



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

The following file is part of the A. F. Budge Mining Ltd. Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

DMEA Ltd.
Mineral Exploration Advice

Ben F. Dickerson III
Registered & Certified Geologist
Carole A. O'Brien
Geologist & Associate

4203 N. Brown Avenue, Suite F
Scottsdale, AZ 85251
(602) 945-4630

November 26, 1984

James M. Prudden
4809 Quail Point Road
Salt Lake City, UT 84124

Re: Placer work
Vulture Mine, Arizona

Dear Mr. Prudden:

Enclosed is my check # 1294, in the amount of \$1,000.00, as an advance for certain placer sampling work to be performed at the Vulture mine property.

It is understood that your personal services will be supplied at a rate of \$375/day, plus normal living expenses; and that your gold saving machine will be rented at \$35/day.

We will supply appropriate electric power, water and required ancillary equipment at no cost to you.

If you have any questions, please contact us at your first opportunity.

Very truly yours,

Ben F. Dickerson III

BFD:ca
encl. (1)

DMEA Ltd.
Mineral Exploration Advice

Ben F. Dickerson III
Registered & Certified Geologist
Carole A. O'Brien
Geologist & Associate

4203 N. Brown Avenue, Suite F
Scottsdale, AZ 85251
(602) 945-4630

November 26, 1984

James M. Prudden
4809 Quail Point Road
Salt Lake City, UT 84124

Re: Placer work
Vulture Mine, Arizona

Dear Mr. Prudden:

Enclosed is my check # 1294, in the amount of \$1,000.00, as an advance for certain placer sampling work to be performed at the Vulture mine property.

It is understood that your personal services will be supplied at a rate of \$375/day, plus normal living expenses; and that your gold saving machine will be rented at \$35/day.

We will supply appropriate electric power, water and required ancillary equipment at no cost to you.

If you have any questions, please contact us at your first opportunity.

Very truly yours,

Ben F. Dickerson III

BFD:ca
encl. (1)



Merrill Lynch Cash Management Account®

BEN F. DICKERSON III

6648 E. JEAN DR.
SCOTTSDALE, AZ 85254

1334

Dec. 13 1984

$\frac{25-80}{440}$

Pay to the
order of

James M. Prudden

\$500.00

Five hundred & $\frac{00}{100}$

Dollars

BANK ONE™
BANK ONE, COLUMBUS, NA
Columbus, Ohio 43271



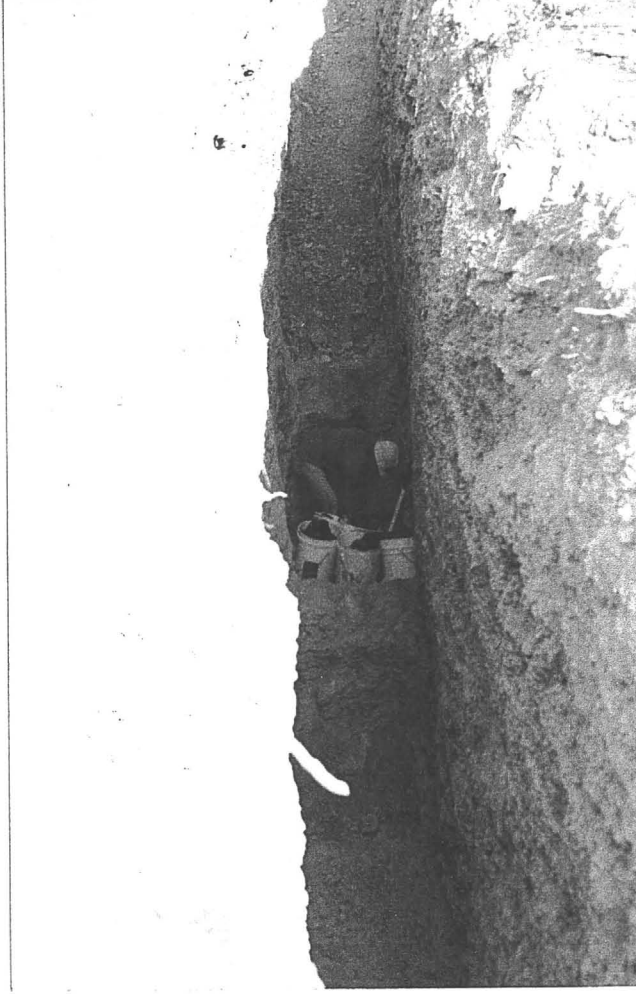
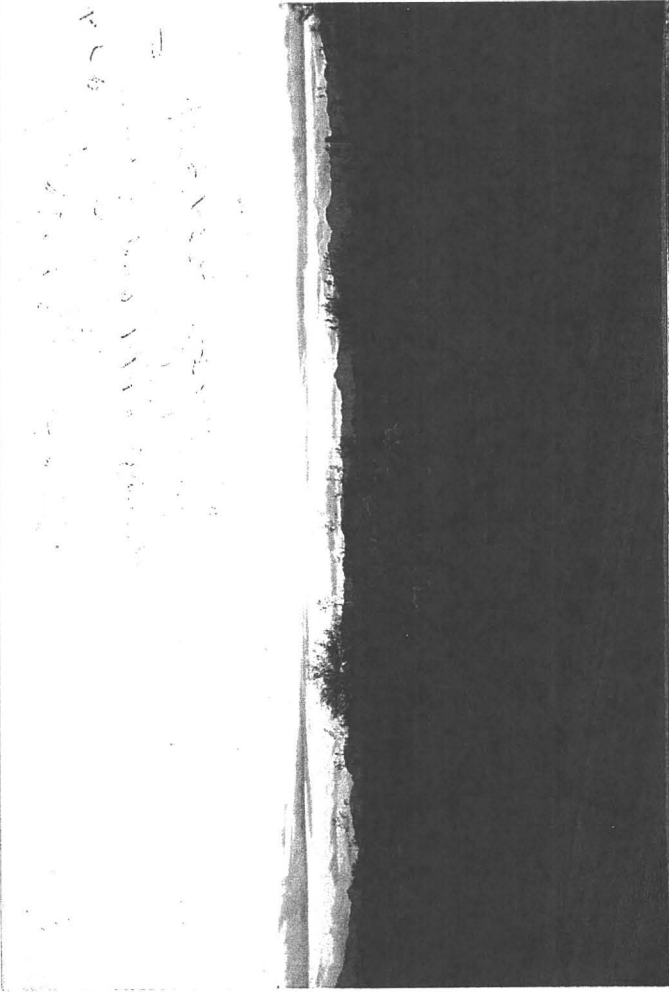
Signature

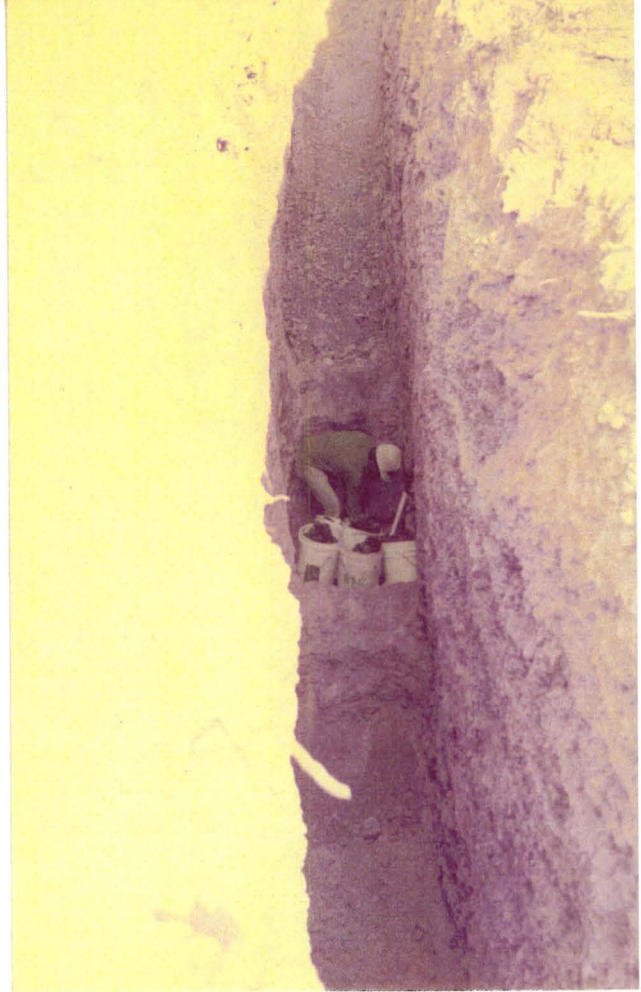
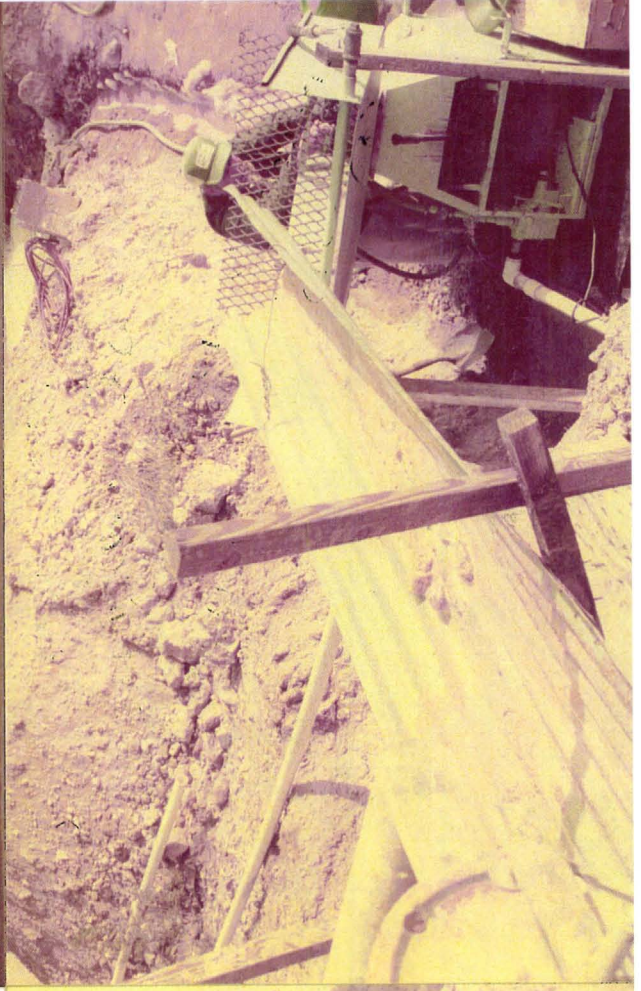
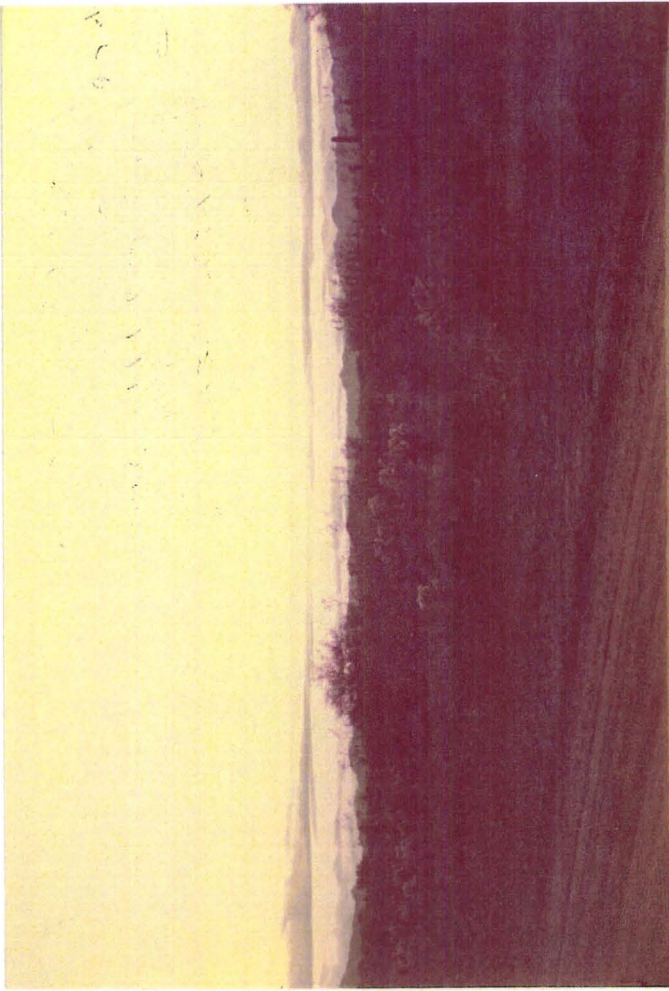
For Advance on Expenses

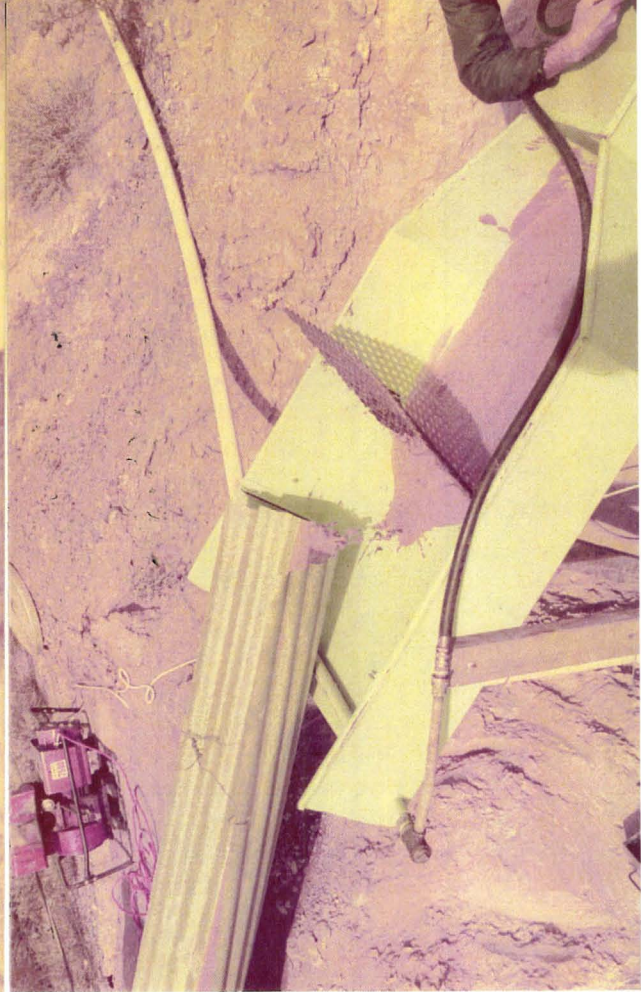
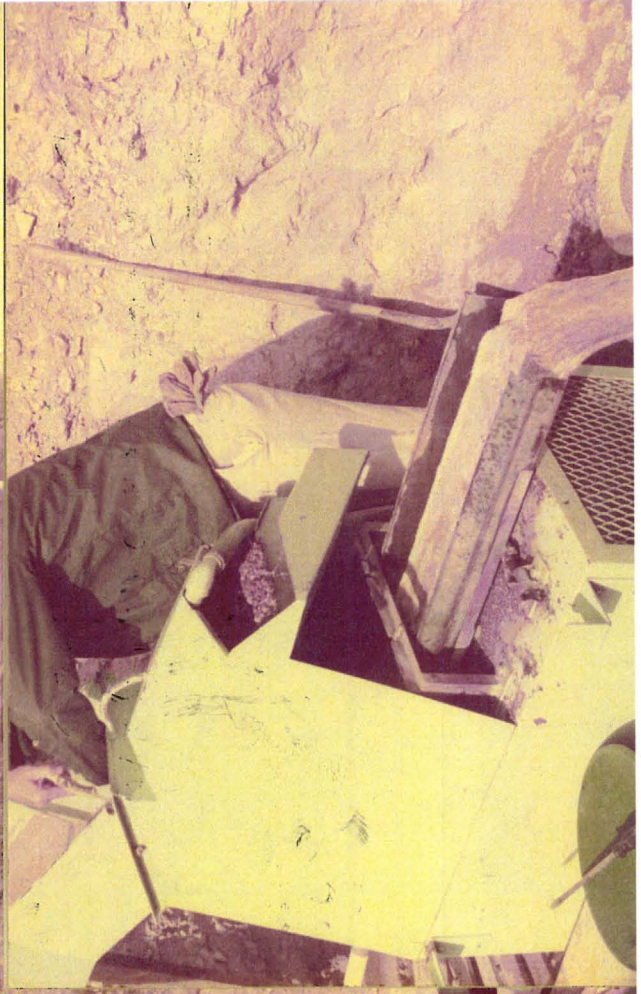
B. F. Dickerson III

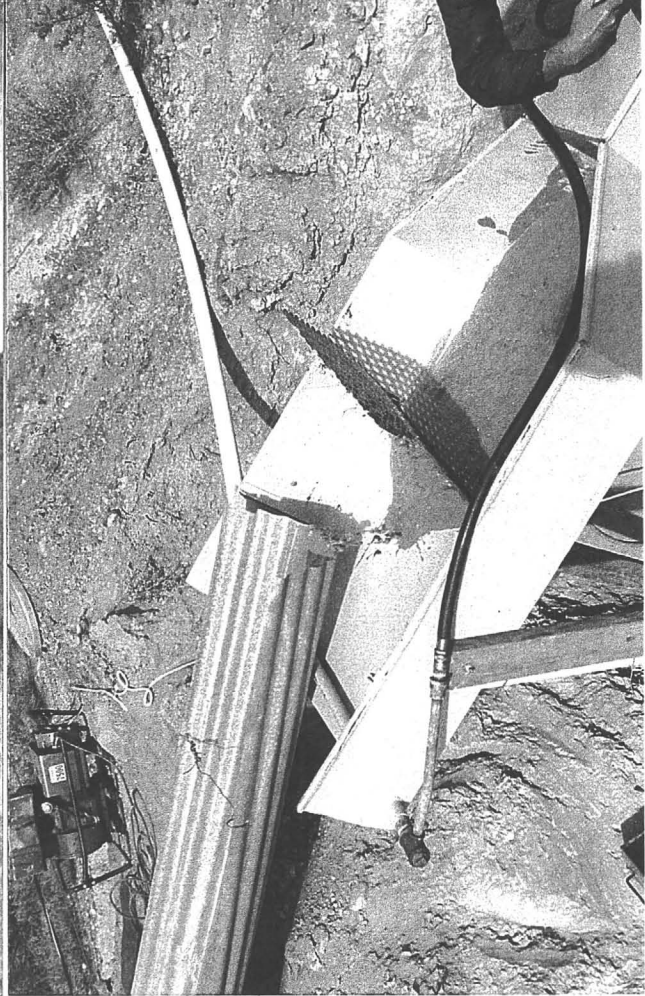
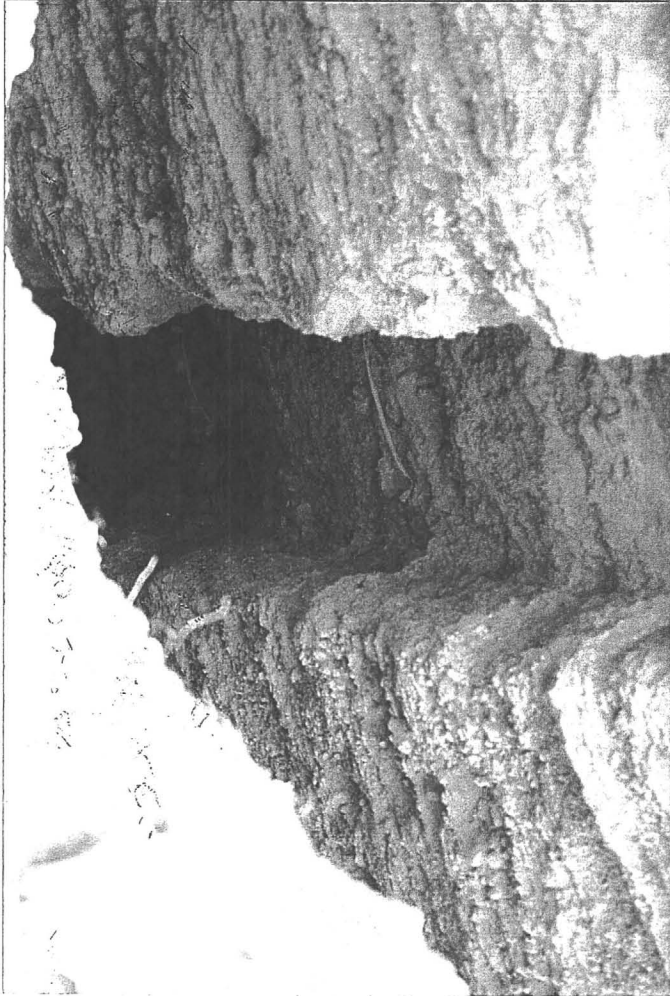
HARLAND DFS











DMEA LTD.

RECEIVED JAN 16 1985

PRELIMINARY TESTS

SAMPLE NO. 1/1/6-10 conc. as received.
 Weight as received 673 gr. lbs ; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.127 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXX 0.007
 SILVER oz/T XXXXXXX 0.05
 TOTAL mg Gold 2.780 0.161
 TOTAL mg silver N/A 1.15

Percent recovery

gold = 94.53

silver = N/A

$673/29.166 = 23.07$ A.T.

$2.941/23.07 = .127$

673 grams milled 4 hours

8 hours agitated w/135 gr.Hg.

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide

lb/Ton
 Solution = _____

Ore = _____

Lime lb/Ton

Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____

METALLICS
 200 grams - 100 Mesh

10 minute screening time

Iron
 mg
 METALLICS PULP

Wt. g _____

Oz/T gold _____

Oz/T silver _____

Wt. Gold mg Wt. Gold mg

Wt. silver mg Wt. silver mg

Michael G. Jacobs
 REGISTERED ASSAYER
 MICHAEL G. JACOBS
 DATE SIGNED _____
 Arizona U. S. A.

JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 1/1/0-6 conc as received.
 Weight as received 927 gr. lbs; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.217 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

METALLICS
 200 grams - 100 Mesh

10 minute screening time

Iron
 mg

METALLICS PULP

GOLD oz/T	<u>XXXXXXX</u>	<u>0.005</u>	_____	_____
SILVER oz/T	<u>XXXXXXX</u>	<u><0.05</u>	_____	_____
TOTAL mg Gold	<u>6.734</u>	<u>0.1589</u>	_____	_____
TOTAL mg silver	<u>XXX</u>	<u>N/A</u>	_____	_____

Wt. g	_____	_____
Oz/T gold	_____	_____
Oz/T silver	_____	_____
Wt. Gold mg	_____	Wt. Gold mg _____
Wt. silver mg	_____	Wt. silver mg _____

Percent recovery
 gold = 97.69
 silver = N/A

Free sodium cyanide
 lb/Ton
 Solution = _____

Ore = _____

927/29.166 = 31.78 A.T.
 6.8929/31.78 = .2169 OZ/TON Au

Lime lb/Ton
 Solution = _____

Ore = _____

927 grams milled 4 hours
 8 hours agitated w/195 gr. Hg.

Percent recovery

gold = _____

silver = _____

PH _____

Michael G. Jacobs



Registered Assayer
 Michael G. Jacobs

JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 1/1/10'-14:5" concs received.
 Weight as received 4635 gr. ~~XXX~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.085 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

TAILS

SOLUTION

TAILS

METALLICS
 200 grams - 100 Mesh

10 minute screening
 time

→ Iron

mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.002

Wt. g _____

SILVER oz/T XXXXXXX

0.05

Oz/T gold _____

TOTAL mg Gold 13.145

0.318

Oz/T

TOTAL mg

silver N/A

7.95

silver _____

Wt. Gold _____

Wt. Gold _____

mg _____

mg _____

Percent recovery

gold = 97.64

silver = N/A

Free sodium cyanide

1b/Ton

Solution = _____

Ore = _____

Wt. silver _____

Wt. silver _____

mg _____

mg _____

$4635/29.166 = 158.92$

$13.463/158.92 = 0.085$

4635 grams milled 4 hours
 8 hour agitated w/930 gr.Hg.

Lime 1b/Ton

Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

PH _____



JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 1/2/1 (4'-8') as received.
 Weight as received 503 gr. ~~XXX~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.058 ^(calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXX
 SILVER oz/T XXXXXXX
 TOTAL mg Gold 0.835
 TOTAL mg silver N/A

Percent recovery
 gold = 82.84
 silver = N/A

503/29.166 = 17.25
 1.008/17.25 = 0.058

503 grams milled 4 hours
 8 hours agitated w/100 gr.Hg.

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
 lb/Ton
 Solution = _____

Ore = _____

Lime lb/Ton
 Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____

METALLICS
 200 grams - 100 Mesh

10 minute screening
 time

→ Iron
 mg
 METALLICS PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg Wt. Gold mg
 Wt. silver mg Wt. silver mg

Michael G. Jacobs

REGISTERED ASSAYER
 MICHAEL G. JACOBS
 11650
 DATE SIGNED _____
 Arizona U. S. A.

JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 1/2/2 conc. as received.
 Weight as received 399 gr. ~~xxxx~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.249 (calo) oz/T, Silver N/A oz/T
 GOLD/200 grams xxxx mg; SILVER/200 grams xxxx

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXXX 0.014
 SILVER oz/T XXXXXXXX 0.05
 TOTAL mg Gold 3.210 0.192
 TOTAL mg silver N/A 0.68

Percent recovery

gold = _____

silver = N/A

399/29.166 = 13.68 A.T.

3.402/13.68 = 0.249

399 grams milled 4 hours
 8 hours agitated w/80 gr.Hg.

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
 lb/Ton Solution = _____

Ore = _____

Lime lb/Ton Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

PH _____

METALLICS
 200 grams - 100 Mesh

10 minute screening time

→ Iron
_____ mg

METALLICS PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg _____ Wt. Gold mg _____

Wt. silver mg _____ Wt. silver mg _____

Michael G. Jacobs

Registered Assayer
 MICHAEL G. JACOBS
 JACOBS
 DATE SIGNED _____
 Arizona U. S. A.

JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 2/1/1 conc. as received.
 Weight as received 722 gr. ~~lbs~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.033 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION

200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

TAILS

CYANIDATION

200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION

TAILS

METALLICS

200 grams - 100 Mesh

10 minute screening time

→ Iron

mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.002

Wt. g _____

SILVER oz/T XXXXXXX

0.05

Oz/T gold _____

TOTAL mg Gold 0.765

0.050

Oz/T _____

TOTAL mg

silver N/A

1.24

silver _____

Wt. Gold _____

Wt. Gold _____

mg _____

mg _____

Percent recovery

gold = _____

silver = _____

Free sodium cyanide

lb/Ton

Solution = _____

Ore = _____

Wt. silver _____

Wt. silver _____

mg _____

mg _____

$722/29.166 = 24.75$

$.815/24.75 = .033$

722 grams milled 4 hours

8 hours agitated w/145 grams Hg.

Lime lb/Ton

Solution = _____

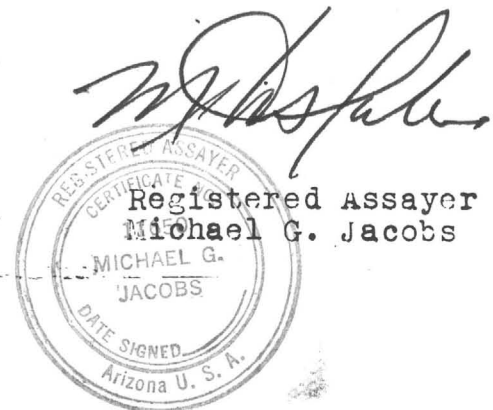
Ore = _____

Percent recovery

gold = _____

silver = _____

PH _____



DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 2/1/2 conc. as received.
 Weight as received 1126 gr. lbs ; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.243 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXX 0.004
 SILVER oz/T XXXXXXX 0.05
 TOTAL mg Gold 9.22 0.154
 TOTAL mg silver N/A 1.93

Percent recovery
 gold = 98.36
 silver = N/A

$1126/29.166 = 38.61$ A.T.
 $9.374/38.61 = 0.243$
 1126 grams milled 4 hours
 8 hours agitated w/225 gr.Hg.

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
 lb/Ton Solution = _____

Ore = _____
 Lime lb/Ton
 Solution = _____
 Ore = _____

Percent recovery
 gold = _____
 silver = _____

pH _____

METALLICS
 200 grams - 100 Mesh

10 minute screening
 time

Iron _____ mg
 METALLICS PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg Wt. Gold mg
 Wt. silver mg Wt. silver mg

Michael G. Jacobs
 Registered Assayer
 Michael G. Jacobs
 11650
 MICHAEL G. JACOBS
 DATE SIGNED _____
 Arizona U. S. A.

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 3/1/1 conc as received.
 Weight as received 1643 gr. lbs ; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.048 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXX 0.013
 SILVER oz/T XXXXXXX <0.05
 TOTAL mg Gold 1.990 0.732
 TOTAL mg silver N/A N/A

Percent recovery

gold = 73.11

silver = N/A

$1643/29.166 = 56.33$

$2.722/56.33 = 0.048$

1643 grams milled 4 hours

8 hours agitated w/330 gr.Hg.

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
 lb/Ton
 Solution = _____

Ore = _____

Lime lb/Ton
 Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

PH _____

METALLICS
 200 grams - 100 Mesh

10 minute screening
 time

Iron
 mg
 METALLICS PULP

Wt. g _____

Oz/T gold _____

Oz/T silver _____

Wt. Gold mg _____

Wt. Gold mg _____

Wt. silver mg _____

Wt. silver mg _____

Michael G. Jacobs
 Registered Assayer
 Michael G. Jacobs
 MICHAEL G. JACOBS
 DATE SIGNED _____
 Arizona U. S. A.

DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 3/1/2 conc as received.
Weight as received 553 gr. XXXX ; Size, all minus 3/8 inches
HEAD ASSAY: Gold 12.897^(calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXXX 0.023
SILVER oz/T XXXXXXXX <0.05
TOTAL mg Gold 244.10 0.436
TOTAL mg silver N/A N/A

Percent recovery
gold = 99.82
silver = N/A

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
lb/Ton Solution = _____
Ore = _____

Lime lb/Ton
Solution = _____
Ore = _____

Percent recovery
gold = _____
silver = _____

pH _____

METALLICS
200 grams - 100 Mesh

10 minute screening
time

Iron _____ mg
METALLICS PULP

Wt. g _____
Oz/T gold _____
Oz/T silver _____
Wt. Gold mg Wt. Gold mg
Wt. silver mg Wt. silver mg

553/29.166 = 18.96 A.T.
244.536/18.96 = 12.897 OZ/TON Au

553 grams milled 4 hours
8 hours agitated w/110 gr.Hg.

Note:
207.0 Mg free gold weighed
prior to amalgamating.

Michael G. Jacobs
Registered Assayer
Michael G. Jacobs
11650
MICHAEL G. JACOBS
DATE SIGNED _____
Arizona U. S. A.

DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 3/2/1 conc. as received.
Weight as received 612 gr. ~~xxx~~; Size, all minus 3/8 inches
HEAD ASSAY: Gold 5.15 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

TAILS

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

SOLUTION

TAILS

METALLICS
200 grams - 100 Mesh

10 minute screening time

Iron

mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.033

Wt. g _____

SILVER oz/T XXXXXXX

0.05

Oz/T gold _____

TOTAL mg Gold 107.31

0.692

Oz/T

TOTAL mg silver N/A

1.05

silver _____

Wt. Gold _____

Wt. Gold _____

mg _____

mg _____

Percent recovery

gold = 99.36

silver = N/A

Free sodium cyanide

lb/Ton

Solution = _____

Ore = _____

Wt. silver _____

Wt. silver _____

mg _____

mg _____

612/29.166 = 20.98 A.T.

108.00/20.98 = 5.15

612 grams milled 4 hours

8 hours agitated w/125 gr.Hg.

Lime lb/Ton

Solution = _____

Ore = _____

Percent recovery

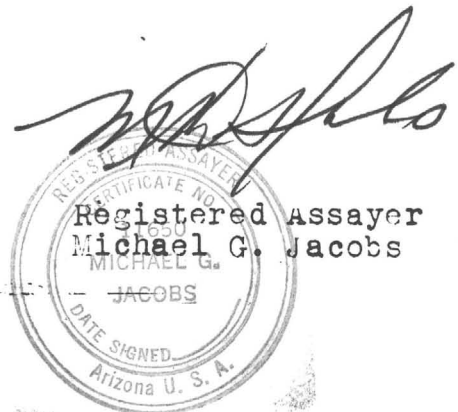
gold = _____

silver = _____

Note:

Mg. of free gold wts. 79.05
6.799
4.297

PH _____



DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 4/1/1 conc. as received.
Weight as received 424 gr. ~~XXX~~ ; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.279 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXX 0.045
SILVER oz/T XXXXXXX <0.05
TOTAL mg Gold 3.410 0.654
TOTAL mg silver N/A N/A

Percent recovery

gold = 83.91

silver = N/A

$424/29,166 = 14.54$

$4.064/14.54 = .279$ OZ/TON Au

429 grams milled 4 hours

8 hours agitated w/85 gr.Hg.

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
1b/Ton
Solution = _____

Ore = _____

Lime 1b/Ton
Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____

METALLICS
200 grams - 100 Mesh

10 minute screening
time

Iron
mg

METALLICS PULP

Wt. g _____

Oz/T gold _____

Oz/T silver _____

Wt. Gold mg _____ Wt. Gold mg _____

Wt. silver mg _____ Wt. silver mg _____

Michael G. Jacobs
Registered Assayer
MICHAEL G. JACOBS
DATE SIGNED _____
Arizona U. S. A.

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 4/1/2 conc. as received.
 Weight as received 413 gr. XXX; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 1.438(calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXXX 0.013
 SILVER oz/T XXXXXXXX <0.05
 TOTAL mg Gold 20.180 0.184
 TOTAL mg silver N/A N/A

Percent recovery

gold = 99.09

silver = N/A

413/29.166 = 14.16 A.T.

20.364/14.16 = 1.438 OZ/TON Au

413 grams milled 4 hours
 8 hours agitated w/85 gr.Hg.

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
 lb/Ton Solution = _____

Lime lb/Ton
 Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____

METALLICS
 200 grams - 100 Mesh

10 minute screening
 time

→ Iron
 _____ mg

METALLICS PULP

Wt. g _____

Oz/T gold _____
 Oz/T silver _____

Wt. Gold _____ Wt. Gold _____
 mg _____ mg _____

Wt. silver _____ Wt. silver _____
 mg _____ mg _____

Michael G. Jacobs
 Registered Assayer
 MICHAEL G. JACOBS
 DATE SIGNED _____
 Arizona U. S. A.

DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 5/1/1 conc. as received.
Weight as received 271 gr. ~~lbs~~; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.014 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

TAILS

GOLD oz/T XXXXXXX
SILVER oz/T XXXXXXX
TOTAL mg Gold 0.040
TOTAL mg silver N/A

Percent recovery
gold = 30.08 %
silver = N/A

$271/29.166 = 9.29$
 $0.133/9.29 = 0.014$ OZ/TON Au
271 grams milled 4 hours
8 hours agitated w/55 gr.Hg.

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

SOLUTION

TAILS

Free sodium cyanide
lb/Ton
Solution = _____

Ore = _____
Lime lb/Ton
Solution = _____
Ore = _____

Percent recovery

gold = _____
silver = _____

PH _____

METALLICS
200 grams - 100 Mesh

10 minute screening
time

Iron
mg

METALLICS

PULP

Wt. g _____
Oz/T gold _____
Oz/T silver _____
Wt. Gold mg _____
Wt. Gold mg _____
Wt. silver mg _____
Wt. silver mg _____

Michael G. Jacobs
Registered Assayer
MICHAEL G. JACOBS
JACOBS
DATE SIGNED _____
Arizona U. S. A.

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 5/1/2 conc. as received.
 Weight as received 780 gr. lbs ; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.013 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION

200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

TAILS

GOLD oz/T XXXXXXX
 SILVER oz/T XXXXXXX
 TOTAL mg Gold 0.153
 TOTAL mg silver N/A

Percent recovery
 gold = 45.00%
 silver = N/A

$780/29.166 = 26.74$

$.340/26.74 = .013$

780 grams milled 4 hours

8 hours agitated w/155 gr.Hg.

CYANIDATION

200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION

TAILS

Free sodium cyanide
 lb/Ton
 Solution = _____

Ore = _____

Lime lb/Ton
 Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

PH _____

METALLICS

200 grams - 100 Mesh

10 minute screening
 time

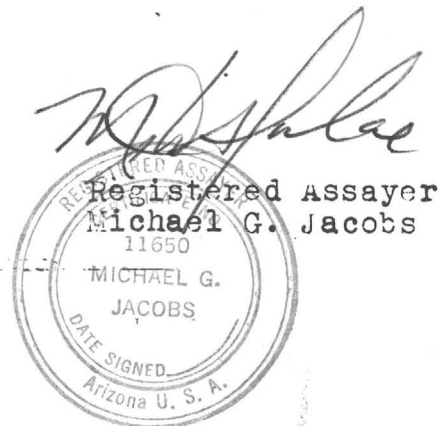
Iron

mg

METALLICS

PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg _____
 Wt. Gold mg _____
 Wt. silver mg _____
 Wt. silver mg _____



DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 5/1/3 conc. as received.
 Weight as received 931 gr. lbs; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.005^(calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION

200 grams - 100 Mesh

~~800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours~~

AMALGAM

TAILS

GOLD oz/T XXXXXXX
 SILVER oz/T XXXXXXX
 TOTAL mg Gold 0.062
 TOTAL mg silver N/A

Percent recovery
 gold = 39.24
 silver = N/A

931/29.166 = 31.92
 0.158/31.92 = .005 OZ/TON Au
 931 grams milled 4 hours
 8 hours agitated w/185 gr.Hg.

CYANIDATION

200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION

TAILS

Free sodium cyanide
 lb/Ton
 Solution = _____

Lime lb/Ton
 Solution = _____
 Ore = _____

Percent recovery

gold = _____
 silver = _____

PH _____

METALLICS

200 grams - 100 Mesh

10 minute screening
 time

→ Iron
 _____ mg

METALLICS

PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg _____
 Wt. Gold mg _____
 Wt. silver mg _____
 Wt. silver mg _____

Michael G. Jacobs
 Registered Assayer
 Michael G. Jacobs
 11650
 MICHAEL G. JACOBS
 DATE SIGNED
 Arizona U. S. A.

JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 6/1/1 conc. as received.
 Weight as received 1337 gr. ~~lbs~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.013^(calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXX 0.010
 SILVER oz/T XXXXXXX 0.05
 TOTAL mg Gold 0.140 0.458
 TOTAL mg silver N/A 2.292

Percent recovery

gold = 23.41

silver = N/A

$1337/29.166 = 45.84$

$.598/45.84 = 0.013 \text{ OZ/TON Au}$

1337 grams milled 4 hours
 8 hours agitated w/270 gr.Hg.

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
 lb/Ton Solution = _____

Ore = _____

Lime lb/Ton Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____

METALLICS
 200 grams - 100 Mesh

10 minute screening time

Iron _____ mg
 METALLICS PULP

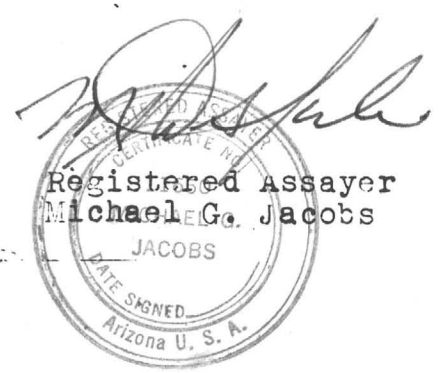
Wt. g _____

Oz/T gold _____

Oz/T silver _____

Wt. Gold mg _____ Wt. Gold mg _____

Wt. silver mg _____ Wt. silver mg _____



1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers



PHONE 622-0813

64336

PRUDDEN

Tucson, Arizona,

1/21, 1985

REASSAY

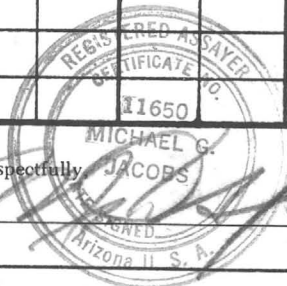
Sample Submitted by Mr.

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
TAILS 4/2/1 - 10m	0.002		0.05					
TAILS 10/1/1 - 10m	0.008		0.15					
CONC 7/1/1	0.583		4.30					
CONC 7/1/2	0.091		<0.05					
CONC 13/1/1	0.467		0.35					
CONC 16/1/2	1.133		0.15					

Charges \$

39⁰⁰

Very respectfully



1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers



PHONE 622-0813

64256

Tucson, Arizona,

12/20, 1984

Sample Submitted by Mr.

JAMES M. PRUDDEN

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
H-210-5	0.017	Mg Au						
H-21								
5-105-345	0.058	Mg Au						
5-105-600								
H-31								
0-5-5-95	0.081	Mg Au						
5-105-410								
H-34								
10-15	0.026	Mg Au						
ENTIRE SAMPLE FINE ASSAYED.								

Charges \$

39.⁰⁰

Very respectfully,

1435 S. 10th AVE.

Jacobs Assay Office

Registered Assayers



PHONE 622-0813

Certificate No. **64278**

TUCSON, ARIZONA 85713

12/28 19**84**

Sample Submitted By Mr. **PRUDDEN**

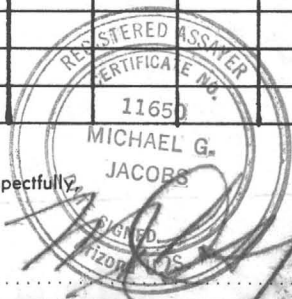
SAMPLE MARKED	GOLD Ozs. per ton ore	GOLD Value per ton ore	SILVER Ozs. per ton ore	LEAD Per cent Wet Assay	COPPER Per cent Wet Assay	Per cent Wet Assay	Per cent Wet Assay
TAILS 3/2/1 -10M	0.001 \$		< 0.05				
" " +10M	0.005		< 0.05				
" 4/2/1 -10M	0.012		< 0.05				
" " +10M	TRACE		< 0.05				
" 11/1/1 -10M	0.002		< 0.05				
" " +10M	0.009		< 0.05				
" 11/1/2 -10M	0.001		< 0.05				
" " +10M	0.002		< 0.05				
" 11/1/3 -10M	0.001		< 0.05				
" " +10M	TRACE		< 0.05				
" 11/1/4 -10M	0.004		< 0.05				
" " +10M	0.001		< 0.05				
" 12/1/1 -10M	TRACE		< 0.05				
" " +10M	TRACE		< 0.05				
" 12/1/2 -10M	0.002		< 0.05				
" " +10M	0.001		< 0.05				
" 12/1/3 -10M	0.001		< 0.05				
" " +10M	0.001		< 0.05				
" 13/1/1 -10M	0.003		< 0.05				
" " +10M	0.002		< 0.05				
" 14/1/1 -10M	0.001		< 0.05				
" " +10M	0.004		< 0.05				
" 15/1/1 -10M	TRACE		< 0.05				
" " +10M	0.001		< 0.05				
" 15/1/2 -10M	0.001		< 0.05				
" " +10M	TRACE		< 0.05				
" 16/1/1 -10M	0.001		< 0.05				
" 16/1/1 +10M	0.001		< 0.05				
" 16/1/2 -10M	TRACE		< 0.05				
" " +10M	0.002		< 0.05				

FIRE ASSAY
2 ASSAY TON BASE-MILE
WET SAMPLES

Charges \$

3/5⁰⁰

Very respectfully,



Michael G. Jacobs

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers



PHONE 622-0813

64279

PRUDDEN

Tucson, Arizona,

1/4, 19 85

CONC.

Sample Submitted by Mr.

Sample Marked	GOLD		SILVER		COPPER		LEAD		Per Cent Wet Assay		Per Cent Wet Assay		Per Cent Wet Assay	
	Ozs. per ton ore	Value per ton ore	Ozs. per ton ore	Value per ton ore	Per cent Wet Assay	Per cent Wet Assay	Per cent Wet Assay	Per cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay
H-19	Lit of sample (dry)													
0-5	0.012 mg		0.30 mg							7 grams				
5-10	T mg		0.20 mg							2 "				
10-15	0.110 mg		0.2 mg							45 "				
15-20	0.020 mg		0.25 mg							18 "				
H-31	~~~~~													
10-15	0.124 mg		0.35 mg							5 "				
15-20	0.050 mg		1.85 mg							1.5 "				
H-34	~~~~~													
15-20	0.005 mg		0.35 mg							40 "				
Entire sample Fire Assayed														



Very respectfully,

Charges \$

70⁰⁰

1435 S. 10th AVE.

Jacobs Assay Office

Registered Assayers



PHONE 622-0813

Certificate No. **64258**

TUCSON, ARIZONA 85713

12/27 1984

Sample Submitted By Mr. **PRUDDEN**

SAMPLE MARKED		GOLD OZS PER TON	X	SILVER OZS PER TON	SAMPLE MARKED		GOLD OZS PER TON	X	SILVER OZS PER TON
①	TAIS 1/10 -10M	0.001		< 0.05	TAIS 8/1/1 -10M	0.002		< 0.05	①
①	" 1/10 +10M	0.009		< 0.05	" 8/1/1 +10M	0.002		0.05	②
②	1/10 -10M	0.002		< 0.05	" 8/1/2 -10M	0.002		0.05	③
②	TAIS 1/10 +10M	0.002		< 0.05	" 8/1/2 +10M	0.003		0.05	④
③	" 1/1/10 -10M	0.001		< 0.05	" 8/1/3 -10M	0.004		< 0.05	⑤
③	" 1/1/10 +10M	0.001		0.05	" 8/1/3 +10M	0.001		< 0.05	⑥
④	" 1/2/2 -10M	0.001		< 0.05	" 9/1/4 -10M	0.001		0.05	⑦
④	" 1/2/2 +10M	0.002		0.05	" 9/1/4 +10M	0.001		0.05	⑧
⑤	" 1/2/4 -10M	0.002		< 0.05	" 10/1/1 -10M	0.018		0.05	⑨
⑤	" 1/2/4 +10M	0.003		< 0.05	" 10/1/1 +10M	0.002		0.05	⑩
⑥	" 2/1/1 -10M	0.002		0.05					
⑥	" 2/1/1 +10M	0.003		0.05					
⑦	" 2/1/2 -10M	0.002		0.05					
⑦	" 2/1/2 +10M	0.001		< 0.05					
⑧	3/1/1 -10M	TRACE		0.05					
⑧	TAIS 3/1/1 +10M	TRACE		< 0.05					
⑨	" 3/1/2 -10M	0.002		0.05					
⑨	" 3/1/2 +10M	0.002		0.05					
⑩	4/1/1 -10M	TRACE		0.05					
⑩	TAIS 4/1/1 +10M	TRACE		0.05					
⑪	" 4/1/2 -10M	0.001		< 0.05					
⑪	" 4/1/2 +10M	0.002		< 0.05					
⑫	" 5/1/1 -10M	0.001		< 0.05					
⑫	" 5/1/1 +10M	TRACE		< 0.05					
⑬	" 5/1/2 -10M	TRACE		< 0.05					
⑬	" 5/1/2 +10M	TRACE		< 0.05					
⑭	" 5/1/3 -10M	TRACE		< 0.05					
⑭	" 5/1/3 +10M	0.001		0.05					
⑮	" 6/1/1 -10M	0.001		0.05					
⑮	" 6/1/1 +10M	0.001		0.05					
⑯	" 6/1/2 -10M	TRACE		< 0.05					
⑯	" 6/1/2 +10M	TRACE		< 0.05					
⑰	" 7/1/1 -10M	TRACE		< 0.05					
⑰	" 7/1/1 +10M	0.002		0.05					
⑱	" 7/1/2 -10M	0.002		0.05					
⑱	" 7/1/2 +10M	0.005		< 0.05					
⑲	" 7/1/3 -10M	0.002		< 0.05					
⑲	" 7/1/3 +10M	0.002		0.05					

FIRE ASSAY
2 ASSAY TOWER SAMPLE
SCREENING

Very respectfully,

REGISTERED ASSAYER
CERTIFICATE NO. 71650
TUCSON, ARIZONA
DATE SIGNED
AZONA, U.S.A.
[Signature]

Charges \$ **504.00**

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

PHONE 622-0813

Registered Assayers



Cert. # 64309

Tucson, Arizona,

17 JAN

1985

Sample Submitted by Mr.

DMEA LTD.

c/o JAMES PRUDON

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
"Gravity Trails"	0.016	~	2.50					
Amalgamation Trails	0.071	~	5.15					
<p>Special Bulk sample - Starting wt as rec - 5,675 grams Entire sample crushed to 60 mesh - Gravity concentrated Conc wt - 6 grams - Ball milled 4 hours, agitated 8 hours with 5 grams Hg. Total mg Gold recovered = Nil</p>								



Very respectfully,

[Handwritten signature]

Charges \$

90⁰⁰

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers



PHONE 622-0813

64308

Tucson, Arizona,

1/24, 85

Sample Submitted by Mr.

PRUDDEN

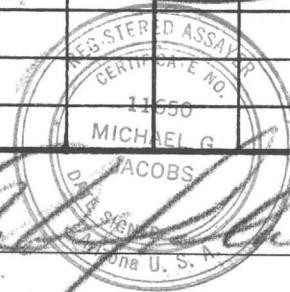
DMEA

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
13/1/1 conc					0.55			
16/1/2 conc					0.08			
19 7/1/2 conc.					0.06			
[Large handwritten scribble]								

Charges \$

7.50

Very respectfully,



[Handwritten signature]

PRELIMINARY TESTS

SAMPLE NO. 4/2/1 conc. as received.
 Weight as received 468 gr. ~~XXX~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.795 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXXX 0.050
 SILVER oz/T XXXXXXXX <.05
 TOTAL mg Gold 11.95 0.803
 TOTAL mg silver N/A N/A

Percent recovery
 gold = 93.70
 silver = N/A

$468/29.166 = 16.05$ A.T.
 $12.753/16.05 = .795$ oz/ton

468 gr. milled 4 hours
 8 hours agitated w/95 gr.Hg.

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
 lb/Ton Solution = _____
 Ore = _____

Lime lb/Ton
 Solution = _____
 Ore = _____

Percent recovery
 gold = _____
 silver = _____

PH _____

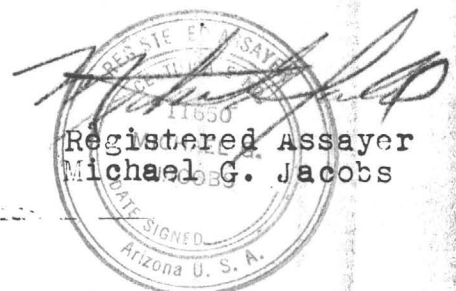
METALLICS
 200 grams - 100 Mesh

10 minute screening
 time

Iron mg
 METALLICS PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg Wt. Gold mg
 Wt. silver mg Wt. silver mg

RECEIVED JAN 25 1985



PRELIMINARY TESTS

SAMPLE NO. 6/1/2 conc. as received.
 Weight as received 637 gr. ~~100~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.038 (calo) oz/T, Silver N/A oz/T
 GOLD/200 grams xxx mg; SILVER/200 grams xxx

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

METALLICS
 200 grams - 100 Mesh

10 minute screening
 time

Iron
 mg

METALLICS PULP

GOLD oz/T XXXXXXX

0.011

Wt. g _____

SILVER oz/T XXXXXXX

0.05

Oz/T gold _____

TOTAL mg Gold 0.580

0.240

Oz/T _____

TOTAL mg silver _____

1.09

Wt. Gold _____

Wt. Gold _____

silver N/A

mg _____

mg _____

Percent recovery

Free sodium cyanide

Wt. silver _____

Wt. silver _____

gold = 70.73

1b/Ton

mg _____

mg _____

silver = N/A

Solution = _____

Ore = _____

$637/29.166 = 21.84$ A.T.

Lime 1b/Ton

$0.820/21.84 = .038$ oz/ton

Solution = _____

Ore = _____

637 gr. milled 4 hours
 8 hours agitated w/130 gr.Hg.

Percent recovery

gold = _____

silver = _____

PH _____

Michael G. Jacobs
 Registered Assayer
 Michael G. Jacobs
 11650
 MICHAEL G.
 JACOBS
 DATE SIGNED _____
 Arizona U. S. A.

DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 7/1/1 conc. as received.
Weight as received 70 grams XXX; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.540 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

TAILS

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

SOLUTION

TAILS

METALLICS
200 grams - 100 Mesh

10 minute screening time

Iron
mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.528

Wt. g _____

SILVER oz/T XXXXXXX

<.05

Oz/T gold _____

TOTAL mg Gold 0.030

1.267

Oz/T

TOTAL mg silver _____

N/A

N/A

silver _____

Wt. Gold _____

Wt. Gold _____

mg _____

mg _____

Percent recovery

gold = 2.31

silver = N/A

Free sodium cyanide
lb/Ton
Solution = _____

Ore = _____

Wt. silver _____

Wt. silver _____

mg _____

mg _____

$70/29.166 = 2.40$ A.T.
 $1.297/2.40 = 0.540$ oz/ton

Lime lb/Ton
Solution = _____

Ore = _____

70 grams milled 4 hours
8 hours agitated w/15 gr.Hg.

Percent recovery

gold = _____

silver = _____

pH _____



DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 7/1/2 5'-9'-3"conc as received.
Weight as received 86 grams ~~105~~ ; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.117 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION

200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

TAILS

GOLD oz/T XXXXXXX

0.096

SILVER oz/T XXXXXXX

0.05

TOTAL mg Gold 0.063

0.283

TOTAL mg silver N/A

N/A

Percent recovery

gold = 11.73

silver = N/A

$86/29.166 = 2.949$ A.T.
 $0.346/2.949 = 0.117$ oz/ton

86 grams milled 4 hours
8 hours agitated w/20 gr.Hg.

CYANIDATION

200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

SOLUTION

TAILS

Free sodium cyanide
lb/Ton
Solution = _____

Ore = _____

Lime lb/Ton
Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____

METALLICS

200 grams - 100 Mesh

10 minute screening
time

→ Iron
_____ mg

METALLICS

PULP

Wt. g _____

Oz/T gold _____

Oz/T silver _____

Wt. Gold mg _____

Wt. Gold mg _____

Wt. silver mg _____

Wt. silver mg _____

Michael G. Jacobs
REGISTERED ASSAYER
MICHAEL G. JACOBS
11650
DATE SIGNED
Arizona U. S.

DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 7/1/3 9'-3"-14'-3" conc received.
Weight as received 949 grams ~~lbs~~; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.006 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

TAILS

SOLUTION

TAILS

METALLICS
200 grams - 100 Mesh

10 minute screening
time

Iron

mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.005

Wt. g _____

SILVER oz/T XXXXXXX

0.05

Oz/T gold _____

TOTAL mg Gold 0.022

0.163

Oz/T _____

TOTAL mg

silver _____

silver N/A

N/A

Wt. Gold _____

Wt. Gold _____

mg _____

mg _____

Percent recovery

gold = 11.89

silver = N/A

Free sodium cyanide
lb/Ton
Solution = _____

Ore = _____

Wt. silver _____

Wt. silver _____

mg _____

mg _____

$949/29.166 = 32.53$ A.T.
 $0.185/32.53 = 0.006$ oz/ton

Lime lb/Ton
Solution = _____

Ore = _____

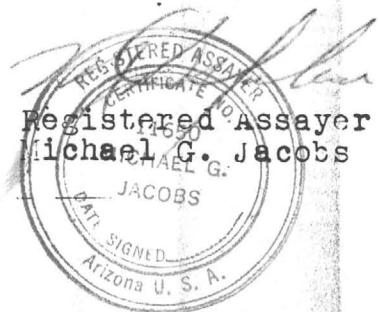
949 grams milled 4 hours
8 hours agitated w/190 gr.Hg.

Percent recovery

gold = _____

silver = _____

PH _____



DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 8/1/1 0-4' conc. as received.
Weight as received 349 grams ~~XXX~~; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.008 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

GOLD oz/T XXXXXXXX
SILVER oz/T XXXXXXXX
TOTAL mg Gold 0.026
TOTAL mg silver N/A

Percent recovery
gold = 26.53
silver = N/A

$349 \text{ gr} / 29.166 = 11.97 \text{ A.T.}$
 $0.098 / 11.97 = 0.008 \text{ oz./ton}$
349 grams milled 4 hours
8 hours agitated w/70 gr.Hg.

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
lb/Ton
Solution = _____
Ore = _____

Lime lb/Ton
Solution = _____
Ore = _____

Percent recovery

gold = _____
silver = _____

pH _____

METALLICS
200 grams - 100 Mesh

10 minute screening
time

Iron _____ mg
METALLICS PULP

Wt. g _____
Oz/T gold _____
Oz/T silver _____
Wt. Gold mg _____
Wt. Gold mg _____
Wt. silver mg _____
Wt. silver mg _____

Michael G. Jacobs
Registered Assayer
MICHAEL G. JACOBS
DATE SIGNED _____
Arizona U. S. A.

DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 8/1/2 4'-8' conc. as received.
Weight as received 755 grams ; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.024 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

TAILS

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

SOLUTION

TAILS

METALLICS
200 grams - 100 Mesh

10 minute screening time

Iron

mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.006

Wt. g _____

SILVER oz/T XXXXXXX

<.05

Oz/T gold _____

TOTAL mg Gold 0.468

0.155

Oz/T _____

TOTAL mg silver _____

N/A

N/A

Wt. Gold _____

Wt. Gold _____

mg _____

mg _____

Wt. silver _____

Wt. silver _____

mg _____

mg _____

Percent recovery

gold = 75.12

silver = N/A

Free sodium cyanide

lb/Ton

Solution = _____

Ore = _____

Lime lb/Ton

Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____

$755/29.166 = 25.89$ A.T.

$0.623/25.89 = 0.024$ oz/ton

755 grams milled 4 hours

8 hours agitated w/150 gr.Hg.

Michael G. Jacobs
Registered Assayer
Michael G. Jacobs
JACOBS
DATE SIGNED _____
Arizona U. S. A.

DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 8/1/3 8'-12'-10"^{conc.} as received.
Weight as received 461 grams ~~lbs~~ ; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.939^{calc.} oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

METALLICS
200 grams - 100 Mesh

10 minute screening
time

	AMALGAM	TAILS	SOLUTION	TAILS	METALLICS	PULP
GOLD oz/T	<u>XXXXXXX</u>	<u>0.020</u>	_____	_____	Wt. g _____	_____
SILVER oz/T	<u>XXXXXXX</u>	<u><.05</u>	_____	_____	Oz/T gold _____	_____
TOTAL mg Gold	<u>14.530</u>	<u>0.316</u>	_____	_____	Oz/T silver _____	_____
TOTAL mg silver	<u>N/A</u>	<u>N/A</u>	_____	_____	Wt. Gold mg _____	Wt. Gold mg _____
Percent recovery gold =	<u>97.87</u>		Free sodium cyanide lb/Ton		Wt. silver mg _____	Wt. silver mg _____
Percent recovery silver =	<u>N/A</u>		Solution = _____			
			Ore = _____			
			Lime lb/Ton			
			Solution = _____			
			Ore = _____			
			Percent recovery gold = _____			
			Percent recovery silver = _____			

461/29.166 = 15.81 A.T.
14.846/15.81 = 0.939 oz/ton
461 grams milled 4 hours
8 hours agitated w/95 gr.Hg.

PH _____

Michael G. Jacobs
 Registered Assayer
 Michael G. Jacobs
 MICHAEL G. JACOBS
 DATE SIGNED _____
 Arizona U. S. A.

DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 10/1/1 conc. as received.
Weight as received 824 grams ~~XXX~~; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.398 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

TAILS

SOLUTION

TAILS

METALLICS
200 grams - 100 Mesh

10 minute screening time

Iron

mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.014

Wt. g _____

SILVER oz/T XXXXXXX

<.05

Oz/T gold _____

TOTAL mg Gold 11.054

0.396

Oz/T _____

TOTAL mg silver _____

N/A

silver _____

silver N/A

Wt. Gold _____

Wt. Gold _____

mg _____

mg _____

Percent recovery

gold = 96.54

silver = N/A

Free sodium cyanide

lb/Ton _____

Solution = _____

Ore = _____

Wt. silver _____

Wt. silver _____

mg _____

mg _____

$824/29.166 = 28.25$ A.T.

$11.45/28.25 = 0.398$ oz/ton

824 grams milled 4 hours
8 hours agitated w/165gr.Hg.

Lime lb/Ton _____

Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____

Michael G. Jacobs
Registered Assayer
Michael G. Jacobs
11650
MICHAEL G.
JACOBS
DATE SIGNED _____
Arizona U. S. A.

JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 9/1/1 0-4'-4" conc. as received.
 Weight as received 1124 grams ; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.499 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXX 0.031
 SILVER oz/T XXXXXXX <.05
 TOTAL mg Gold 18.020 1.194
 TOTAL mg silver N/A N/A

Percent recovery
 gold = 93.79
 silver = N/A

$1124/29.166 = 38.54$ A.T.
 $19.214/38.54 = 0.499$ oz/ton
 1124 grams milled 4 hours
 8 hours agitated w/225 gr.Hg.

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
 lb/Ton Solution = _____

Lime lb/Ton Solution = _____
 Ore = _____

Percent recovery

gold = _____
 silver = _____

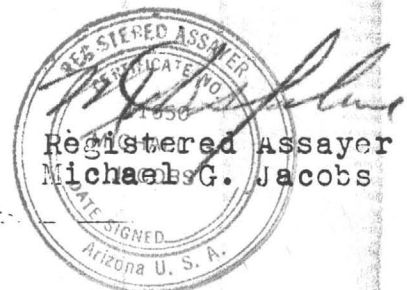
pH _____

METALLICS
 200 grams - 100 Mesh

10 minute screening time

Iron mg
 METALLICS PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg Wt. Gold mg
 Wt. silver mg Wt. silver mg



JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 11/1/1 conc as received.
 Weight as received 199 grams ~~155X~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.068 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

TAILS

SOLUTION

TAILS

METALLICS
 200 grams - 100 Mesh

10 minute screening time

Iron mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.008

Wt. g _____

SILVER oz/T XXXXXXX

0.05

Oz/T gold _____

TOTAL mg Gold 0.413

0.054

Oz/T silver _____

TOTAL mg silver N/A

N/A

Wt. Gold mg _____

Wt. Gold mg _____

Percent recovery

gold = 88.44

silver = N/A

Free sodium cyanide lb/Ton
 Solution = _____

Ore = _____

Wt. silver mg _____

Wt. silver mg _____

$199/29.166 = 6.82$ A.T.

$0.467/6.82 = 0.068$ oz/ton

Lime lb/Ton
 Solution = _____

Ore = _____

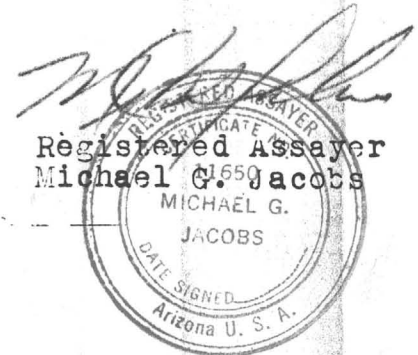
199 grams milled 4 hours
 8 hours agitated w/40 gr.Hg.

Percent recovery

gold = _____

silver = _____

PH _____



DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 11/1/2 conc. as received.
Weight as received 784 grams XXX; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.133 (caloz)/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

TAILS

SOLUTION

TAILS

METALLICS
200 grams - 100 Mesh

10 minute screening
time

→ Iron

mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.009

Wt. g _____

SILVER oz/T XXXXXXX

0.05

Oz/T gold _____

TOTAL mg Gold 3.180

0.231

Oz/T _____

TOTAL mg silver N/A

N/A

silver _____

Wt. Gold _____

Wt. Gold _____

Percent recovery

Free sodium cyanide

Wt. silver _____

Wt. silver _____

gold = 93.23

lb/Ton

mg _____

mg _____

silver = N/A

Solution = _____

Ore = _____

$784/29.166 = 25.65$ A.T.

Lime lb/Ton

$3.411/25.65 = 0.133$ oz/ton

Solution = _____

784 grams milled 4 hours
8 hours agitated w/155 gr.Hg.

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____



DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 11/1/3 conc. as received.
Weight as received 867 grams ; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.030 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

TAILS

SOLUTION

TAILS

METALLICS
200 grams - 100 Mesh

10 minute screening time

Iron mg

METALLICS

PULP

GOLD oz/T XXXXXXX
SILVER oz/T XXXXXXX
TOTAL mg Gold 0.835
TOTAL mg silver N/A

0.002
0.05
0.059
N/A

Wt. g _____
Oz/T gold _____
Oz/T silver _____
Wt. Gold mg _____
Wt. Gold mg _____

Percent recovery
gold = 93.40
silver = N/A

Free sodium cyanide
lb/Ton Solution = _____
Ore = _____

Wt. silver mg _____
Wt. silver mg _____

$867/29.166 = 29/73$ A.T.
 $0.894/29.73 = 0.030$ oz/ton

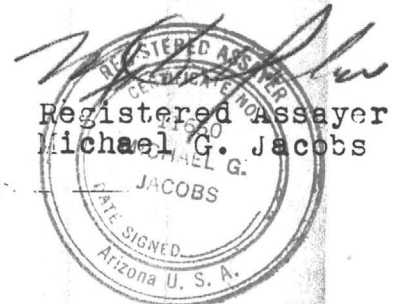
Lime lb/Ton
Solution = _____
Ore = _____

867 grams milled 4 hours
8 hours agitated w/175 gr.Hg.

Percent recovery

gold = _____
silver = _____

PH _____



JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 11/1/4 conc. as received.
 Weight as received 385 grams ~~kg~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.433 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams xxx mg; SILVER/200 grams xxx

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXX 0.012
 SILVER oz/T XXXXXXX 0.05
 TOTAL mg Gold 5.553 0.158
 TOTAL mg silver N/A N/A

Percent recovery
 gold = 97.23
 silver = N/A

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

Free sodium cyanide
 lb/Ton Solution = _____

Lime lb/Ton
 Solution = _____

Ore = _____

Percent recovery
 gold = _____
 silver = _____

PH _____

METALLICS
 200 grams - 100 Mesh

10 minute screening time

Iron mg
 METALLICS PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg Wt. Gold mg
 Wt. silver mg Wt. silver mg

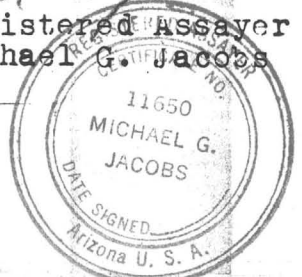
$385/29.166 = 13.20$ A.T.

$5.711/13.20 = 0.433$ oz/ton

385 grams milled 4 hours
 8 hours agitated w/80 gr.Hg.

Michael G. Jacobs

Registered Assayer
 Michael G. Jacobs



JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 12/1/1/ conc. as received.
 Weight as received 587 grams ~~XXX~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.028 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

TAILS

SOLUTION

TAILS

METALLICS
 200 grams - 100 Mesh

10 minute screening time

→ Iron mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.006

Wt. g _____

SILVER oz/T XXXXXXX

0.05

Oz/T gold _____

TOTAL mg Gold 0.434

0.120

Oz/T silver _____

TOTAL mg silver N/A

N/A

Wt. Gold mg _____

Wt. Gold mg _____

Percent recovery

gold = 78.34

silver = N/A

Free sodium cyanide lb/Ton

Solution = _____

Ore = _____

Wt. silver mg _____

Wt. silver mg _____

$587/29.166 = 20.13$ A.T.

$0.554/20.13 = 0.028$ oz/ton

587 grams milled 4 hours
 8 hours agitated w/120gr.Hg.

Lime lb/Ton

Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____



DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 12/1/2 conc. as received.
 Weight as received 569 grams ~~XXX~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.075 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION

200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

TAILS

GOLD oz/T XXXXXXX
 SILVER oz/T XXXXXXX
 TOTAL mg Gold 1.430
 TOTAL mg silver N/A

Percent recovery
 gold = 97.35
 silver = N/A

$569/29.166 = 19.51$ A.T.
 $1.460/19.51 = 0.075$ oz/ton
 569 grams milled 4 hours
 8 hours agitated w/115 gr.Hg.

CYANIDATION

200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION

TAILS

Free sodium cyanide
 lb/Ton
 Solution = _____
 Ore = _____

Lime lb/Ton
 Solution = _____
 Ore = _____

Percent recovery
 gold = _____
 silver = _____

PH _____

METALLICS

200 grams - 100 Mesh

10 minute screening
 time

→ Iron

mg

METALLICS

PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg _____
 Wt. Gold mg _____
 Wt. silver mg _____
 Wt. silver mg _____

Michael G. Jacobs
 Registered Assayer
 MICHAEL G. JACOBS
 JACOBS
 DATE SIGNED _____
 Arizona U. S. A.

DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 12/1/3 conc. as received.
Weight as received 591 grams ; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.045 (caloz)/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

METALLICS
200 grams - 100 Mesh

10 minute screening
time

AMALGAM

TAILS

SOLUTION

TAILS

METALLICS

PULP

GOLD oz/T XXXXXXX

0.004

Wt. g _____

SILVER oz/T XXXXXXX

0.05

Oz/T gold _____

TOTAL mg Gold 0.838

0.081

Oz/T _____

TOTAL mg

silver _____

silver N/A

N/A

Wt. Gold _____

Wt. Gold _____

mg _____

mg _____

Percent recovery

gold = 91.19

silver = N/A

Free sodium cyanide

lb/Ton _____

Solution = _____

Ore = _____

Wt. silver _____

Wt. silver _____

mg _____

mg _____

591/29.166 = 20/26 A.T.
0.919/20.26 = 0.045 oz/ton

Lime lb/Ton _____

Solution = _____

Ore = _____

591 grams milled 4 hours
8 hours agitated w/120 gr.Hg.

Percent recovery

gold = _____

silver = _____

PH _____



JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 13/1/1 conc. as received.
 Weight as received 289 grams lbs; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 7.39 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams xxx mg; SILVER/200 grams xxx

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM TAILS

GOLD oz/T XXXXXXXX 0.663
 SILVER oz/T XXXXXXXX <0.05
 TOTAL mg Gold 66.650 6.570
 TOTAL mg silver N/A N/A

Percent recovery
 gold = 91.02
 silver = N/A

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

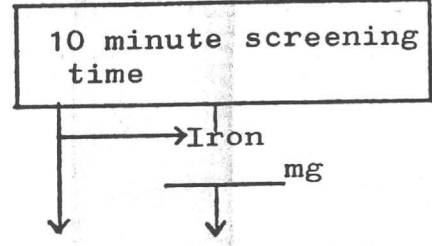
SOLUTION TAILS

Free sodium cyanide
 lb/Ton Solution = _____
 Ore = _____
 Lime lb/Ton
 Solution = _____
 Ore = _____

Percent recovery
 gold = _____
 silver = _____

PH _____

METALLICS
 200 grams - 100 Mesh



METALLICS PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg _____ Wt. Gold mg _____
 Wt. silver mg _____ Wt. silver mg _____

289/29.166 = 9.91 A.T.
 73.22/9.91 = 7.39 oz/ton
 289 grams milled 4 hours
 8 hours agitated w/60 gr.Hg.

Note: Sample wts. of small nuggets.
 #1--37.060 Mg.
 #2--19.326 "
 #3--4.756 "
 #4--2.306 "
 #5--1.960 "



JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 14/1/1 conc. as received.
 Weight as received 1195 grams ~~XXX~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.063 (caloz)/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION

200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

TAILS

GOLD oz/T XXXXXXX
 SILVER oz/T XXXXXXX
 TOTAL mg Gold 2.455
 TOTAL mg silver N/A

Percent recovery
 gold = 95.23
 silver = N/A

CYANIDATION

200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION

TAILS

Free sodium cyanide
 lb/Ton
 Solution = _____
 Ore = _____

Lime lb/Ton
 Solution = _____
 Ore = _____

Percent recovery

gold = _____
 silver = _____

PH _____

METALLICS

200 grams - 100 Mesh

10 minute screening
 time

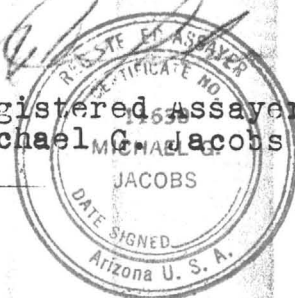
Iron
 mg

METALLICS

PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg _____
 Wt. Gold mg _____
 Wt. silver mg _____
 Wt. silver mg _____

Registered Assayer
 Michael C. Jacobs



DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 15/1/1 conc. as received.
Weight as received 2480 grams MAX; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.007 (calc) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

AMALGAM

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

TAILS

SOLUTION

TAILS

METALLICS
200 grams - 100 Mesh

10 minute screening
time

Iron
mg

METALLICS

PULP

GOLD oz/T XXXXXXX

0.005

Wt. g _____

SILVER oz/T XXXXXXX

<.05

Oz/T gold _____

TOTAL mg Gold 0.179

0.425

Oz/T silver _____

TOTAL mg silver N/A

N/A

Wt. Gold mg _____

Wt. Gold mg _____

Percent recovery

gold = 42.11

silver = N/A

Free sodium cyanide
lb/Ton
Solution = _____

Ore = _____

Wt. silver mg _____

Wt. silver mg _____

$2480/29.166 = 85.03$ A.T.

$0.604/85.03 = 0.007$ oz/ton

2480 grams milled 4 hours
8 hours agitated w/500 grams Hg.

Lime lb/Ton
Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

pH _____



JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 15/1/2 conc. as received.
 Weight as received 1350 grams~~XXX~~; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 0.310 (calc) oz/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION

200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

TAILS

GOLD oz/T XXXXXXXX
 SILVER oz/T XXXXXXXX
 TOTAL mg Gold 14.300
 TOTAL mg silver N/A

Percent recovery
 gold = 99.36
 silver = N/A

$1350/29.166 = 46.29$ A.T.
 $14.392/46.29 = 0.310$
 1350 grams milled 4 hours
 8 hours agitated w/270 gr.Hg.

CYANIDATION

200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION

TAILS

Free sodium cyanide
 lb/Ton
 Solution = _____

Ore = _____

Lime lb/Ton
 Solution = _____

Ore = _____

Percent recovery

gold = _____

silver = _____

PH _____

METALLICS

200 grams - 100 Mesh

10 minute screening
 time

→ Iron

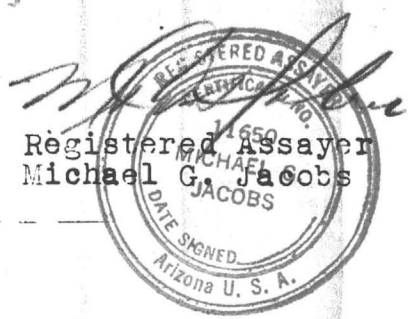
mg

METALLICS

PULP

Wt. g _____
 Oz/T gold _____
 Oz/T silver _____
 Wt. Gold mg _____
 Wt. Gold mg _____

Wt. silver mg _____
 Wt. silver mg _____



DMEA LTD.

JACOBS ASSAY OFFICE
1435 So. 10th Avenue
Tucson, Arizona 85713
602-622-0813

PRELIMINARY TESTS

SAMPLE NO. 16/1/1 conc. as received.
Weight as received 247 grams XXX; Size, all minus 3/8 inches
HEAD ASSAY: Gold 0.226 (calo) oz/T, Silver N/A oz/T
GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
200 grams - 100 Mesh

800 cc water
40 grams mercury
1 gram sodium hydroxide
Agitate 3 hours

CYANIDATION
200 grams - 100 Mesh

800 cc water
2 grams sodium cyanide
1,2 grams lime
Agitate 24 hours

METALLICS
200 grams - 100 Mesh

10 minute screening time

	AMALGAM	TAILS	SOLUTION	TAILS	METALLICS	PULP
GOLD oz/T	XXXXXXX	0.014			Wt. g	
SILVER oz/T	XXXXXXX	0.01			Oz/T gold	
TOTAL mg Gold	1.800	0.119			Oz/T silver	
TOTAL mg silver	N/A	N/A			Wt. Gold mg	Wt. Gold mg

Percent recovery
gold = 93.80
silver = N/A
 $247/29.166 = 8.47$ A.T.
 $1.919/8.47 = 0.226$ ox/ton
247 grams milled 4 hours
8 hours agitated w/50 gr.Hg.

Free sodium cyanide
lb/Ton
Solution = _____
Ore = _____
Lime lb/Ton
Solution = _____
Ore = _____

Wt. silver mg
Wt. silver mg

Percent recovery
gold = _____
silver = _____

PH _____

[Signature]
Registered Assayer
Michael G. Jacobs
11650
MICHAEL G. JACOBS
DATE SIGNED
Arizona U. S. A.

JACOBS ASSAY OFFICE
 1435 So. 10th Avenue
 Tucson, Arizona 85713
 602-622-0813

DMEA LTD.

PRELIMINARY TESTS

SAMPLE NO. 16/1/2 conc. as received.
 Weight as received 204 grams ; Size, all minus 3/8 inches
 HEAD ASSAY: Gold 11.64 (caloz)/T, Silver N/A oz/T
 GOLD/200 grams XXX mg; SILVER/200 grams XXX

AMALGAMATION
 200 grams - 100 Mesh

800 cc water
 40 grams mercury
 1 gram sodium hydroxide
 Agitate 3 hours

AMALGAM

CYANIDATION
 200 grams - 100 Mesh

800 cc water
 2 grams sodium cyanide
 1,2 grams lime
 Agitate 24 hours

SOLUTION TAILS

METALLICS
 200 grams - 100 Mesh

10 minute screening
 time

→ Iron
 mg

METALLICS PULP

GOLD oz/T XXXXXXXX

1.028

Wt. g _____

SILVER oz/T XXXXXXXX

0.10

Oz/T gold _____

TOTAL mg Gold 74.160

7.185

Oz/T silver _____

TOTAL mg silver _____

N/A

Wt. Gold mg _____

Percent recovery

Free sodium cyanide

Wt. silver mg _____

gold = 91.17

lb/Ton Solution = _____

Wt. silver mg _____

silver = N/A

Ore = _____

$204/29.166 = 6.99$ A.T.

Lime lb/Ton Solution = _____

$81.345/6.99 = 11.64$ oz/ton

Ore = _____

204 grams milled 4 hours

8 hours agitated w/40 gr.Hg.

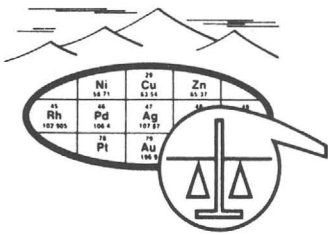
Percent recovery

gold = _____

silver = _____

pH _____





SKYLINE LABS, INC.
 1775 W. Sahuaro Dr. • P.O. Box 50106
 Tucson, Arizona 85703
 (602) 622-4836

INVOICE
 NET 30 DAYS

JOB NO. UQX 023
 January 10, 1985
 BLACK SAND CONCENTRATE

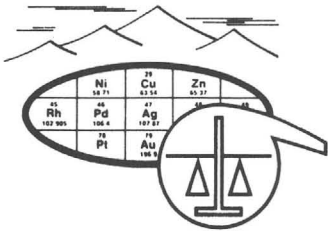
A.F. BUDGE (MINING) LIMITED
 Attn: Ms. Carole A. O'Brien
 DMEA Ltd.
 4203 North Brown Avenue, Suite F
 Scottsdale, Arizona 85251

RECEIVED JAN 11 1985

Analysis of 1 Black Sand Concentrate

1 SPEC @ \$16.00.....	\$	16.00
1 MINIMUM CHARGE @ \$ 3.50.....	\$	3.50
1 Sample dried @ \$.50.....	\$.50

Minimum charge	TOTAL \$	20.00
----------------	----------	-------



SKYLINE LABS, INC.
 1775 W. Sahuaro Dr. • P.O. Box 50106
 Tucson, Arizona 85703
 (602) 622-4836

INVOICE
 NET 30 DAYS

JOB NO. UQX 023
 January 10, 1985
 BLACK SAND CONCENTRATE

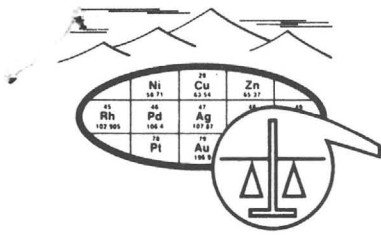
A.F. BUDGE (MINING) LIMITED
 Attn: Ms. Carole A. O'Brien
 DMEA Ltd.
 4203 North Brown Avenue, Suite F
 Scottsdale, Arizona 85251

Analysis of 1 Black Sand Concentrate

1 SPEC @ \$16.00.....	\$	16.00
1 MINIMUM CHARGE @ \$ 3.50.....	\$	3.50
1 Sample dried @ \$.50.....	\$.50

Minimum charge	TOTAL \$	20.00
----------------	----------	-------

DUPLICATE INVOICE



SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

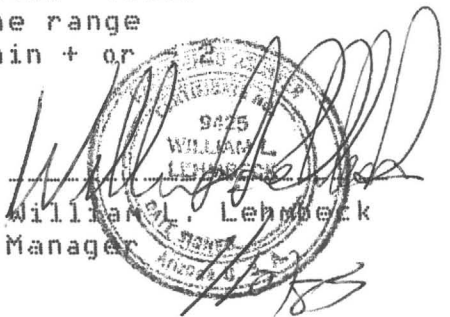
REPORT OF SPECTROGRAPHIC ANALYSIS

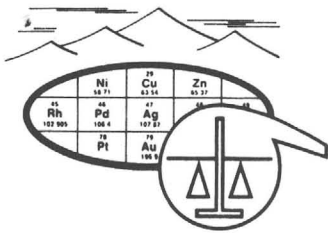
JOB NO. UQX 023
January 10, 1985
BLACK SAND CONCENTRATE

A.F. BUDGE (MINING) LIMITED
Attn: Ms. Carole A. O'Brien
DMEA Ltd.
4203 North Brown Avenue, Suite F
Scottsdale, Arizona 85251

Analysis of 1 Black Sand Concentrate

The attached pages comprise this report of analysis. Values are reported in parts per million (ppm), except where otherwise noted, to the nearest number in the series 1, 1.5, 2, 3, 5, 7, 10, etc. within each order of magnitude. These numbers represent the approximate boundaries and midpoints of arbitrary ranges of concentration differing by the reciprocal of the cube root of ten. The 'accepted' value is considered to be within + or - 1 step of the range reported at the 68 % confidence level and within + or - steps at the 95 % confidence level.


9425
WILLIAM L. LEHBECK
Arizona Registered Assayer
Manager



SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

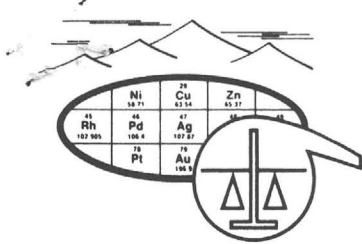
JOB NO. UQX 023
PAGE 2

ITEM NO. SAMPLE NO.
 1 = BLACK SAND CONCENTRATE

ITEM 1

ELEMENT

Fe	>20%
Ca	1.5%
Mg	.3%
Ag	150
As	<500
B	10
Ba	2000
Be	<2
Bi	10
Cd	<50
Co	100
Cr	500
Cu	300
Ga	<10
Ge	<20
La	1000
Mn	700
Mo	2000
Nb	<20
Ni	200
Pb	>10000
Sb	<100
Sc	10
Sn	<10
Sr	<100
Ti	10000
V	500
W	50
Y	300
Zn	700
Zr	5000



SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

REPORT OF SPECTROGRAPHIC ANALYSIS

JOB NO. UQX 023
January 10, 1985
BLACK SAND CONCENTRATE

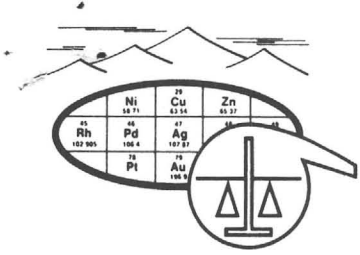
A.F. BUDGE (MINING) LIMITED
Attn: Ms. Carole A. O'Brien
DMEA Ltd.
4203 North Brown Avenue, Suite F
Scottsdale, Arizona 85251

Analysis of 1 Black Sand Concentrate

The attached pages comprise this report of analysis. Values are reported in parts per million (ppm), except where otherwise noted, to the nearest number in the series 1, 1.5, 2, 3, 5, 7, 10, etc. within each order of magnitude. These numbers represent the approximate boundaries and midpoints of arbitrary ranges of concentration differing by the reciprocal of the cube root of ten. The 'accepted' value is considered to be within + or - 1 step of the range reported at the 68 % confidence level and within + or - 2 steps at the 95 % confidence level.

William L. Lehbeck
Manager

cc: Jim Prudden
Frank Millsaps



SKYLINE LABS, INC.

1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

JOB NO. UQX 023
PAGE 2

ITEM NO. SAMPLE NO.
 1 = BLACK SAND CONCENTRATE

ITEM	1
ELEMENT	
Fe	>20%
Ca	1.5%
Mg	.3%
Ag	150
As	<500
B	10
Ba	2000
Be	<2
Bi	10
Cd	<50
Co	100
Cr	500
Cu	300
Ga	<10
Ge	<20
La	1000
Mn	700
Mo	2000
Nb	<20
Ni	200
Pb	>10000
Sb	<100
Sc	10
Sn	<10
Sr	<100
Ti	10000
V	500
W	50
Y	300
Zn	700
Zr	5000