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James Doyle Sell Mining Collection

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Exploration Department Southwestern United States Division

James D. Sell Manager

May 31, 1990

Mr. Lee Hopper 533 Orange Street Port Charlotte, Florida 33952

> Burchards-Sintex Claims Near Young, Gila Co., AZ

Dear Mr. Hopper:

Thank you very much for showing Mr. Gay around your property and helping with the securing of the various samples.

Skyline has returned the values, attached, and with the low ppm values in gold and silver from the apparent best part of the zone, Asarco will not further investigate your property.

Again, I thank you and wish you the best in evaluating your hematite iron-oxide prospect.

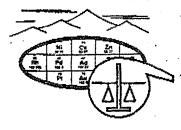
Sincerely,

James & Sect

James D. Sell

JDS:mek Att.

cc: W.L. Kurtz W.D. Gay



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

> JOB NO. TAJ 640 May 30, 1990 YG-1 TO 7 PAGE 1 OF 1

ASARCO INCORPORATED Attn: Mr. J. D. Sell Southwestern Exploration P.O. Box 5747 Tucson, AZ 85703 A 1200 In (

- MAY 3 0 1990

SW Experience

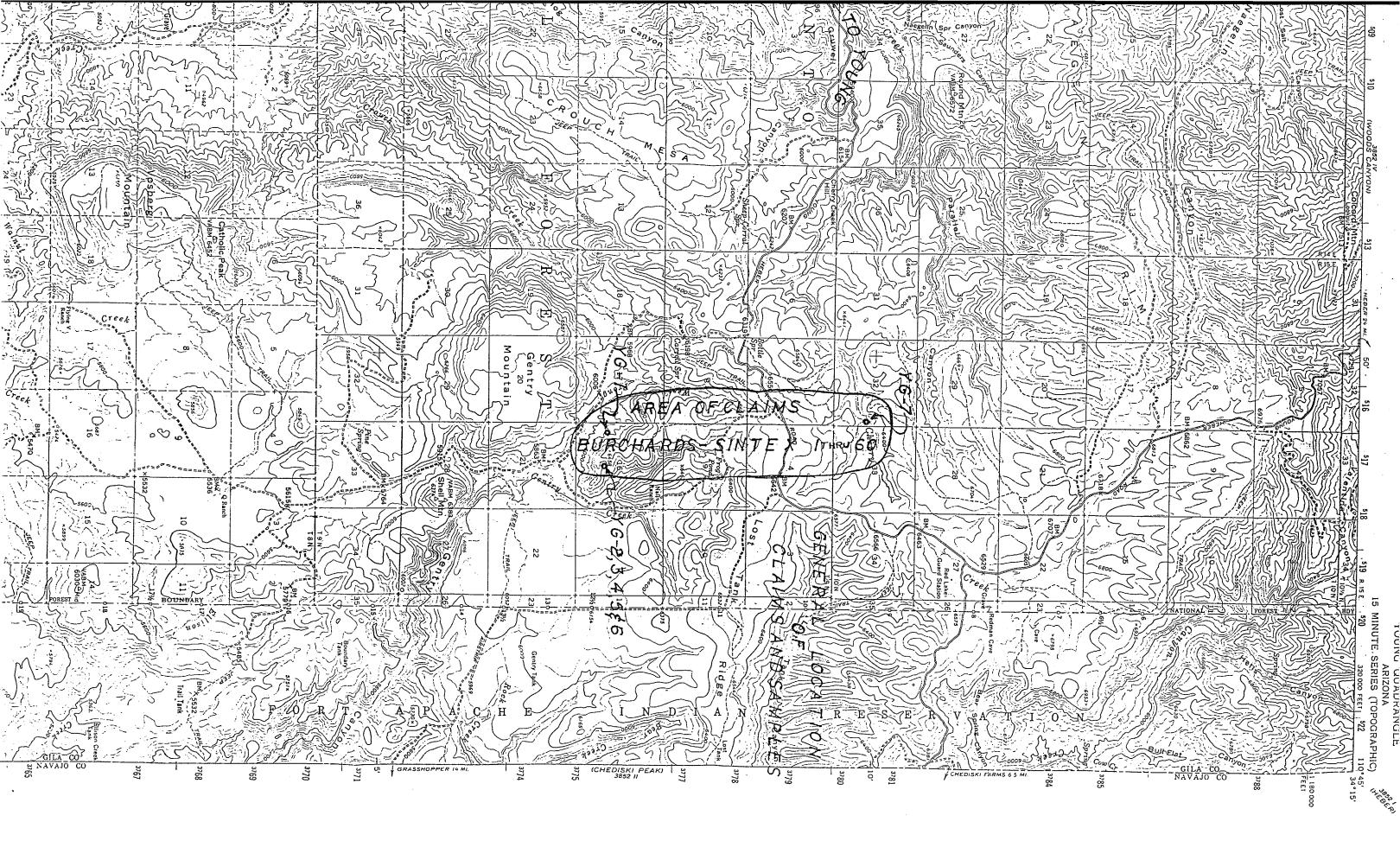
Analysis of 7 Rock Chip Samples

| ITI | SM S | AMPLE NO. | FIRE Au* (ppm) | ASSAY Ag* (ppm) |
|-----|-------|-----------|----------------------|-----------------------|
| | | | · · · · | |
| | 1 Y | G-1 | <.002 | . 4 |
| | 2 . Y | G-2 | .002 | .2 |
| | з ұ | G-3 | <.002 | .2 |
| | 4 Y | G-4 | <.002 | <.2 |
| | | G~5 | .018 | <.2 |
| | 6 Y | G-6 | <.002 | <.2 |
| | 7 Y | G-7 | <.002 | <.2 |
| : | | | | |

*NOTE: Method of analysis by combination fire assay and atomic absorption.

Manager

ac: W.D. GAY



5/2/90 Jim Sezc Lee Hopp (?) called and wants to know when you will visit property (are you really going to?) Please call him towarder, Theosday at 13-627-0971 Florida Microneculus He leires in TX. KURR Wilfata

FROM NE



April 23, 1990

ASARCO Inco:p.,

MAY 3 1990

SW Explanation

P. 2

SINTEX MINING 3120 Decker Drive Suite 2603 Baytown, Texas 77520

SUBJECT: Analysis of one Ore sample.

RE: Lab No.90-4-218

ANALYTICAL DATA: Results reported in troy ounces per ton.

Fax (713) 579-9663

| PARAMETER | HEMATITE |
|-----------|----------|
| Gold | 0.069 |

METHOD: Fire Assay: Tin Collection. FLUX:

| Soda As | ah 66 grams |
|----------|-------------|
| Borax | 20 grams |
| Silica | 16 grams |
| Tuoi引 | 4 grams |
| Tin Mete | al 30 grams |
| Öre | 30 grams |
| | |

- Place mixture into a 30 gram clay assay crucible and fuse at 1950 degrees F for 1 hour. 1. 2.
- Pour molten flux into a pre-heated mold and allow to cool. 3.
- Break out Tin button and hammer flat as possible. 4.
- Place flat-tin metal into a beaker and add 100 ml of Cons. HCl acid. 5.
- Digest all of tin button and allow to cool. 6.
- Fliter HCI solution and "Black" metallics through a 0.45 micron filter and rinse several times with D.I. H2O. 7.
- Place filter containing residue back into a beaker and digest with aqua regia acid. 8.
- Make solution to 20 mi with D.I. H2O. 9.
- Run solution by ICP or AA to obtain concentration of precious metals.

These results have been determined or obtained at the clients request. ACS Labs, Inc. warrants the information contained in this report is only representative of the samples as received. ACS Labs, Inc. and/or its employees make no representation or warranty, expressed or implied and assume no legal liability whatsoever as to the reliability of the samples or the results for any purpose.

ANALYTICAL CONSULTING SERVICES, INC.

Ernést P Williams

Lab Director

EPW/sab

P. 1 FROM To: JIM Sell ASARCO Tueson, Az. FAX 602. 192. 3934 ASARCO Incorportiol From: LEE Hopper MAY 3 1990 SINTAX Mining 813.627.0971 PORT Charlotte, FI る PAGES Vim- The Description of the mine or claim is Burchards Sin Tex Section 5-32. and 33, Township 10 NORTH, RANGE 15 EAST & TOWNSHIP 9 NORTH - RANGE 15 EAST. Gila and Salt River Base & Meridian Best regards, LEE Hopper



Southwestern Exploration Division

JDS

May 31, 1990

Mr. J.D. Sell

94. ₁₉

Visit to Burchards -Sintex Claims near Young, Gila Co., AZ

On May 18, 1990, I visited and sampled an area near Young, Gila County, Arizona, known as the Burchards-Sintex claim group (1 thru 60). This claim group contains a massive hematite (supposed to contain gold values) which outcrops on the south and north end of the claims. Average thickness is unknown to me, but previous sampling cuts and pits show about 6 feet of vertical exposure, but the bottom is still in the hematite. These claims have only been staked a few months and do not appear on the BLM microfiche. They will be listed on the next issued microfiche due out the end of May 1990.

Summary

The precious metal assay values are too low to warrant further work on this prospect.

Following are the names and known addresses of the owners:

| Lee Hopper | 533 Orange Street Port Charlotte, Florida | 33952 | (606) 745-2848 |
|---------------|--|-------|----------------|
| Lamar Mulford | 945W - 740S Richfield, Utah 84701 | | (801) 896-6348 |
| Jerry Alden | resides in Utah | | |
| Luca Nevarro | P.O. Box 365 Murdock, Florida 33938 | | (813) 625-4628 |
| Sam Drenovac | resides in Illinois | | |

Attached to this report is a map showing general area of the claims, sample locations, and assay results.

SAMPLES

Seven (7) samples were taken at location where the hematite was exposed.

YG-1 was a grab sample along a face about 200 foot long that had been blasted, exposing about a 6 foot face. Sampled on claim #45 on the southwest side of the claim area. J.D. Sell

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**_ <u>1</u>

May 31, 1990 Page 2

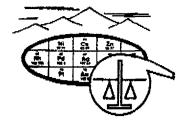
YG-2 sampled 2 faces (about 6' high) of a blasted area 3 on claims 46 and 48 on southeast area of claim block YG-3 YG-4 grab sample of broken muck along area between YG-2 and YG-3. YG-5 cut channel across floor about 3 feet wide east of face from YG-2 location. YG-6 sampled face of a discovery pit about 6 feet deep, known as 3-sisters. This sample was west ±200 ft. from YG-1, 1, 2, 3 & 4 sample area. YG-7 sampled cut (about 5 feet by 5 feet) on claim #9 on north end of claim block.

Ulilliam W. May William D. Gay

WDG:mek Att.

cc: W.L. Kurtz





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

> JOB NO. TAJ 640 May 30, 1990 YG-1 TO 7 PAGE 1 OF 1

ASARCO INCORPORATED Attn: Mr. J. D. Sell Southwestern Exploration P.O. Box 5747 Tucson, AZ 85703 A 1900 In (

MAY 3 0 1990

SW Exploration

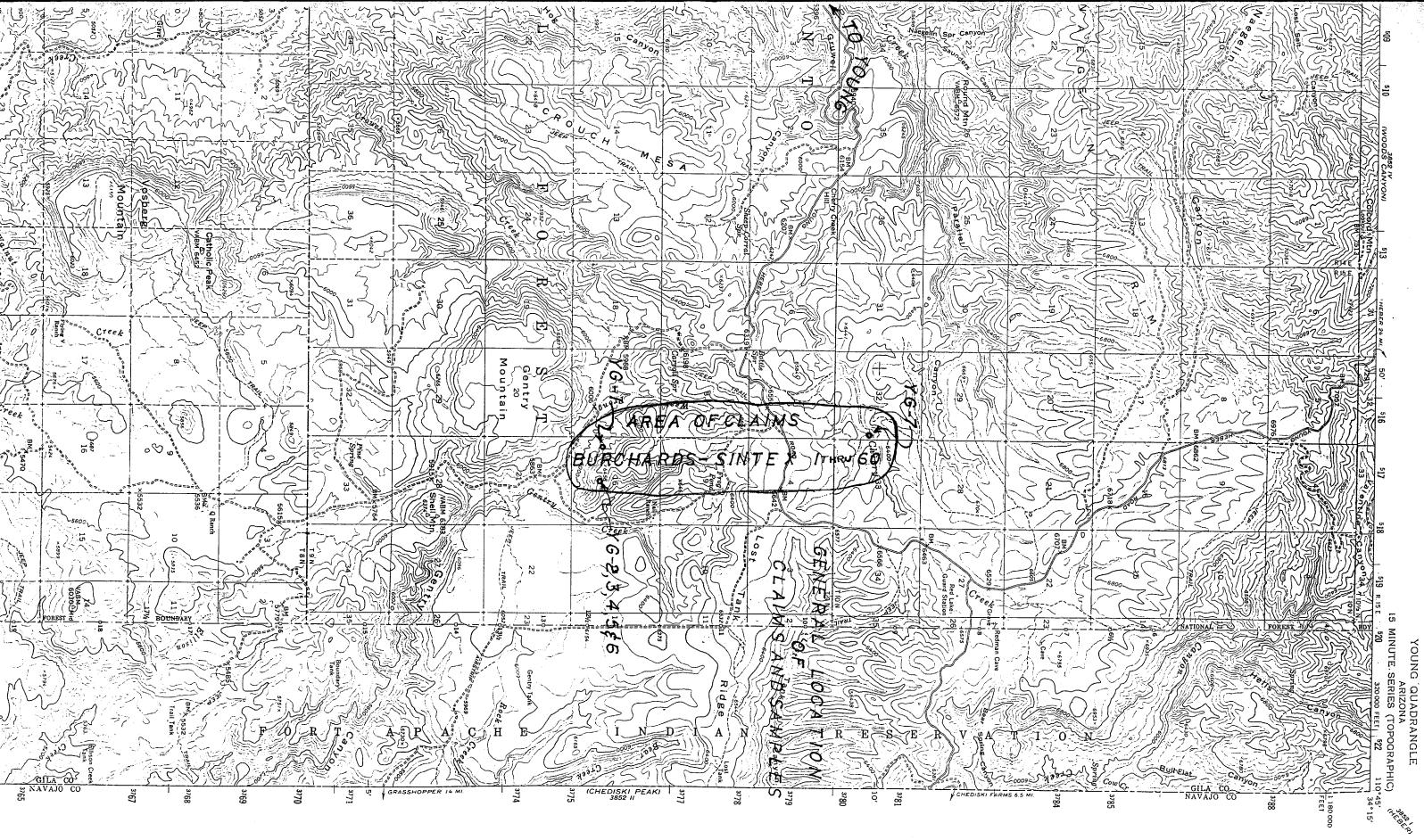
Analysis of 7 Rock Chip Samples

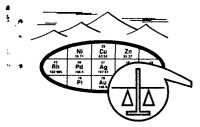
| ITEM | SAMPLE NO. | FIRE Au* (ppm) | ASSAY Ag* (ppm) | |
|------|------------|----------------------|-----------------------|---|
| | | | | ينين بين من بين بين جي چن بيا، 12 40 40 40 م |
| 1 | YG-1 | <.002 | . 4 | |
| 2 | YG-2 | .002 | . 2 | |
| 3 | YG-3 | <.002 | .2 | |
| 4 | YG-4 | <.002 | <.2 | |
| 5 | ¥G~5 | .018 | <.2 | |
| 6 | YG-6 | <.002 | <.2 | |
| 7 | YG-7 | <.002 | <.2 | |
| 2 | | | | |

*NOTE: Method of analysis by combination fire assay and atomic absorption.

OC: W.D. GAY

anager





SKYLINE LABS, INC. 1775 W. Sahuaro Dr. • P.O. Box 50106

1/75 W. Sahuaro Dr. • P.O. Box 50106 Tucson, Arizona 85703 (602) 622-4836 REPORT OF ANALYSIS

> JOB NO. TAJ 640 May 30, 1990 YG-1 TO 7 PAGE 1 OF 1

ASARCO INCORPORATED Attn: Mr. J. D. Sell Southwestern Exploration P.O. Box 5747 Tucson, AZ 85703

Analysis of 7 Rock Chip Samples

| ITEM | SAMPLE NO. | FIRE Au* (ppm) | ASSAY Ag* (ppm) | |
|------|------------|----------------------|-----------------------|--|
| 1 | YG-1 | <.002 | ٨ | |
| - | | | .4 | |
| 2 | YG-2 | .002 | .2 | |
| 3 | YG-3 | <.002 | .2 | |
| 4 | YG-4 | <.002 | <.2 | |
| 5 | YG-5 | .018 | <.2 | |
| 6 | YG-6 | <.002 | <.2 | |
| 7 | YG-7 | <.002 | <.2 | |

*NOTE: Method of analysis by combination fire assay and atomic absorption.

ASA 100 1980-00 -

MAY 3 1 1990

SW EXPINIATION

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iner and a second s

4/9/90

JPS 7/3-422-3608 A Mr. Lee Hopper will send you an "unbelieve" report on proporty new Young, AZ.

Geophic says diter with gold /Fe at 2000 feet depth along a dike but They have assungs (surface?) That run several avecs gold. You handle as you see fit. Kut

Hupper's in Re Setter business

and she had

| COVER S | SHEET JDS - looks like a Sulphur Mana 3120 Deckor D Baytown, TX 7 Want (713) 422-3608 | foardoog(C gement Inc. r Suite 2603 |
|---------|--|---|
| • | Last pare quoin locationi ES INCLUDING THIS COVER SHEET: | APR 1 1 1990 |
| ΤΟ | FAX NUMBER (602) 792. 3934 ATTENTION: Bill Kurtz COMPANY NAME Asarco ADDRESS TUCSON HOME/OFFICE NUMBER (602) 792. 3010 | · |
| FROM | NAME LEE HOPPER COMPANY NAME 3. M. 1. ADDRESS HOME/OFFICE NUMBER (113 422.3608 REPLY TO FAX NUMBER (113.3.3608 | |

Bill - Please look these over - 1 will send you the County records and BLM if you need them -Best regards W8E

DR. R. ANDERSON & ASSOCIATES 7513 Monterey Circle/Sandy, Utah 84070 (801)943-3726

RECEIVED

APR 1 1 1990

EXPLORATION DEPARTMENT

To: Snow Flake Mining & Exploration Co. April 10, 81 Route 2, Box 712 Idaho Falls, Idaho 83401

Attention: Richard Hall, President

Subject: Assay and Test Information on Lucky Strike Cre Body

Gentlemen;

TRUTI THE

The assays referred to in the discussion on the subject ore material are as follows:

(1) X-ray Fluoresence Data by Rogers Research and Analysis, Inc. dated July 29, 1980.

(2) Assay data purported to be by chemical methods by Chemtec Corporation dated August 22, 1980.

(3) Goephysical Assay data of Troy B. Jacobsen dated August 26, 1980.

(4) Assay data of unknown type by R. Faugyn, dated August 24, 1980.

(5) X-ray Fluoresence Data by Rogers Research and Analysis on metallic buttons produced in an incomplete test run by A. Rosenhan, Murray, Utah, using an electrosmelting method with lead and irom as the collector.

(6) Fire Assay data on the same buttons as above by Merwin, White of Murray, Utah.

The material, described a Red-Black Rock (ore), taken from the Lucky Strike Claim, shows that the material can be successfully processed for recovery of the gold and silver content followed by iron recovery. The tests of Rosenhan shows that the ore material can be successfully slaged with conventional fluxing agents to provide a sufficiently fluid slag for the precious metals of larger size to settle out and be collected by the collector. This single thing is the major factor or concern that we have in applying the FSET process for recovery of the subject ore.

The x-ray fluoresence assays of Roger's Research agrees well with the electronic data of Troy B. Jacobsen on both silver and gold contents. The electro-smelting test not completed by Rosenhan because of crucible failure. The high iron and lead content buttons produced by Rosenhan and assayed by Rogers related back to the original ton of ore, give 0.46 tr. oz. per ton for gold and 22 tr. oz. for silver, as contrasted to the fire assay of White of 0.103 tr. oz. for gold, and 9.83 tr. oz. for silver. These agree reasonably well with the data of Chemtec and Faugyn for gold, but the silver is way off. Returning to the uncompleted test, very substantial metals material remained in the slag. It is our general experience on ores of this type that Roger's assays are conservative and in general give a very realistic value of the values present in the ore, but give no clue as to what can be recovered. The high iron content in the ore has a tendency to suppress the x-ray fluorescent signal. The values yield much higher fluorescent value when we extract the values into copper where values do not interfer and an increase is normally found in the range of 3 to 6 times over the values determined in the original high iron content ore.

The following conclusions can be drawn based on the knowledge of the Rosenhan tests coupled with the other results. Especially the fire assay data of White.

- (1) The material can be successfully processed and the values recovered by the FSET process. No slagging problems are anticipated.
- (2) A reasonable expected recovery based on several tests performed on similar material would be that the gold should lie between 1 and 2 tr. oz. per ton and the silver between 20 and 30 tr. oz. per ton.
- (3) The major values of the gold and silver must exist in particle sizes of a few microns giving rise to the very small results of Chemtee and Faugyn compared to the results of Rosenhan's test when assayed by both x-ray and fire. The electrosmelting has drawn very substantial fine value out of which do not normally respond to recovery methods.

(4) The FSET process rejects the iron in the processing step into the slag when the copper and slag are rejected. The iron can then be separated and readily rejected to become pig iron by changing the slag composition with silica and reducing the iron with coke. This permits recovery of the precious metals and the iron as useful products.

ordially, nderson

Dr. Ralph Anderson

CHEMTEC CORPORATION

POST OFFICE BOX 5 HENDERSON, NEVADA 400 PHONE: (701) 564-5255

P. 3

Date: August 22, 1980

Name: Snowflake Mining Address: Hal Blu

ΝE

FROM

Dear Sir: Following is the information you requested from the samples you submitted to us.

| • | Class | | Lot | | | | | |
|-------------|----------------|--------------|---------------|--------------|---------|----------|---|---------|
| Lab. XO. | Sample (ID) | Per 2 | 2000 Lbs. | · | | ····· | • <u>••</u> ••••••••••••••••••••••••••••••••• | |
| | | oz/ton PT | oz/ton AU | oz/ton AG | % PB | % CU | % FE | % ZN |
| :/25 | Sample #1 | ····· | .7088 | .14585 | <u></u> | <u> </u> | 47.78 | |
| \$/26 | Sample #2 | | ,69 42 | .11668 | | · | 55.02 | |

This information is to be used only by the person or persons submitting the samples and is not to be used for any other purpose such as solicitingof funds or promotional activities, without the written permission from Chemtee Corporation. Such information will be submitted on a different form.

3

Sincerely,

Dr. D.E. Davies Robert R. Neichan

ECONOMICS:

NE

The two samples assayed show the following results: No.1 - Lucky Strike No. 1 No. 2 - Lucky Strike No. 2 Fe 47.78% Fe 55.02% Au .71 oz/ton Au .69 oz/ton Ag .11 oz/ton Ag .117 oz/ton

Values of Fe and Au shown are definitely ore grade. Skillings Mining Review, dated January 15, 1972, page 15 states that Kaiser Steel, Eagle Mountain works was mining and processing ores at a grade of 35% to 38% iron. Any ore grading 50% or better should be considered viable.

The gold values reported should be considered very high at .7 oz/ton which has a value of approximately \$450.00 per ton in a fluctuating market. The values are certainly high enought to overcome any existing problems with the metallurgy.

The distance between the two samples assayed was approximately 1500 ft. For every 100 ft. of width and 10 ft. of depth of such mineral using a tonnage factor of 7 cu. ft./ton would result in 214,000 tons having an approximate value of \$107,000,000.

It should be concluded that this prospect be given additional evaluation attention.

Respectfully submitted.

Jaugn 17.<u>+</u>. 8-24-1980

Ρ.

ROGERSE RESEARCH & ANALYSIS INC.

HONE OFFICE SSINOR (H 1100 EAST SDUNTEUL UTAH 84 111, PHONE 18011 295 4402

P. 5

2340 South Redwood Road (1700 W.) Salt Lake City, Utah 84119 Phone 801-973-4637 CLAIR.W. ROGERS, President .

Dr. see Richardson

April 10, 1981 RRA# 41081-2

Ideho Falls, Idaho

Customers Identification: Small Button

Antimony •4% Palladium Trace Arsenic .6% Platinum Trace Barium Trace Rhodium Trace. Eismuth .1% Rubidium Trace Chromium .8% Ruthenium Cobalt Trace Silver 5.5 oz/tonlopper .9% Strontium Trace Gold 3.2 oz/tonThorium lron 75.8% Tin • . . . Lead 12,3% Titanium .8% Manganese .5% Tungsten .1% Molybdenum Trace Uranium Nickel .2% Vanadium Trace Osmium Trace Yttrium ----

Zirconium

Zine

•6%

Clair W. Rogers M.S.

FROM NE

ROGERS RESEARCH & ANALYSIS INC.

HOME OFFICE 551NORTH \$100 EAST BOUNTIFUL UTAH 84 111. PHONE (8013 295 4402)

E2340 South Redwood Road (1700 W.) Salt Lake City, Utah 84119 Phone 801-973-4637

Dr. Bee Richardson

: • •

April 10, 1081 RRA# 41081-1

Idaho Falls, Idaho

Customers Identification:

Large Button

| Antimony | •2% | Palladium | Trace |
|----------------|----------------|-----------|-----------------------------------|
| Arsenic | • 5% | Platinum | .1 'oz/ton |
| Earium | | Rhodium | <u> </u> |
| Eismuth | Trace | Rubidium | |
| Chromium | • 4% | Ruthenium | |
| Cobalt | Trace | Silver | 305.5 oz/ton |
| Coppor | 4.3% | Strontium | Trace |
| Gold | 6.2 oz/ton | Thorium | |
| Iron | 58. 3 <u>5</u> | "l'in | ■ d ¹ = 1 ⁰ |
| Lead | 25.6% | Titanium | -4% |
| Manganese | • 4% | Tungsten | Trace |
| Molybdenum | Trace | Uranium | · |
| Nickel | •2% | Vanadium | - 7 |
| Osmium | Trace | Yttrium | |
| | | | |

Zirconium

Zinc

.3%

Clair W. Rogers M.S.

P. 6

FROM NE

ROGERS

P. 7

MAIN GREIGE 68 SOUTH MAIN STREET SALT LAKE CITY UTAH 84101 PHONE 18013 4000000 \$ \$ 1001 \$

HOME OFFICE 551NOATH 1100 EAST 60UNTIFUL, UTAH 84010 PHONE 1801) 285-4402

July 29, 1980

CLAIR W. ROGERS, President

Mr. Richard Ball

Lout 9 Box 331

Maho Falls, Idaho

Astomers Identification:

Red Black Rock

RESEARCH & ANALYSIS INC.

| | | , | | |
|------------------|---------------------|-----------|--------------|-------------------------------|
| Intimony | .2 \$ | Palladium | | ۰. |
| imenio | .4 \$ | Platinum | Trace | |
| Arium . | 1.1 \$ ['] | Rhodium | Trade | 2 * |
| Limuth | | Rubidium | .1 % | nin ana Ininina ang sana a |
| Qro <u>mi,um</u> | -7 \$ | Rithenium | | • |
| Gobelt | | Silver | 15.3 os/ton | 7 |
| Copper | .1 % | Strontium | . 3 ≸ | |
| ald | 2.2 oz/ton | Thorium | | |
| lridium | ÷ | Tin . | | 14 1 |
| lion | 62.1 \$ | Titenium | 1.2 % | |
| uid (| .4 % | Tungsten | Trace | · · · · |
| Baganese | .6 🛪 | Uranium | • | |
| blybdemum | Trace | Venadium | | • <u>.</u> |
| Leks1 | .1 \$ | Ittrium | <i></i> | |
| Andrea | Trace | Zino | .3 🛪 | |
| | | Zirconium | .2 \$ | • |
| ani nu | 11 004 | - | | • • |

7

TROY B. JACOBSON CO.

GEOPHYSICAL REPORT -- LUCKY STRIKE MINE, YOUNG, ARIZONA

P. 8

Description -- Lucky Strike #1 and Lucky Strike #2 being in Sections 5, 32 and 33, Township 10 North, Range 15 East and also being in Township 9 North, Range 15 East, Gila and Salt River Base & Meridian, and further being known as a part of the Ellison Mining District,

This geo-physical survey for the Lucky Strike Mine, the second accomplished on August 22, 23, 24, 25 and 26th of 1980.

After exploring and observing the surface topography and geology, I was able to follow the mineralized zone, a Dyke, running 3.1 mi. long and .6 mi. wide. The formation trend along this Dyke runs 30° West of North, has several faults, no noticeable displacements and displays outcroppings at both ends of the Dyke. (Located in: T-10 N, Sec 32, 33 R, 15E, and T-9 N, Sec 4, 5, 8, 9, 16, 17 R. 15E. In the Snowflake Claims 1 through 76 inclusive.)

With my electronics, I was able to measure depth of mineralization on both sides of the Dyke at approximately 2800 feet.

The electronics indicate recordings at a minimum of Au @ 1.5 oz to 2.5 oz per ton. Ag @ 8 oz to 12 oz per ton. The base metal in this ore body is Iron and the recordings indicate some 40% to 60% by weight. Random samples weigh approximately 6,000 pounds per cubic yard.

The ore body is clearly of commercial value, and is very well-sulted to an oper-pit operation. Further, I would suggest a chemical separation of the Au and the Ag,

Although the enrichment of this Body comes from a sub-terranian depth and indicated recordings show the nominal depth of 2800 feet average at two points on the Dyke, ore at far greater depths may be found. -- But for purposes of estimating, I am using 210 feet depth times length and width in the spirit of being conservative. The ore body, then, is in excess of 400 milllon cubic yards and 1.2 Billion tons.

From this evidence, proven by the geophysics, the Lucky Strike Mine is a ind larg most impressive iron ore body -- the best and largest with which I have dealt.

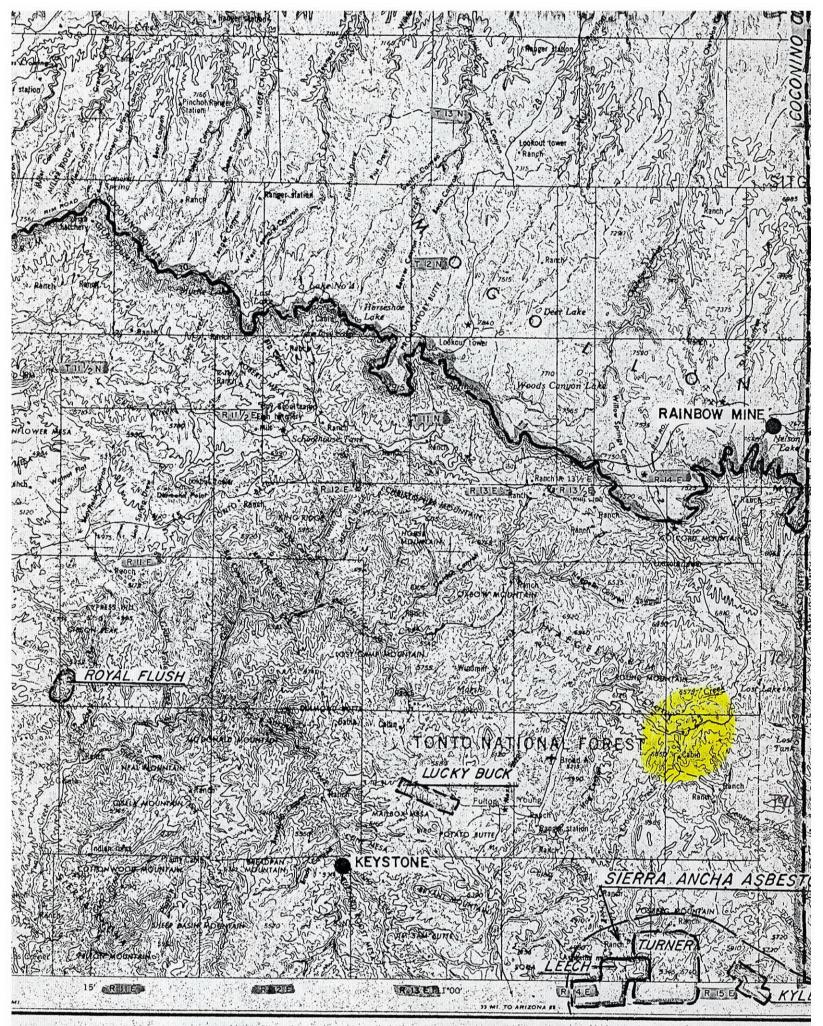
Lucky Strike Mine والمعارية في الراب الاحد فالتركي

ROM

ΝE

Report completed this 26th day of August, 1980

The second s



MESA AMS