized zone is on the north end, sample RB-1, which early results indicated an upper zone of 9' of 0.15 opt, and a lower 9' of 0.17 opt. Follow-up sample in the hanging wall returned 8' of 41 ppb gold, while the footwall returned 10' of 0.022 opt. This best zone is 18' of 0.16 opt gold, with the altered zone above and below having low values.

On the south, where he felt the zone was 100' wide, he was only able to grab sample a zone of ±20' which returned 33 ppb gold (sample RB-22).

Miller's evaluation and sampling does not suggest that the zone widens at any point to have appreciable opt gold values.

Miller further mentions that the Groom mine is located along strike south of his sample RB-23 which returned 28 ppb Au over 10'. The Asarco Groom report indicated 0.1-0.2 opt gold over 5'-10' of quartz vein at the surface. The Groom shaft shows progressively lower values down to the 200' level where they drifted along the structure with only 0.01-0.02 opt results. At the Groom, the vein structure is vertical at the surface, but is beginning to flatten at the 200' level.

As noted, the patented claim ownership is highly divided.

James D. Sell

JDS:mek
Att.

cc: R.L. Brown
M.A. Miller

ASARCO

Southwestern Exploration Division

June 16, 1991

J.D. Sell

Red Bluff Mine
Yavapai, AZ

SUMMARY AND RECOMMENDATIONS

The most recent results have been received from follow-up sampling at the Red Bluff Mine property. (See March 8 and April 8, 1991 memos on the same subject.)Additional reconnaissance mapping has identified an altered and mineralized zone up to 3000' long striking N 30 W dipping 40-65 SW. Width of the zone varies from 20' up to 100' in true thickness, however it appears at this time that only the central portion of the zone is ore grade gold. The mineralized zone consists of quartz as veining or silicification; hematite and specular hematite up to 5-6% locally. Twelve samples have been taken in the zone and these are listed below from the northwest known limit to the sampled southeast limit (Map 2).

Sample number	thickness	grade
RB-2	4'	138 ppb
RB-3	random	0.025 opt
RB-1	18'	0.16 opt
RB-14	8'	41 ppb
RB-17	10'	0.022 opt
RB-16	random	0.032 opt
RB-15	15'	135 ppb
RB-19	20'	137 ppb
RB-20	20'	0.139 opt*
RB-21	20'	77 ppb
RB-22	random	33 ppb
RB-23	25'	28 ppb

*The best sampled zone of 60' (samples RB-19,20,21) at 20' each ran 137 ppb(.004 opt), 0.139 opt, and 77 ppb(.002 opt)

In addition to the main zone there is another mineralized contact zone between the granites and diorite that assays 0.139 opt Au over 20-25'(RB-13). The footwall diorite runs only 8 ppb Au. This additional zone is ~800' east of the main zone and appears to be striking N 30 E dipping 80 SE. Additional sampling is recommended on both mineralized zones to determine the significance of the mineralization.

DISCUSSION

The Red Bluff Mine property was a submittal from William Spicer. The property appeared of interest because Spicer reported a number of samples which ran in excess of 0.1 opt Au with several running in excess of 0.5 opt Au. Spicer took a total of 29 samples on the property. He also interpreted a N-S zone up to 300' wide traversing the claim block with high gold values as previously described. My work could not confirm Spicer's data however it did locate the altered and mineralized zone that I sampled. An adjacent property was also explored by Asarco in 1926-28 as a high grade copper play. This property is known as the Groom mine and consists of several shafts and adits (Map 1). The Groom was interpreted as a pair of veins striking N30W with a vertical dip, however the cross sections suggest a flattening of the dip with increasing depth; something one might expect in a listric fault situation. The Groom structure is probably the southeast extension of the Red Bluff property. Early exploration work was unsuccessful in locating a sulfide vein of size and nature to interest the company. There were however some interesting gold values assaying 0.1 to 0.2 opt Au in the veins.

Preliminary surface mapping suggests an altered and hematitic zone from 20 to 100' in thickness. Within this altered zone we have assays that represent 20 to 25' assaying .139 to .16 opt Au. Strike length between the two best samples is 1200'. The zone strikes N30W and dips 40-65 SW. Specular hematite is very abundant up to 5-6% locally. copper oxides are seen mostly in float and occur up to 1% locally. The structural setting and the mineralogy of the zone suggest a detachment related environment possibly similar in nature to the Copperstone gold deposit. Host rocks in the area are granites, granitic gneiss, and mafic schists. The granitic rocks appear to have been cut by both dioritic and rhyolitic dikes. Some of the gold anomalies appear to be spatially related to the dioritic dikes. This is a relationship that seems to hold true in many Mohave gold deposits. There are also numerous quartz/pegmatitic veins which crosscut the host rock however their significance to the gold mineralization is not known. Sample descriptions and assays are attached.

LAND STATUS (Map 3)

The property is composed of both patented and unpatented claims.There appears to be a conflict in the unpatented claim ownership between two parties and this will need to be resolved before any negotiations start. The patented claims are owned by a number of people and the ownership of these are attached.

Atts.

Mark Miller

RED BLUFF MINE
BLACK ROCK DISTRICT
YAVAPAI COUNTY, ARIZONA

SAMPLE DESCRIPTIONS

RB-1 0-9': Fault zone, low to medium angle; N10W, 40S. Abundant hematite, specularite, rare copper oxides on fractures. Rock is not altered but is strongly mineralized with iron oxides. Host rock appears to be a fine grained felsic (perhaps a rhyolite) rock. Sample has been taken perpendicular to dip. Pictures 5, 6, .15, .17 opt Au.

RB-1 9-18': as above.

RB-2 Hematitic zone with included quartz vein. Trend of hematite zone is N30W, 80S. Zone is 4' thick. Picture #7, 138 ppb Au.

RB-3 Heavy iron oxide area on hillside in a series of old dozer cuts. Strong specularite on veins and veinlets. Occasional copper oxides in dump. Area of exposure is 50 x 100' in dimensions .025 opt Au.

RB-4 Strong silicified and altered "rib" 12' wide. Strong hematite/limonite. Altered zone appears to occur along fault structure. General trend of the altered zone is N40-70E, 70S. Entire thickness of zone is ~30'. Picture #8, 37 ppb Au.

RB-5 Strike extension of RB-4, 35 ppb Au.

RB-6 Adit into pegmatitic unit which is in fault contact with a mafic (possibly a diorite or diabase) unit. Pegmatitic unit appears to be intruded by a hematitic rhyolitic unit. Pictures 9, 10, 5 ppb Au.

SAMPLE DESCRIPTIONS
values in gold only

RB-7 Decomposed granite, possible rhyolitic dikes intruding granite, 20' rock chip perpendicular to N30E trend of rocks 5 ppb

RB-8 Select quartz float, hematitic only 56 ppb

RB-9 Diorite Dike, abundant iron oxides, 10' horizontal rock chip < 5 ppb

RB-10 Decomposed granite adjacent to rhyolitic dike. 20 ppb

RB-11 Strongly altered zone adjacent to diorite dike(RB-9) hematite, sericite, and quartz 308 ppb

RB-12,13 Quartz, hematite zone adj to diorite dike and granite contact. Strong hematite and specular hematite in a 25 ' wide zone.

Attitude of structure is N30E, 80SE
RB-12; diorite 8 ppb
RB-13; altered zone 0.136 opt Au

RB-14 Hanging wall of RB-1 structure; hematitic, appears to be a quartz porphyry-possibly volcanic in origin. 41 ppb

RB-15 Hanging wall sample on strike of RB-1 zone. Altered and hematitic, 15' random chip 135 ppb

RB-16 Float from main zone, hematite, quartz, sericite; Taken over a 25' diameter area. 0.032 opt Au

RB-17 Footwall of RB-1 zone. rock appears to be an altered phyllite. Hematitic and partly silicified; sample represents 10' rock chip normal to dip. 0.022 opt Au

RB-18 Fault zone, abundant hematite and few py casts; silicified in part N10W, 65 SW. 6' random chip across zone. 72 ppb

RB 19 to 21 represent 20' incremental rock chips across the zone. Samples are normal to the dip. At this point the altered and mineralized zone is 60+' wide striking N30W and dipping 40-65 SW. The mineralized zone is composed of hematite, specular hematite up to 5-6% locally; quartz as veins or stockwork/breccia and some silicification. Sampling was started at the hanging wall of the structure.

RB-19 137 ppb HW
RB-20 0.139 opt Au
RB-21 77 ppb FW

RB-22 Main zone appears to be up to 100' wide at this point. Same orientation as the rest of the zone. Abundant Cu oxides as float and some minor veining. Random chip taken near the hanging wall. 33 ppb

RB-23 Roadcut on main road and furthest SE sampled limit. Altered and mineralized zone is exposed along 150- 200' of roadcut. Strong specular hematite. Sample represents lower 15-25' of mineralized and altered zone, N10W, 35 SW 28 ppb

1500 GLENDALE AVE. SPARKS
NEVADA 89431
TELEPHONE (702) 356 0606
FACSIMILE (702) 356 1413

ELEMENT / SAMPLES	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	V ppm	W ppm	Zn ppm
LM-35	2	0.6	0.75	4	21	50	2	0.11	1	3	17	26	1.49	2	0.35	15	0.06	3215	9	0.02	9	0.002	329	10	23	25	0.01	6	5	1	20
LM-36	2	0.4	0.64	3	37	26	3	0.44	1	3	20	33	1.13	2	0.29	30	0.06	100	2	0.01	6	0.003	54	2	14	39	0.01	5	6	1	10
LM-37	2	0.1	0.38	2	8	88	2	0.17	1	4	16	12	1.44	2	0.11	43	0.02	489	2	0.06	9	0.015	34	3	16	31	0.01	5	3	1	12
LM-38	2	0.1	0.38	5	4	24	2	0.15	1	2	19	24	1.28	2	0.11	28	0.04	277	2	0.07	5	0.003	37	2	9	35	0.01	5	3	1	13
LM-39	2	0.2	0.52	4	7	17	2	0.37	1	2	12	8	1.28	2	0.08	24	0.11	644	2	0.05	9	0.001	48	2	11	46	0.01	5	4	1	30
RB-7	2	0.2	1.39	6	3	129	2	3.26	1	10	31	58	2.87	2	0.16	58	0.44	609	1	0.03	18	0.155	15	2	88	14	0.05	5	41	1	61
RB-8	2	0.2	0.37	3	4	75	2	0.11	1	6	20	30	2.26	2	0.21	14	0.06	437	2	0.03	11	0.02	9	2	19	5	0.01	5	11	1	17
RB-9	2	0.2	2.53	6	2	72	2	4.18	1	28	48	97	5.11	2	0.11	8	1.22	879	1	0.05	66	0.074	13	3	58	3	0.06	5	76	3	100
RB-10	2	0.3	1.18	13	10	109	2	0.32	1	16	21	153	3.89	2	0.23	24	0.29	687	3	0.03	13	0.043	16	3	21	14	0.01	5	27	2	58
RB-11	2	0.5	1.19	11	9	49	21	0.42	1	13	20	1259	13.64	2	0.25	10	0.25	421	10	0.01	8	0.04	21	2	73	12	0.01	5	44	2	50
RB-11D	2	4.8	2.18	45	11	418	3	20.94	1	5	21	112	1.42	2	1.46	30	0.22	358	10	0.3	17	0.025	98	6	657	9	0.05	5	92	1	123
STANDARD C	6	7.4	1.9	38	34	178	20	0.48	18.8	32	59	62	3.95	2	0.15	39	0.88	1059	19	0.07	70	0.092	42	14	53	40	0.09	17	57	11	132
RB-12	2	0.1	0.5	2	7	21	2	0.12	1	4	22	38	2.52	2	0.13	6	0.14	368	2	0.03	6	0.004	5	2	7	8	0.01	5	3	3	13
RB-13	3	2.3	1.68	2	8	59	173	0.78	1	12	14	899	15.29	2	0.11	18	0.38	674	4	0.02	9	0.024	187	2	42	9	0.01	26	44	40	58
RB-14	2	0.2	1.12	4	9	272	7	0.26	1	6	17	399	5.16	2	0.14	10	0.28	943	3	0.02	7	0.002	30	2	20	7	0.01	5	4	3	68
RB-15	2	0.5	1.13	7	5	1959	15	0.3	1	7	15	1424	4.63	2	0.13	4	0.22	1265	4	0.01	8	0.004	235	3	51	3	0.01	5	9	3	142
RB-16	2	1.4	1.66	8	5	342	65	0.29	1	8	24	2439	7.87	3	0.12	2	0.46	897	5	0.01	8	0.004	40	3	23	3	0.01	5	9	12	166
RB-17	2	0.1	3.07	10	8	1142	9	0.41	1	19	432	606	13.93	2	0.19	13	1.43	1517	2	0.01	111	0.037	20	2	43	3	0.02	28	62	12	134
RB-18	2	0.2	2.28	3	2	84	30	0.35	1	13	24	2348	8.52	2	0.24	17	0.83	819	1	0.01	18	0.079	2	2	13	6	0.01	17	22	8	54
RB-19	2	0.3	1.59	16	14	67	10	0.13	1	11	25	1041	14.05	2	0.1	19	0.44	655	3	0.01	9	0.032	14	2	23	5	0.01	5	18	53	32
RB-20	2	0.6	2.22	2	22	48	25	0.2	1	14	41	1588	20.92	2	0.09	115	0.68	1113	2	0.01	11	0.042	7	2	19	2	0.02	10	50	90	39
RB-21	2	0.1	2.68	2	2	83	12	0.23	1	11	24	582	18.43	2	0.15	39	0.95	1135	2	0.01	12	0.031	9	2	19	5	0.01	5	27	106	35
RB-21D	2	4	2.24	44	15	270	4	17.72	1	2	21	113	1.58	2	1.62	32	0.22	359	10	0.33	19	0.021	94	7	681	9	0.05	5	83	2	102
RB-22	2	0.2	1.32	10	5	66	24	0.18	1	11	15	2587	10.23	2	0.18	14	0.25	683	2	0.01	12	0.068	8	3	11	5	0.01	15	16	17	33
RB-23	2	0.2	0.85	61	2	72	13	0.24	1	32	20	466	17.19	2	0.1	7	0.07	1269	9	0.01	6	0.024	5	2	59	4	0.01	6	31	87	28
DETECTION LIMIT	3	0.2	0.01	2	2	2	2	0.01	0.2	1	1	1	0.01	1	0.01	2	0.01	1	1	0.01	1	0.001	2	2	1	2	0.01	5	2	1	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B Ba Ca Cr Fe La Mg Mn Sr Ti AND W
DIGEST IS LIMITED FOR Al K AND Na

American Assay Laboratories

RED BLUFF PATENTED CLAIMS

Elaine Donohue
17460 Goldview
Lizona, Mich 48152

She owns 2/3 Little Dandy,(204-22-004D, 2/3 Keystone(204-22-004C)

Ski minerals and Louise Hicks
2722 Pasco Lane
Nampa, ID 83651

They own 1/3 Little Dandy, 1/3 Keystone, 1/3 Curley(all under parcel # 204-22-004A)

Louise Hicks
PO Box 996
Jerome, AZ 86331

She owns Homestake 2,3;Flying Dutchman, Lonestar, 250' of Amazon(All under parcel # 204-21-010)
She also owns the Toltec(204-22-003)

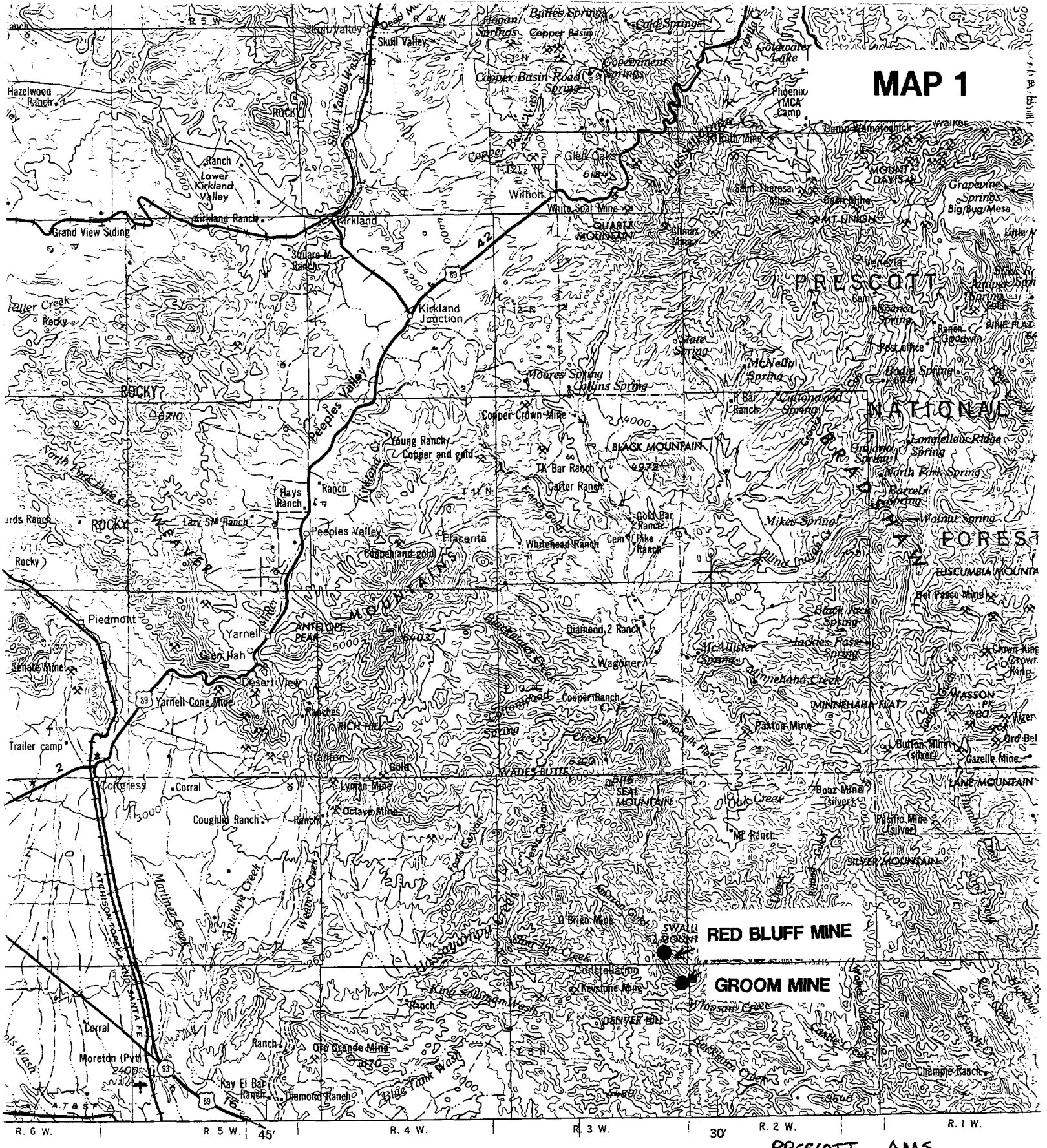
Floyd Norris
424 S. Irving Blvd
Las Angeles, Cal 90020

He owns Amazon less 250', Congo,Gypsy, Iron Hill, Cola (all under parcel # 204-21-009)

Arlace Moore
2491 Union Pike
Richmond, Ind 47374

He owns 2/3 Curley (204-22-004B)

MAP 1


RED BLUFF MINE
GROOM MINE
PRESCOTT
Kirkland
Kirkland Junction
Peeples Valley
Skull Valley
Congress
Yarnell
Piedmont
Wagoner
Placerita
Copper Basin
Copper Crown Mine
Wilhoit
Grand View Siding
Hazelwood Ranch
Lower Kirkland Valley
Square M Ranch
Hays Ranch
Lazy SM Ranch
Young Ranch
Copper and gold
TK Bar Ranch
Carter Ranch
Gold Bar Ranch
Whitehead Ranch
Diamond 2 Ranch
Cooper Ranch
Coughlin Ranch
Corral
Moreton (Pvt)
Kay El Bar Ranch
Diamond Ranch
Constellation
Keystone Mine
Oro Grande Mine
Champie Ranch
Paxton Mine
Button Mine (silver)
Gazelle Mine
Boaz Mine (silver)
Pacific Mine (silver)
Octave Mine
Lyman Mine
Trailer camp
Yarnell Cone Mine
Desert View
Glen Ilah
Senate Mine
Rocky
ROCKY
BLACK MOUNTAIN
QUARTZ MOUNTAIN
SILVER MOUNTAIN
LANE MOUNTAIN
WADES BUTTE
ANTELOPE PEAK
DENVER HILL
MINNEHAHA FLAT
Minnehaha Creek
Hassayampa Creek
Martinez Creek
Antelope Creek
Walker Creek
Peeples Valley
Kirkland Creek
Skull Valley Wash
Copper Basin Wash
Blue Tank Wash
Kirkland Wash
Copper Creek
Oak Creek
Lynx Creek
Granite Creek
Grapevine Springs
Big Bug Mesa
Mikes Spring
Walnut Spring
Longfellow Ridge Spring
North Fork Spring
McNelly Spring
Moores Spring
Collins Spring
Bodie Spring
Cottonwood Spring
Bel Pasco Mine
Black Rock Spring
Jackies Pass Spring
McAllister Spring
Campbells Flat
Phipson Creek
Kirkland Creek
Walker Creek
Lynx Creek
Granite Creek
Hassayampa Creek
Martinez Creek
Antelope Creek
Walker Creek
Peeples Valley
Kirkland Creek
Skull Valley Wash
Copper Basin Wash
Blue Tank Wash
Kirkland Wash
Copper Creek
Oak

1 14 17

~~18~~ (14) RB-1 (17)

41 gals | .15 | .17 | 0.022

?8' | 9' | 9' | 10'

15 16

(15) | (16)

135 gals | 0.032

15' | 25'?

19 20 21

(19) | (20) | (21)

77 gals | 0.139 | 77 gals

20' | 20' | 20'

Red Bluff

6/17 — WZR

Yes, Yes bA

you as manager won't tell us what to do or what you are going to have done if anything

FTG - you want copy of this type to go to NY?

I have not read until the Thanks says additional sampling

after chatting w/ MAM, I agree to a more comprehensive sampling, note to follow. JDS

6/17

~~JDS~~

I see no reason to send this to Brown at this time.

have sent RLB the 60' assay section of his PAX request JDS

JDS

ASARCO

EXPLORATIONDEPARTMENT
NEW YORK OFFICE

ASARCO Incorporated, 100 Maiden Lane, New York, NY 10038. Tel. 212-510-2000.

Facsimile message from R.L. Brown

Date: 19-Jun-91
03:35:12 PM

To: JDSell, Tucson

You will receive a total of 1 pages including this page. If you do not receive all pages, please call Ms. Jones 212 510-1872 or Ms. Vesce 212 510-1873.

R.L. Brown
Fax: 212 510-1978
Phone: 212 510-1870

Message:

TRhis will confirm that I will be in your office about 11 A M 6/.25/91 for the general purpose of reviewing your program and the specific compilation of the south Mohave which you were to have completed in time for this meeting.

ASARCO Southwestern Exploration Division

JDS

June 20, 1991

M.A. Miller

Additional Sampline
Red Bluff Mine
Yavapai County, AZ

Based on your meager sampling to date, in order to evaluate this property you should return and sample the total width of the structure on the outcrops you have mentioned verbally. This will allow the evaluation of the strike length and thickness of the mineralization.

A good geologic-structural map is needed to place the sample results in perspective of any down-dip expansion targets.

James D. Sell

JDS:mek

James D. Sell

cc: W.L. Kurtz
R.L. Brown

ANALYSIS REPORT

American Assay Laboratories

RENO: 1500 Glendale Ave,SPARKS 89431
P.O. Box 71060, RENO 89570
Ph (702)356 0606 Fax 3561413

(RB) Red Bluff Mine/Stanton Area
Yavapai Co, Az (LW)

ASARCO, INC.

REPORT : SP 011822 2 Page(s) Date : 06/11/91

Client reference : LW-12/RB-2 Project : RECON/YAVAPAI

Cost code :

Copies to : MARK MILLER (I)

J.D. SELL (RESULTS)

Samples : Type Preparation code
Received : 06/04/91

Analysis	Code	Quality Parameter	Detection	Units
Au	FA30	Acc. 15 %	5	ppb
Au(R)	FA30	Acc. 15 %	5	ppb

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 011822 Page 1/(6B) RED BLUFF MINE / SANTON AREA (LW) YAVAPAI CO, AZ

Sample	Au ppb	Au(R) ppb
LW-12	462	
LW-13	224	
LW-13D	313	
LW-14	589	609
LW-15	2995	3115
LW-16	31087	33733
LW-17	1518	
LW-18	324	
LW-19	49	
LW-20	120	
LW-21	158	
LW-22	148	
LW-23	70	
LW-24	45	42
LW-25	7	
LW-26	509	556
LW-27	836	
LW-27D	327	
LW-28	597	
LW-29	8	
LW-30	1496	1633
LW-31	216	
LW-32	700	
LW-33	3682	3467
LW-34	249	

Please see the cover sheet for further analysis details

ANALYSIS REPORT

American Assay Laboratories

REPORT : SP 011822 Page 2/6 Red Bluff Mine / Santa Cruz Co, Az (LW)

Sample	Au ppb	Au(R) ppb
LW-35	1297	
LW-36	920	
LW-37	25	24
LW-38	98	
LW-39	13	
RB-7	5	
RB-8	56	
RB-9	<5	
RB-10	20	
RB-11	308	324
RB-11D	328	
RB-12	8	
RB-13	4743	5255
RB-14	41	
RB-15	135	
RB-16	1141	
RB-17	750	
RB-18	72	
RB-19	137	
RB-20	4845	4697
RB-21	77	65
RB-21D	265	
RB-22	33	33
RB-23	28	41

Please refer to the cover sheet for further analysis details.

ASARCO

EXPLORATION DEPARTMENT
NEW YORK OFFICE

ASARCO Incorporated, 180 Maiden Lane, New York, NY 10038. Tel. 212-510-2000.

Facsimile message from R.L. Brown

Date: 06/11/91

To: JDSell, Tucson

You will receive a total of 1 **pages including this page. If you do not receive all pages, please call Ms. Jones 212 510–1872 or Ms. Vesce 212 510–1873.**

R.L. Brown
Fax: 212 510–1978
Phone: 212 510–1870

Message:

ASF...

JUN 1 1 1991

SW Exploration

Re Red Bluff Yavapai Co., recently related by Mark Mine
Have the assays of the 40' section been ... how did they turn out? And who owns the property?

File: Yavapai Co., Misc

JDS

CLIENT:	ASARCO, INC.
CLIENT REF:	RECONN/YAVAPAI
AAL REF:	RP011822
METHOD:	AAL 01-0

JUN 1 1 1991

SW Exploration

1500 GLENDALE AVE. SPARKS
NEVADA 89431
TELEPHONE (702) 356 0606
FACSIMILE (702) 356 1413

ELEMENT / SAMPLES	Au ppb	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
LW-12	2	0.9	0.9	7	18	791	2	0.34	1	6	14	28	1.74	2	0.32	26	0.1	1369	12	0.03	8	0.011	180	3	36	8	0.01	5	4	1	30
LW-13	2	0.4	0.8	8	7	238	2	0.18	1	5	33	44	2.13	2	0.29	53	0.09	1006	10	0.04	11	0.019	161	3	20	17	0.01	5	4	1	19
LW-13D	2	4.2	2.1	43	16	455	4	19.48	1	3	21	108	1.31	2	1.36	29	0.21	336	9	0.29	19	0.02	90	3	639	8	0.04	5	85	1	115
LW-14	2	1.5	1.04	4	8	157	2	0.15	1	3	18	30	1.65	2	0.56	47	0.09	307	9	0.09	7	0.019	223	2	27	12	0.01	5	5	1	22
LW-15	3	1.5	0.6	8	7	112	2	0.5	1	5	11	27	2.55	2	0.17	60	0.08	596	6	0.04	6	0.017	273	2	28	18	0.01	5	6	1	40
LW-16	46	13.7	0.39	30	4	256	6	0.12	1	7	38	402	5.92	2	0.15	19	0.05	334	1202	0.02	24	0.009	4818	67	18	5	0.01	13	119	13	42
LW-17	2	0.6	0.43	9	5	201	2	0.21	1	2	7	88	1.14	2	0.07	48	0.12	1290	15	0.03	5	0.011	885	2	26	21	0.01	5	11	7	19
LW-18	2	0.1	0.62	7	9	68	2	0.41	1	2	21	34	1.58	2	0.25	31	0.04	246	16	0.11	8	0.008	66	2	7	12	0.01	5	3	1	14
LW-19	2	0.1	0.45	5	2	42	2	0.4	1	2	12	11	1.31	2	0.11	33	0.03	142	3	0.06	7	0.011	25	2	6	13	0.01	5	3	1	12
LW-20	2	0.1	0.68	4	7	91	2	0.15	1	4	22	32	2	2	0.21	59	0.06	381	4	0.07	8	0.018	27	2	18	22	0.01	5	6	1	27
LW-21	2	0.1	0.48	7	4	140	2	0.22	1	4	12	15	1.76	2	0.12	54	0.09	606	4	0.04	5	0.025	82	2	19	49	0.01	5	5	1	28
LW-22	2	0.1	0.75	7	7	44	2	0.18	1	3	18	27	1.65	2	0.28	33	0.05	244	9	0.12	8	0.013	62	2	11	36	0.01	5	4	1	24
LW-23	2	0.3	0.32	4	6	11	2	0.14	1	2	10	11	1.17	2	0.08	29	0.03	118	6	0.04	5	0.005	48	2	4	31	0.01	5	4	1	19
LW-24	2	0.1	0.35	2	3	24	2	0.23	1	2	18	30	1.33	2	0.17	25	0.03	354	8	0.09	5	0.001	44	2	8	41	0.01	5	2	1	22
LW-25	2	0.1	1.55	5	2	62	2	1.47	1	24	144	69	3.54	2	0.14	2	0.88	732	1	0.13	43	0.035	6	2	28	2	0.14	5	52	1	70
LW-26	2	0.2	0.89	2	26	39	2	0.15	1	3	19	37	1.2	2	0.34	34	0.08	366	5	0.02	7	0.002	160	2	13	33	0.01	5	5	1	13
LW-27	2	0.4	0.05	9	2	10	2	0.09	1	6	32	26	2.52	2	0.01	2	0.02	232	5	0.01	17	0.002	193	5	3	2	0.01	5	6	2	6
LW-27D	2	4.1	2.46	44	13	512	2	18.41	1	3	19	97	1.33	2	1.74	35	0.2	362	9	0.36	17	0.021	94	5	726	10	0.05	5	76	1	112
LW-28	2	0.2	0.44	7	9	52	2	0.2	1	3	16	17	1.42	2	0.14	33	0.06	236	2	0.04	9	0.008	32	3	10	33	0.01	5	5	1	11
LW-29	2	0.2	2.63	4	4	142	2	1.2	1	43	14	186	6.99	2	0.18	5	1.16	1673	12	0.06	23	0.067	12	2	36	2	0.12	5	137	1	108
LW-30	2	1.9	0.78	5	19	21	2	0.3	1	4	32	59	1.81	2	0.32	32	0.08	409	93	0.03	10	0.002	679	2	16	24	0.01	5	13	2	20
LW-31	2	0.7	0.91	7	15	102	2	0.3	1	3	14	16	1.51	2	0.15	33	0.16	2124	210	0.02	8	0.002	2140	2	17	38	0.01	5	14	2	21
LW-32	2	0.5	0.41	7	5	20	2	0.28	1	3	21	41	1.47	2	0.14	33	0.05	232	10	0.08	7	0.002	94	2	11	28	0.01	5	3	1	14
LW-33	35	4.4	0.11	4	3	22	2	0.06	1	6	31	23	2.65	2	0.05	6	0.02	357	33	0.01	15	0.005	284	2	8	2	0.01	5	6	1	6
LW-34	2	0.2	0.61	3	11	17	2	0.37	1	2	20	28	1.31	2	0.13	31	0.09	240	3	0.08	6	0.001	33	2	13	41	0.01	5	3	1	16
DETECTION LIMIT	3	0.2	0.01	2	2	2	2	0.01	0.2	1	1	1	0.01	1	0.01	2	0.01	1	1	0.01	1	0.001	2	2	1	2	0.01	5	2	1	1

0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
DIGEST IS PARTIAL FOR B Ba Ca Cr Fe La Mg Mn Sr Ti AND W
DIGEST IS LIMITED FOR Al K AND Na

American Assay Laboratori

JUN-11-1991 15:31 FROM AMER.ASSAY LABS-RENO TO 16027923934 P.01

ASARCO

JUN 1 1 1991

SW Exploration

CLIENT:	ASARCO, INC.
CLIENT REF:	RECON/TAVAPAI
AAL REF:	SP011822
METHOD:	AAL 01-0

1500 GLENDALE AVE. SPARKS
NEVADA 89431
TELEPHONE (702) 356 0606
FACSIMILE (702) 356 1413

TOTAL P.02

ELEMENT SAMPLES	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm
IN-35	2	0.6	0.75	4	21	50	2	0.11	1	3	17	26	1.49	2	0.35	15	0.06	3215	9	0.02	9	0.002	329	10	23	25	0.01	6	5	1	20
IN-36	2	0.4	0.64	3	37	26	3	0.44	1	3	20	33	1.13	2	0.29	30	0.06	100	2	0.01	6	0.003	54	2	14	39	0.01	5	6	1	10
IN-37	2	0.1	0.38	2	8	88	2	0.17	1	4	16	12	1.44	2	0.11	43	0.02	489	2	0.06	9	0.015	34	3	16	31	0.01	5	3	1	12
IN-38	2	0.1	0.38	5	4	24	2	0.15	1	2	19	24	1.28	2	0.11	28	0.04	277	2	0.07	5	0.003	37	2	9	35	0.01	5	3	1	13
IN-39	2	0.2	0.52	4	7	17	2	0.37	1	2	12	8	1.28	2	0.06	24	0.11	644	2	0.05	9	0.001	48	2	11	46	0.01	5	4	1	30
RB-7	2	0.2	1.39	6	3	129	2	3.26	1	10	31	58	2.87	2	0.16	58	0.44	609	1	0.03	18	0.155	15	2	88	14	0.05	5	41	1	61
RB-8	2	0.2	0.37	3	4	75	2	0.11	1	6	20	30	2.26	2	0.21	14	0.06	437	2	0.03	11	0.02	9	2	19	5	0.01	5	11	1	17
RB-9	2	0.2	2.53	6	2	72	2	4.18	1	28	48	97	5.11	2	0.11	8	1.22	879	1	0.05	66	0.074	13	3	58	3	0.06	5	76	3	100
RB-10	2	0.3	1.18	13	10	109	2	0.32	1	16	21	153	3.89	2	0.23	24	0.29	687	3	0.03	13	0.043	16	3	21	14	0.01	5	27	2	58
RB-11	2	0.5	1.19	11	9	49	21	0.42	1	13	20	1259	13.64	2	0.25	10	0.15	421	10	0.01	8	0.04	21	2	73	12	0.01	5	44	2	50
B-11D	2	4.8	2.18	45	11	418	3	20.94	1	5	21	112	1.42	2	1.46	30	0.22	358	10	0.3	17	0.025	98	6	657	9	0.05	5	92	1	123
TANDARD C	6	7.4	1.9	38	34	178	20	0.48	18.8	32	59	62	3.95	2	0.15	39	0.88	1059	19	0.07	70	0.092	42	14	53	40	0.09	17	57	11	132
-12	2	0.1	0.5	2	7	21	2	0.12	1	4	22	38	2.52	2	0.13	6	0.14	368	2	0.03	6	0.004	5	2	7	8	0.01	5	3	3	13
-13	3	2.3	1.68	2	8	59	173	0.78	1	12	14	899	15.29	2	0.11	18	0.38	674	4	0.02	9	0.024	187	2	42	9	0.01	26	44	40	56
-14	2	0.2	1.12	4	9	272	7	0.26	1	6	17	399	5.16	2	0.14	10	0.28	943	3	0.02	7	0.002	30	2	20	7	0.01	5	4	3	68
-15	2	0.5	1.13	7	5	1959	15	0.3	1	7	15	1424	4.63	2	0.13	4	0.22	1265	4	0.01	8	0.004	235	3	51	3	0.01	5	9	3	142
-16	2	1.4	1.66	8	5	342	65	0.29	1	8	24	2439	7.87	3	0.12	2	0.46	897	5	0.01	8	0.004	40	3	23	3	0.01	5	9	12	166
-17	2	0.1	3.07	10	8	1142	9	0.41	1	19	432	606	13.93	2	0.19	13	1.43	1517	2	0.01	111	0.037	20	2	43	3	0.02	28	62	12	234
-18	2	0.2	2.28	3	2	86	30	0.35	1	13	24	2348	8.52	2	0.24	17	0.83	819	1	0.01	18	0.079	2	2	13	6	0.01	17	22	8	54
-19	2	0.3	1.59	16	14	67	10	0.13	1	11	25	1041	14.05	2	0.1	19	0.44	655	3	0.01	9	0.032	14	2	23	5	0.01	5	18	53	32
-20	2	0.6	2.22	2	22	48	25	0.2	1	14	41	1588	20.92	2	0.09	115	0.68	1113	2	-0.01	11	0.042	7	2	19	2	0.02	10	50	90	39
-21	2	0.1	2.68	2	2	83	12	0.23	1	11	24	582	18.43	2	0.15	39	0.95	1135	2	0.01	12	0.031	9	2	19	5	0.01	5	27	106	35
-21D	2	4	2.24	44	15	270	4	17.72	1	2	21	113	1.58	2	1.62	32	0.22	359	10	0.33	19	0.021	94	7	681	9	0.05	5	83	2	102
-22	2	0.2	1.32	10	5	66	24	0.18	1	11	15	2587	10.23	2	0.18	14	0.25	683	2	0.01	12	0.068	8	3	11	5	0.01	15	16	17	33
-23	2	0.2	0.85	61	2	72	13	0.24	1	32	20	466	17.19	2	0.2	7	0.07	1269	9	0.01	6	0.024	5	2	59	4	0.01	6	31	87	28
ETECTION LIMIT	3	0.2	0.01	2	2	2	2	0.01	0.2	1	1	1	0.01	1	0.01	2	0.01	1	1	0.01	1	0.001	2	2	1	2	0.01	5	2	1	1

00 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.
EST IS PARTIAL FOR B Ba Ca Cr Fe La Mg Mn Sr Ti AND W
EST IS LIMITED FOR Al K AND Na

American

JDS

ASARCO

Southwestern Exploration Division

July 1, 1991

R.L. Brown

Red Bluff Mine
Yavapai County, AZ

Your FAX question of 6/11/91 concerning M.A. Miller's 60' of sample at the Red Bluff Mine.

Sample RB-19 (HW), 20' cut = 137 ppb gold
Sample RB-20 , 20' cut = 0.139 opt gold
Sample RB-21 (FW), 20' cut = 77 ppb gold

All sampling to date has only produced this one set where the entire zone was cut. As noted, only the central part is of interest.

The property is optioned to another party at the present time. M.A. Miller's sampling of the zone suggests only a 20'-30' thickness of ±0.1 opt gold values and no indication of increased values in hanging wall or footwall based on alteration or available samples.

Additional sampling may be done in the future to confirm the narrow thickness of interesting values.

Whether a case can be made for drilling remains open at this time.

JDS:mek

J.D. Sell

cc: W.L. Kurtz
M.A. Miller

PRELIMINARY REPORT

REPORT : SP 011822

Sample	Au ppb	Au(R) ppb		
LW-35	1297			0.038 opt
LW-36	920			0.027 opt
LW-37	25	24		
LW-38	98			
LW-39	13			
RB-7	5		Red Bluff	
RB-8	56		Yavapai Co	
RB-9	<5			
RB-10	20			
RB-11	308	324		
RB-11D	328			
RB-12	8			
RB-13	4743 ~~DTF~~	5255		0.140 ~~0.135~~ opt
RB-14	41			
RB-15	135			
RB-16	1141			0.034 opt
RB-17	750			0.022 opt
RB-18	72			
RB-19	137			
RB-20	4845	4697		0.143 opt
RB-21	77	65		
RB-21D	265			
RB-22	33	33		
RB-23	28 ~~DTF~~	41		

Please refer to the cover sheet for further analysis details.

American Assay Laboratories Inc.

Sparks Office
500 Glendale Ave.
Nevada 89431
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Reno, NV. 89570
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(702) 356-0606
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(702) 356-1413

Elko Office
2320 Last Chance Rd.
Nevada 89801
Box 2908
Elko, NV. 89801
Telephone
(702) 738-9100
Fax
(702) 738-2594

FACSIMILE COMMUNICATION

TO: Asarco Inc.

FROM: AAL

SUBJECT: DTF results

AAL JOB CODE: SP00 11822

PROJECT GEOLOGIST: J. D. Sell

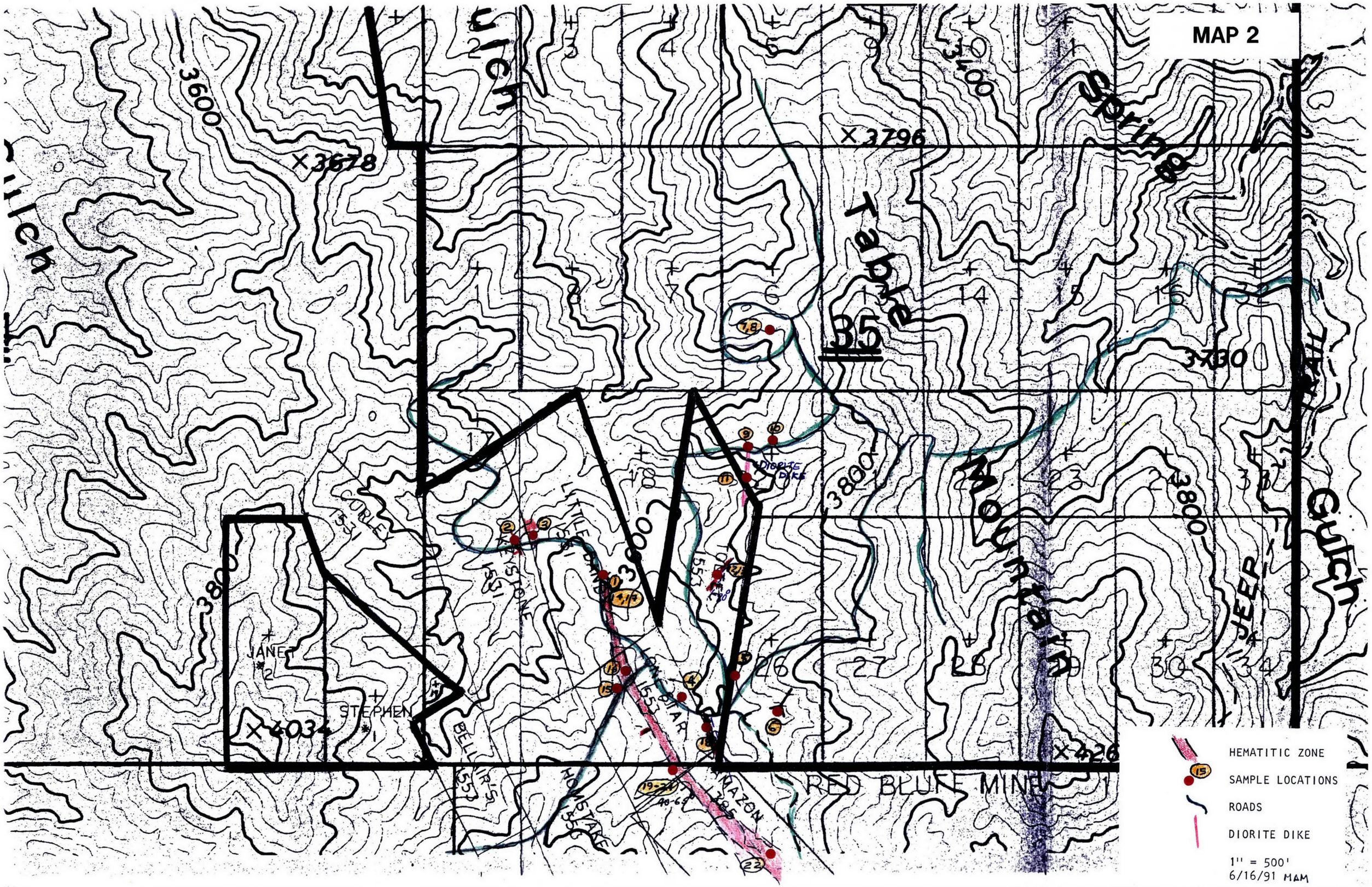
REFERENCE PO#: Reno/Yavapai

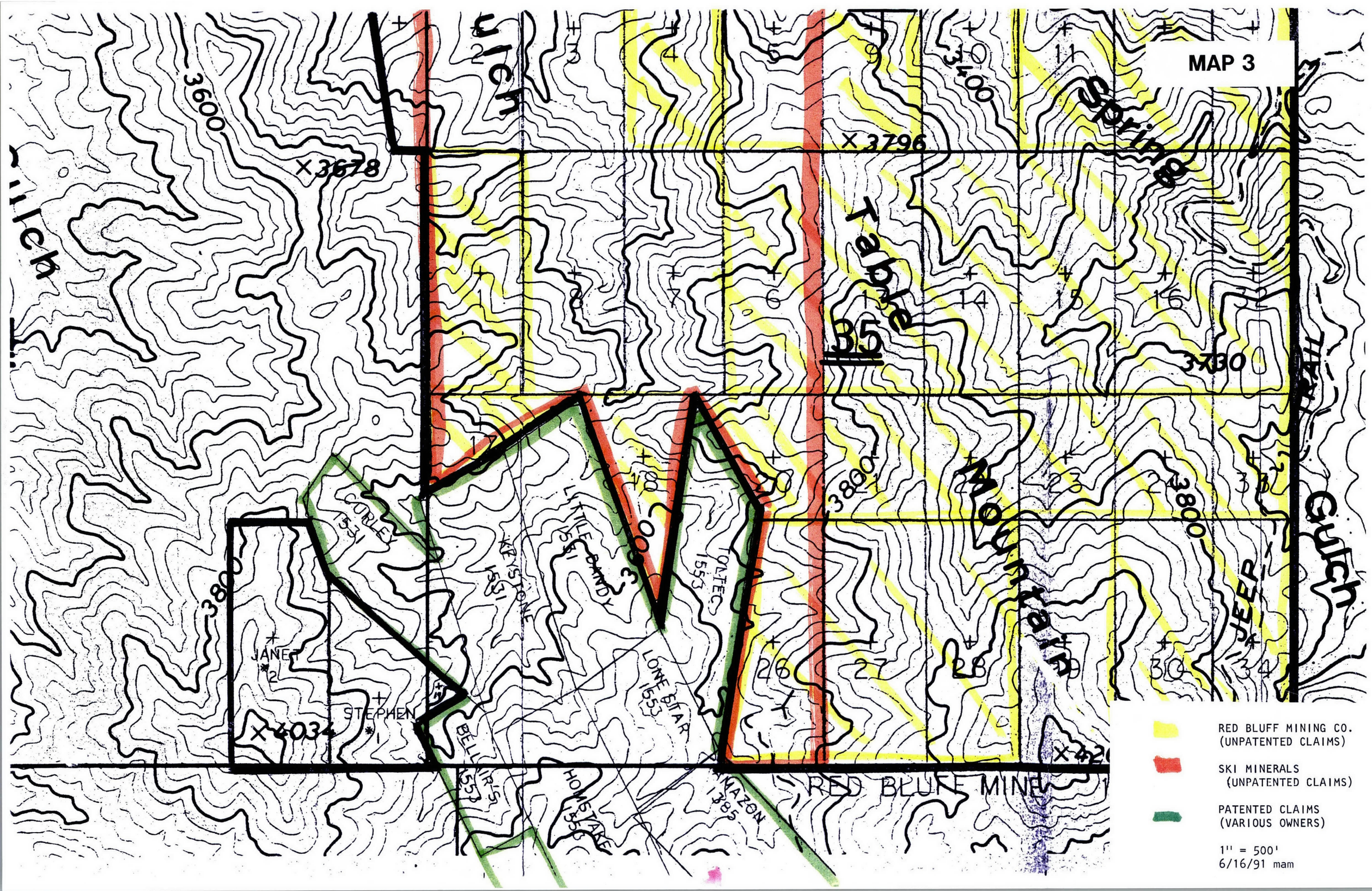
SAMPLE NUMBER	Au	Au(R)
LW: 16	31087	33733
33	3682	3467
RB: 13	4743	5255
23	28	41

AUTHORIZED BY: Susan Fairclotth DATE 6/10/91 TIME

JUN 1 0 1991

TOTAL P.01


MAP 2
3600
X3678
X3796
3400
Spring
Table
35
3X30
Gulch
3800
Montana
JEEP
Gulch
JANET
*2
STEPHEN
*1
X4034
X426
RED BLUFF MINE
DIORITE DIKE
HEMATITIC ZONE
SAMPLE LOCATIONS
ROADS
DIORITE DIKE
1" = 500'
6/16/91 MAM


MAP 3
Gulch
Spring
Table
Mountain
JEEP
Gulch
RED BLUFF MINE
3600
3400
3800
3780
X3796
X3678
X4034
X420
JANET
STEPHEN
CORLEY
LITTLE DANDY
KEYSTONE
TOLTEC
LONE STAR
BELLE AIR'S
HOMESTAKE
AMAZON
RED BLUFF MINING CO.
(UNPATENTED CLAIMS)
SKI MINERALS
(UNPATENTED CLAIMS)
PATENTED CLAIMS
(VARIOUS OWNERS)
1" = 500'
6/16/91 mam