



CONTACT INFORMATION

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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 03/05/2003

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: IRON KING TAILINGS

ALTERNATE NAMES:
IRONITE PLANT

YAVAPAI COUNTY MILS NUMBER: 711

LOCATION: TOWNSHIP 13 N RANGE 1 E SECTION 15 QUARTER SW
LATITUDE: N 34DEG 30MIN 05SEC LONGITUDE: W 112DEG 15MIN 10SEC
TOPO MAP NAME: PRESCOTT VALLEY S - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

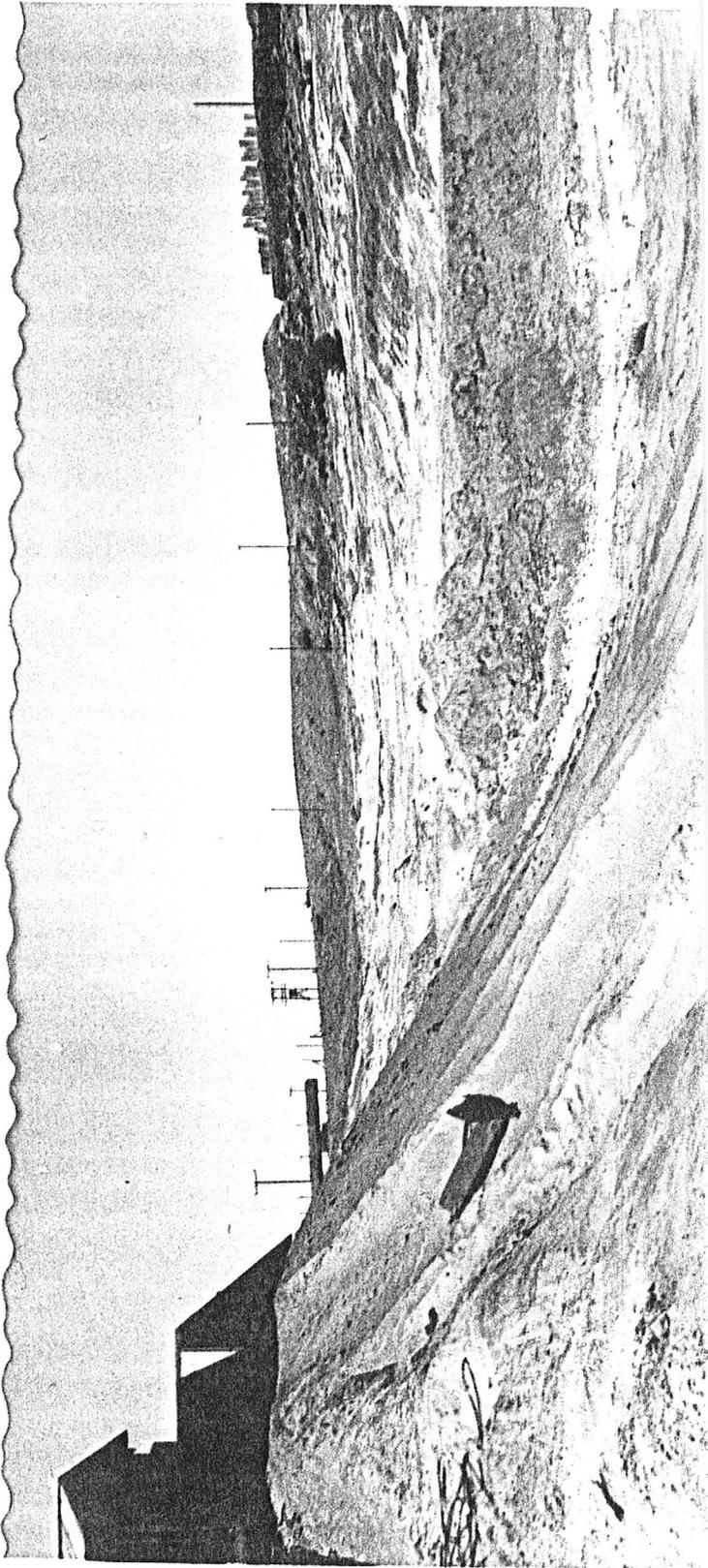
COMMODITY:
GOLD
SILVER
LEAD
ZINC

BIBLIOGRAPHY:
ADMMR IRON KING TAILINGS FILE

A-80-6
C-1950



A-80-3
C-1950



IRON KING TAILINGS (A)

84313074.

(602) 297-7231

MAR 28 1988

P.O. BOX 36446
TUCSON, ARIZONA 85740

Cimetta
Engineering &
Construction Co., Inc.

Hammy
10173100
STATE MINE INSPECTOR

MAR 28 1988

March 25, 1988
CEC Project #88-571

State Mine Inspector
James H. McCutchan
1624 West Adams, Room 208
Phoenix, AZ. 85007-2606

Subject: Metex Project

Dear Mr. McCutchan,

This is to inform you that Cimetta Engineering and Construction Company, Inc. has begun preliminary ground work for a soil supplement plant for Metex Ltd.

The plant is located approximately 20 miles south of Prescott on Highway 69. Take the first right turn off Highway 69 after the Humbolt main street exit. The sign at the turn off reads Ironite. Follow the new dirt road to the construction site.

At present Mr. Lyle MacNee is site superintendent and located on site. He can be reached at our McCabe Mine Construction office at 632-5850.

Sincerely,



George Gragg
Project Manager

GG/jlm

cc Tony Cimetta

COMPLETE AND MAIL TO.

STATE MINE INSPECTOR
1616 WEST ADAMS, SUITE 411
PHOENIX, ARIZONA 85007-2627

MAR 19 1989

IRON KING TAILINGS (F)

OR OFFICE USE ONLY

START-UP NUMBER _____
STATE NUMBER _____
DEPUTY NUMBER _____
NEW _____ MOVE _____

L. W. B. Davel

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with the Arizona Revised Statute, we are submitting this written notice to the Arizona State Mine Inspector of our intent to start _____, stop , move _____ an operation.

Please check the appropriate boxes: Contractor , Owner , Operator , Open Pit Mine ,
Underground Mine , Mill , Quarry , Aggregate Plant , Hot Plant , Batch Plant ,
Smelter , Leach Plant .

If this is a move, please show last location: _____

If you have not operated a previously in Arizona, please check here: _____ If you want the
Education and Training Division to assist with your mine safety training, please check here: _____

If this operation will use Cyanide for leaching, please check here: _____

COMPANY NAME: CIMETA ENG. & CONSTRUCTION, CO.

DIVISION: CONSTRUCTION FEILD

MINE OR PLANT NAME: IRONITO PRODUCTS TELEPHONE: 297-7231

CHIEF OFFICER: MR. A. CIMETA

COMPANY ADDRESS: 9800 N. ORACLE RD.

CITY: TUCSON STATE: ARIZ ZIP CODE: _____

MINE OR PLANT LOCATION: (Include county and nearest town, as well as directions
for locating property by vehicle: IRONITO PRODUCTS P.O. BOX 218

HUMBOLT, ARIZ 86329.

TYPE OF OPERATION: PROCESS PLANT PRINCIPAL PRODUCT: SOIL SUPPLEMENT

STARTING DATE: _____ CLOSING DATE: _____

PERSON COMPLETING NOTICE: L. B. M. Crew TITLE: SAFETY DIRECTOR

RECEIVED
APR 12 1989

COMPLETE AND MAIL TO

IRON KING TAILING

FOR OFFICE USE ONLY	
START-UP NUMBER	94320092
STATE NUMBER	030075
DEPUTY NUMBER	Hamm
NEW	MOVE

STATE MINE INSPECTOR
 1616 WEST ADAMS, SUITE 411
 PHOENIX, ARIZONA 85007-2627

APR 03 1989

NOTICE TO ARIZONA STATE MINE INSPECTOR

In compliance with the Arizona Revised Statute, we are submitting this written notice to the Arizona State Mine Inspector of our intent to start , stop _____, move _____ an operation.

Please check the appropriate boxes: Contractor , Owner , Operator , Open Pit Mine ,
 Underground Mine , Mill , Quarry , Aggregate Plant , Hot Plant , Batch Plant ,
 Smelter , Leach Plant .

If this is a move, please show last location: _____
 If you have not operated a previously in Arizona, please check here: _____ If you want the
 Education and Training Division to assist with your mine safety training, please check here:
 If this operation will use Cyanide for leaching, please check here: _____

COMPANY NAME: IRONITE PRODUCTS COMPANY

DIVISION: HUMBOLDT PRODUCTION PLANT

MINE OR PLANT NAME: IRONITE PRODUCTION PLANT TELEPHONE: (602) 632-7214

CHIEF OFFICER: WAYNE WRIGHT, PLANT MANAGER

COMPANY ADDRESS: P.O. BOX 218

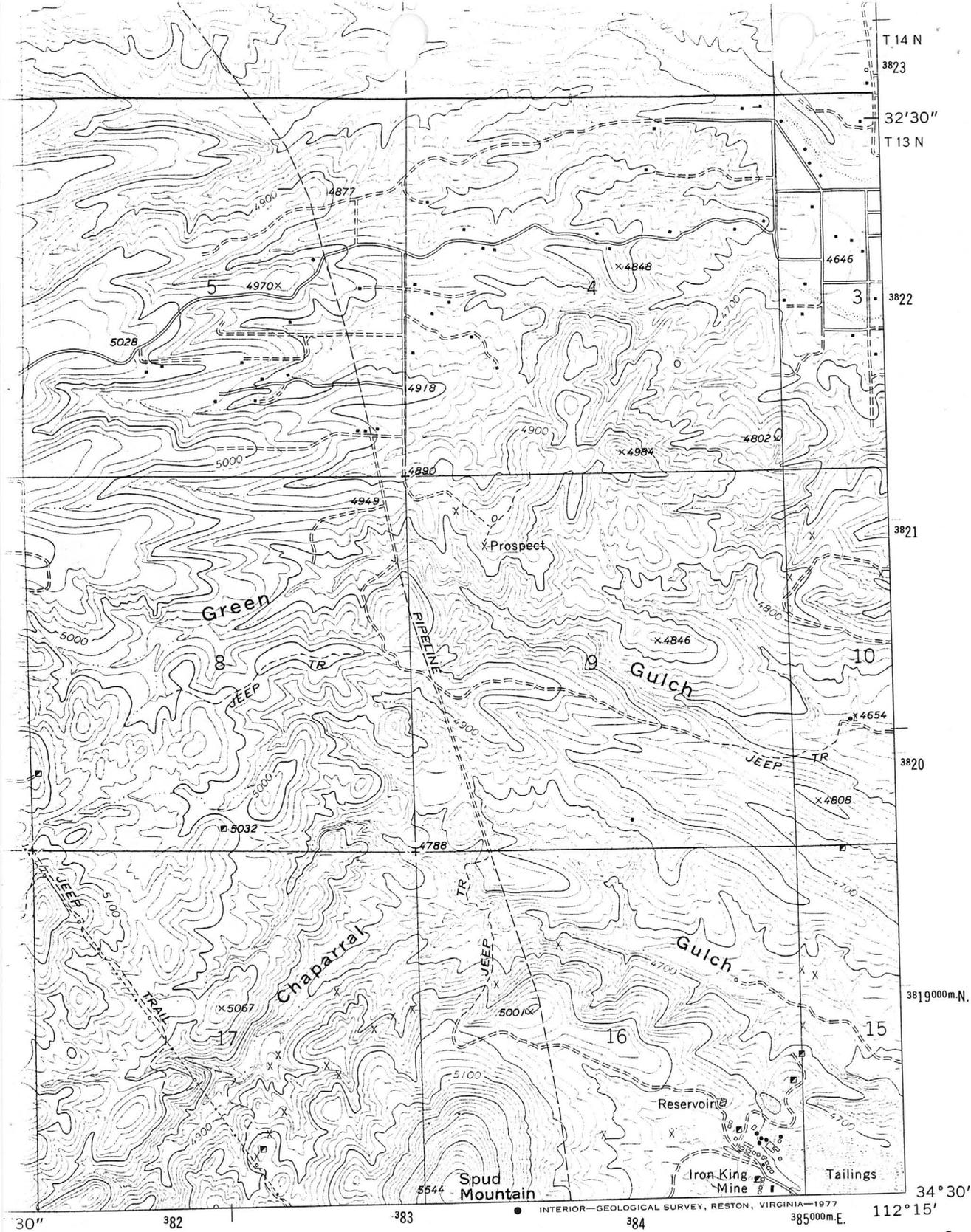
CITY: HUMBOLDT STATE: AZ ZIP CODE: 86329

MINE OR PLANT LOCATION: (Include county and nearest town, as well as directions
 for locating property by vehicle: IRONITE ROAD, HUMBOLDT, AZ

TYPE OF OPERATION: Mill PRINCIPAL PRODUCT: Soil Supplement

STARTING DATE: February 13, 1989 CLOSING DATE: _____

PERSON COMPLETING NOTICE: Wayne Wright TITLE: Plant Manager



ROAD CLASSIFICATION

- | | |
|---|---|
| Primary highway,
hard surface..... | Light-duty road, hard or
improved surface..... |
| Secondary highway,
hard surface..... | Unimproved road..... |
| ○ Interstate Route | ○ U. S. Route ○ State Route |



PRESCOTT VALLEY SOUTH, ARIZ.

ARIZONA MAP SHOP
2318 N. CENTRAL AVE.
PHOENIX, AZ 85004
(602) 252-9348

SE/4 PRESCOTT 15' QUADRANGLE
N3430—W11215/7.5

(MAYER)
3552 I NW

IRON KING TAILINGS

YAVAPAI COUNTY

NJN WR 4/3/87: Don White (card) reported that art Still owns the Kron King Tailings (Iron King - file) Yavapai County. The tailings are estimated to be 5.5 million tons containing .055 oz/ton A_2 , 1% zinc and 1/3% arsenic.

+ .7 A_2

KAP WR 5/1/87: In the company of Nyal Niemuth a visit was made to Iron King Tailings (file) Yavapai County. Earth products continues to recover tailings and process them for soil supplement. The Iron King Tailings have been used for this purpose for about 20 years, and yet the excavation within the pile appears insignificant in relation to the total extent of the tailings.

KAP WR 5/1/87: In the company of Nyal Niemuth, a visit was made to the Iron King Mine (file). The east (smaller) production shaft is open and the collar is in good shape and very well fenced. The main production shaft is plugged. All surface plant and mill equipment has been removed except a old Ingersol Compressor and its open frame motor. All of the support buildings, constructed of concrete block are still standing and are in fair condition.

MG 10/23/87: The new owner of the Ironite fertilizer operation at the Iron King mine (file) Yavapai County is Metex Ltd., 7496 E. Pleasant Run, Scottsdale, AZ 85258: Mr. Heinz Brungs is the president. Ironite production from the mine tailings is to be expanded.

NJN 1990; Corporate address; Ironite Products Company, 3700 E. Via De Ventura, Scottsdale, Arizona, phone 602-99109804. Phoenix Phone number for plant at the Iron King Tailings (file) in Humbolt, Yavapai County 602-340-9363.

IRON KING MINE TAILINGS

YAVAPAI CO.

RRB WR 5/1/81 - Jack Pierce reported that Metex Ltd. and Lurgi are to set up 3,000 TPD plant this fall to treat tails at the Iron King Mine. Expect to go underground later.

MG WR 1/8/82: Ben R. Dickerson III, Exploration Manager, Callahan Mining Co., Phoenix, reports a rumor that someone is mining the tailings at the Iron King mine, Yavapai County. I suggested he contact the owner, Mr. Arthur Still, consulting geologist of Tucson.

RRB WR 4/23/82: George Rohrs was in to look at the Iron King file. He said that he had been swindled on an earlier deal and this time he was trying to determine if the deal he'd been offered at the Iron King was at least in the realm of possibility. We had a long talk about things to ask for and things to watch for.

NJN WR 3/4/83: Fred M. Johnson reported that he was the geologist at the Iron King Mine, Yavapai County when it shut down. Before the Shutdown he drilled several sections that were not economic to get to from the #7 shaft. If that shaft were in use today, the relatively high precious metal content contained would make that material left behind economic.

NJN WR 10/4/85: Allan St. James(c) reported that Sante Fe Mining will begin drilling on the Iron King Mine (f) Yavapai County soon.

NJN WR 10/24/85: It was reported that a company called Metex Co has floated a multi-million dollar bond to expand production of "ironrite" from the Iron King (f) tailings, Yavapai Co. by 10 times.

NJN WR 6/27/86: Provided information to Tom Lordam, an attorney in Phoenix for the Iron King Mine (f) Yavapai County. He has sent us a copy of an affidavit regarding his client's royalty lease on the property.

IRON KING MINE TAILINGS

Office visit by Gary Smith, 12/11/75: Reported the placer operations is marginal. (talking about Ironwood Mng. Co.) Must find some other way (\$110,000 invested) Reported that a Mr. Del Schultz (?) from Naples, Florida, was going to put money in Kinman's process. Kinman moving operations to Iron King Mine. Mr. Smith said Kinman would process concentrates for 10% of values. Mr. Smith would have to provide the equipment to process the ore into a concentrate. This would include pulverizer (-150 mesh), mixing vats, burner (kiln), agitator and dryer. Discussed possibilities of cyaniding cons. Mr. Smith stated Dr. Wilson (Tempe) took some of their concentrates - never returned them. JHJ.

Ed Armstrong, geologist for Goldex Mining Company, said that the company has taken over the Iron King mine at Humboldt and would begin installing a headframe and mill in the near future. GW WR 9/29/76

Ed Armstrong, Wickenburg, geologist for Goldex Company, came in for a brief visit saying his company is negotiating for a double-drum hoist and gallow frame at Bisbee for the Iron King project. GW WR 10/15/76

Messrs. Vian & Sylvania came in to be shown the results of their experimentation on some Iron King mine tailings. They had Mr. Statler assay some of the sediment they had recovered from Phoenix tap water; while at Iron King they got some tailings and obtained some dark gray to black sediment from them, it wasn't magnetic. It was suggested they try to dissolve the sediment in HNO_3 . WR GW 3/25/77

WR KP 1/3/78 - Additional discussions were held with Dick Burns on the need for a pilot plant roasting facility to evaluate his Wickenburg area silver ores. The soil supplement plant at the site of the Iron King Mine in Humboldt District of Yavapai has a roaster capable of treating 25 tons per day is likely the best choice if a short-term arrangement can be made. 2/22/78 sef

KP/WR 10/25/79 - Walt Statler reported that the German interests, Metex Co. are continuing their evaluation of the tailings at the Iron King Mine, Yav. Co.

Mine visit and plant tour. Iron King mine and interview with Mr. Jack Pierce. Toured soil supplement plant. Material flow through plant is as follows:

Dry mine concentrator tailings are delivered to soil supplement plant intake storage bins. From the storage bins, the intake is fed to a 3 foot long horizontal screw mixer, concentrated sulphuric acid is added at the input to the mixer. A chemical reaction, converting approximately 10% of the sulphides to sulphates, takes place in the first 12 inches of the mixer. Water is added at the 12 inch point to dilute the remaining sulphuric acid. In the remaining 24 inches of mixer length most of the pyrite is reacted to form pyrrhotite. The wet material is then dried in a gas fired dryer and crushed in a roller crusher to +16-8 mesh; the fines being returned to the mixer. The +16-8 material is fed to a two stage column in which dry ammonia is added to supply nitrogen. The final product from the ammonia column is bagged or boxed and shipped.

KAP Report of Dec. 14, 1972

Mr. Walt Statler is hardly "making beans" in the assay lab at the Iron King, he said. He also said 3 Canadian geologists working for AS&R had been making a geologic reconnaissance of the Iron King area. GW WR 1/24/73

Stopped at Humboldt and saw Walt Statler, assayer, who said he was about "shut down." GW WR 2/8/73

Jack Pierce of Iron King concerning Santa Fe Railway intention to pull spur line out of service. FTJ WR 3/7/73

Went to the Iron King mine to see Walt Statler, assayer, but he was gone. GW WR 3/21/73

Stopped at the Iron King mine but Walt Statler wasn't around and Mr. Pierce was underground so came to Phoenix. GW WR 3/22/73

Visited briefly with Walt Statler at Iron King who also said he had seen nor heard from Selco for sometime, He had several dry drill samples from Jerry Withers who has been sitting on 8-10 holes for Steve Radback near Lake Pleasant. GW WR 5-16-73

Bear Creek Company conducted a mercury vapor survey in the Iron King mine area and is reported to have found an anomaly east of the old mine. GW AR 73-74

MEMORANDUM

To: Iron King File
From: John H. Jett, Director
Subject: Office Visit - Mr. Heinz Brungs with Metex Co.
Date: November 8, 1979

✓ Mr. Heinz Brungs with ✓ Metex Co., 4310 North 69 Place, Scottsdale, Arizona 85251, phone: (602) 994-3461, was in the office.

Metex is the company that leased the Iron King tailings. Shipped some to Germany for research and Hazen Research in Golden is running tests.

The office at the mine is closed at this time, waiting results of test. Hope to have results after first of the year. May have to re-grind then float. Will recover Pb, Zn, Cu, Au, and Az. An estimate is 70-80% of the gold will come out in the copper.

JHJ:mw

1/200 KING (F) 616 BUL DISTRICT / CRR a
TAKING

Law Offices
Meyers & Lordan
A PROFESSIONAL CORPORATION
SUITE 2110
3003 NORTH CENTRAL
PHOENIX, ARIZONA 85012-2976
TELEPHONE [602] 264-2571

DONALD D. MEYERS
THOMAS E. LORDAN
—
A. PAUL BLUNT
CHARLES W. LOTZAR
DONALD L. MEYERS

June 26, 1986

Nyal Niemuth
Arizona Dept. of Mineral Resources
Mineral Building
Fairgrounds
Phoenix, AZ 85007

Dear Mr. Niemuth:

As we discussed, this office represents a Mr. Dan Hanian.

Enclosed for filing with your office please find a copy of the following document: Notice of Claim to Production Payments by Dan Hanian.

The original of this document has been forwarded to the office of the Yavapai County, Arizona, Recorder, for recording.

You indicated in our telephone conversation that I could also send this copy to the Arizona Department of Mineral Resources for filing.

If you have any questions, please do not hesitate to call me.

Thank you for your attention to this matter.

Very truly yours,

Thomas E. Lordan

Thomas E. Lordan

Enclosure

P.S. Please acknowledge receipt. ^{Done} *NJM 16/30/86*

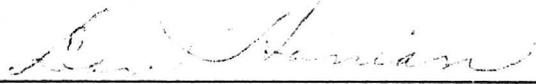
RECEIVED
JUN 27 1986
DEPT. OF MINES &
MINERAL RESOURCES

When recorded, mail to:

Thomas E. Lordan, Esq.
Meyers & Lordan
Suite 2110
3003 North Central Avenue
Phoenix, AZ 85012

NOTICE OF CLAIM TO PRODUCTION PAYMENTS

NOTICE IS HEREBY GIVEN that in the event Metex, Ltd., an Arizona corporation ("Metex"), mines and markets mineral substances from that certain real property described in Exhibits A and B, attached hereto and incorporated herein by this reference, Dan Hanian, an individual, may claim as production payments a certain percentage of the "Net Returns" received by Metex from the sale or other disposition of such mineral substances, all pursuant to that certain agreement, a copy of the original of which is attached hereto as Exhibit C and incorporated herein by this reference. (Attachment A to Exhibit C hereto is a re-typed copy of that certain agreement, a copy of the original of which is attached hereto as Exhibit D and incorporated herein by this reference.)



Dan Hanian

STATE OF ARIZONA)
) ss
County of Maricopa)

this 25th The foregoing instrument was acknowledged before me day of June, 1986, by Dan Hanian.



Notary Public

My Commission Expires:
My Commission Expires Jun. 17, 1988

EXHIBIT A

LEGAL DESCRIPTION

A Tract of land lying in portions of the South Half of the South Half of Section 15, the Southeast Quarter of the Southeast Quarter of Section 16, and the Northeast Quarter of the Northwest Quarter of Section 22, and lying in portions of the Eastern Copper, Sure Thing, Bonanza, and Copper Platter Mining Claims, U.S. Mineral Survey No. 1714, all in Township 13 North, Range 1 East, Gila and Salt River Base and Meridian, Yavapai County, Arizona, being more particularly described as follows:

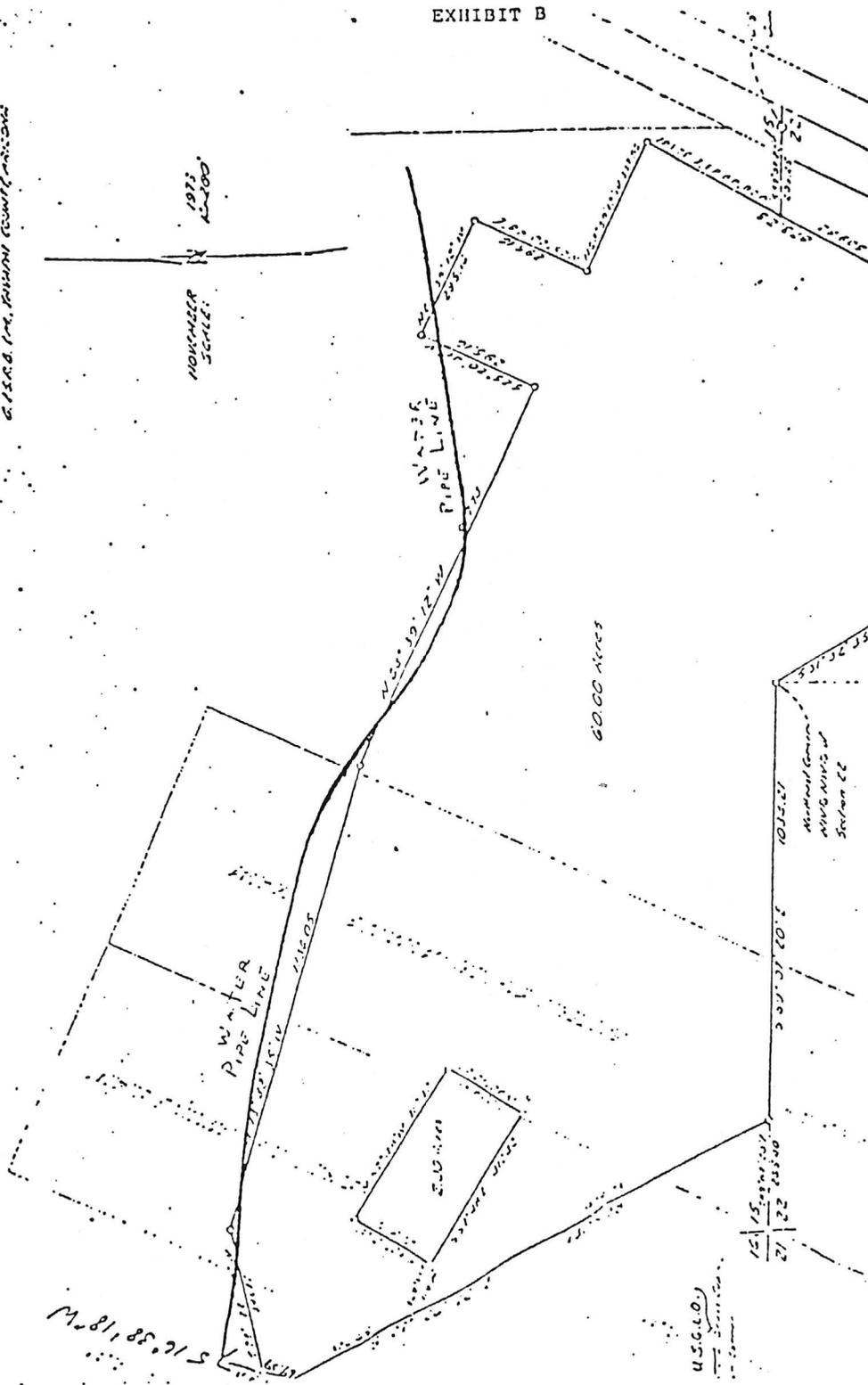
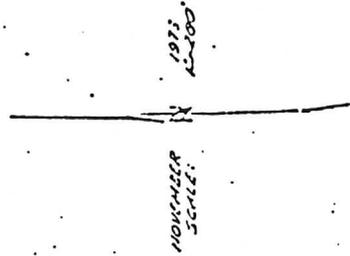
Beginning at a point on the South line of said Section 15, from which the U.S. General Land Office brass cap designating the Southwest corner of said Section 15 bears North 89° 07' 20" West, 265.40 feet; thence South 89° 07' 20" East along the South line of said Section 15, 1034.21 feet to the Southeast corner of the Southwest Quarter of the Southwest Quarter of said Section 15; thence South 31° 32' 35" East, 480.23 feet; thence North 85° 47' 25" East, 230.10 feet; thence South 78° 57' 20" East, 370.43 feet; thence North 28° 49' 43" East, 509.82 feet to the South line of said Section 15, from which the U.S. General Land Office brass cap designating the Quarter corner common to said Sections 15 and 22 bears South 89° 07' 20" East, 209.25 feet; thence continuing North 28° 49' 43" East, 363.41 feet; thence North 64° 39' 12" West, 337.96 feet; thence North 25° 20' 48" East, 295.16 feet; thence North 64° 39' 12" West, 295.16 feet; thence South 25° 20' 48" West, 295.16 feet; thence North 64° 39' 12" West, 977.74 feet; thence North 73° 42' 35" West, 1136.05 feet; thence South 78° 22' 35" West, 341.77 feet; thence South 16° 38' 18" West, 69.59 feet; thence South 27° 26' 12" East, 1305.38 feet to the Point of Beginning.

EXCEPTING THEREFROM the following described parcel:

Beginning at the Southwest corner of said Section 15; thence South 89° 07' 20" East along the South line of said Section 15, 265.40 feet; thence North 27° 26' 12" West, 978.73 feet; thence South 69° 38' East, 119.04 feet to the TRUE POINT OF BEGINNING; thence South 57° 48' East, 417.42 feet; thence North 32° 12' East, 208.71 feet; thence North 57° 48' West, 417.42 feet; thence South 32° 12' West, 208.71 feet to the TRUE POINT OF BEGINNING.

EXHIBIT B

G.I.R.O. Co., FISHAW COUNTY, MICHIGAN



GT EQUITIES

June 25, 1985

Mr. Dan Hanian
7841 E. Pleasant Run
Scottsdale, Arizona 85258

Dear Dan:

This letter will confirm our understanding regarding the pass-through payment from G T Equities to you with respect to monies received by G T Equities from Metex, Ltd.

If G T Equities is successful, as described in Attachment A, you would be paid, upon receipt from Metex, Ltd. the following fees as it relates to paragraphs A. and B. in Attachment A.

- A. You would be paid an amount equal to three percent (3%) of the face amount of the loan made or committed to the Iron King project.
- B. You would receive a like amount of two percent (2%) as described under B. of Attachment A.

In the event G T Equities is unable to perform the pass-through payment to Dan Hanian, Metex, Ltd. will make payment to Dan Hanian as described herein.

If the matters set forth herein meet with your approval and the approval of Heinz Brungs to whom a copy is given, I would appreciate it if you would both sign this letter and two (2) copies and return to me at which time it will become a binding agreement for the matters set forth herein.

Sincerely,

G T EQUITIES

By


George W. Taylor, President

EXHIBIT C

1500 East Bethany Home Road • Suite 130 • Phoenix Arizona 85014 (602) 274-1466

Mr. Dan Hanian
June 25, 1985
Page Two

The terms and conditions of the agreement set forth above are satisfactory and subject to my time availability, as well as the interests of persons or entities with whom may the undersigned have contact, we will proceed accordingly.

Dated this ____ day of June, 1985.

By Heinz Brungs
Heinz Brungs

By Dan Hanian
Dan Hanian

GWT/pc

ATTACHMENT A

Mr. George W. Taylor, President
G T Equities, Inc.
1500 E. Bethany Home Road, Suite 130
Phoenix, Arizona 85014

Dear Mr. Taylor:

June 7, 1985

This letter will confirm our conversations regarding the engagement of your firm as a consultant with respect to the Iron King Mine Tailings owned by Metex, Ltd. Metex and the undersigned, Heinz Brungs, principal of Metex, have agreed to retain G T Equities as a consultant in connection with the Iron King Mine Tailings Project. Specifically, G T agrees to consult with us in our efforts to locate and arrive at an agreement with one or more individuals, entities or financial institutions for the purposes of financing the Iron King Mine Project. It is our understanding that you will consult with us in our attempt to locate an institutional loan for the construction and operation of various projects regarding the tailings including, without limitation, a fertilizer processing project. It is further understood that you will not be deemed to be a securities broker or dealer in your efforts on our behalf but that you will act as an independent contractor consultant assisting us in our endeavors.

If we are successful in consummating an agreement with respect to any of the transactions described below this agreement is in force for the production life of Iron King Mine Tailings Pond of approximately 4 million tons, from the date hereof, for whatever reason or from whatever source or if you produce a commitment from a party you will be paid the following consulting fees:

- A. You Would Be Paid - an amount equal to ten percent (10%) of the face amount of the loan made or committed to the Iron King Project;
- B. Production Payment - In the event Metex mines and markets mineral substances from the Property, Metex shall pay to G T Equities a production payment of seven percent (7%) of the "Net Returns" received by Metex from the sale or other disposition of such mineral substances. The term "Net Returns" shall mean the total dollar value received from the purchaser of mineral substances, less:

ATTACHMENT A

Mr. George W. Taylor
June 7, 1985
Page Two

In the case of sale of unprocessed mineral substances, concentrates or bullion: (a) any weighing, sampling, penalty, processing or other charges assessed by the purchaser; (b) selling charges; and (c) the cost of transportation from the Property of the purchaser.

In the event ores or concentrates are processed at a smelter or other facility owned, operated or controlled by Metex or treated on a toll basis for Metex, the selling price shall be computed in the above manner with deductions for all charges and items of cost equivalent to deductions in an arms-length transaction. Production payments made to G T Equities under this paragraph shall be due and payable within thirty (30) days after the end of each calendar quarter for those mineral substances sold and a settlement sheet received during the applicable calendar quarter. All production payment shall be accompanied by the settlement sheets or a similar statement showing the basis upon which the payment was computed.

The computations above shall be made using generally accepted accounting principles and if at any time you disagree with our calculations, you may cause an audit of our books and records to be made. In the event that the royalties or sums actually paid vary from the amount found by your auditors by at least two percent (2%), the cost of that audit will be paid by us.

We understand that your commitment to consult with us in the financing, operation and or structuring of a joint venture for the Iron King Project is not an assurance by you that such financing, operation or joint venture is available. We further understand that you may terminate your obligations hereunder upon written notice to us at which time neither party shall have further obligations to the other hereunder.

We recognize that there may be certain financial institutions, companies or persons that you may contact on or behalf or with which we may want to discuss the Iron King Project before there is a final decision made with respect to the development and mining of the Project.

ATTACHMENT A

Mr. George W. Taylor
June 7, 1985
Page Three

If the matters set forth herein meet with your approval, I would appreciate it if you would sign a copy of this letter and return it to me at which time it will become a binding agreement for the matters set forth herein.

Very truly yours,

METEX, LTD.

By _____
Heinz Brungs, President

Heinz Brungs, Individually

The terms and conditions of the agreement set forth above are satisfactory and subject to my time availability, as well as the interests of persons or entities with whom may the undersigned have contact, we will proceed accordingly.

Dated this ___ day of June, 1985.

G T EQUITIES, INC.

By _____
George W. Taylor, President

METEX LTD.

METAL EXPLORATION

7496 EAST PLEASANT RUN
SCOTTSDALE 85258 AZ
PHONE (602) 9919804

Mr. George W. Taylor, President
G T Equities, Inc.
1500 E. Bethany Home Road, Suite 130
Phoenix, Arizona 85014

Dear Mr. Taylor:

DATE: June 7, 1985

This letter will confirm our conversations regarding the engagement of your firm as a consultant with respect to the Iron King Mine Tailings owned by Metex, Ltd. Metex and the undersigned, Heinz Brungs, principal of Metex, have agreed to retain G T Equities as a consultant in connection with the Iron King Mine Tailings Project. Specifically, G T agrees to consult with us in our efforts to locate and arrive at an agreement with one or more individuals, entities or financial institutions for the purposes of financing the Iron King Mine Project. It is our understanding that you will consult with us in our attempt to locate an institutional loan for the construction and operation of various projects regarding the tailings including, without limitation, a fertilizer processing project. It is further understood that you will not be deemed to be a securities broker or dealer in your efforts on our behalf but that you will act as an independent contractor consultant assisting us in our endeavors.

If we are successful in consummating an agreement with respect to any of the transactions described below this agreement is in force for the production life of Iron King Mine Tailings Pond of approximately 4 million tons, from the date hereof, for whatever reason or from whatever source or if you produce a commitment from a party you will be paid the following consulting fees:

- A. You Would Be Paid - an amount equal to ten percent (10%) of the face amount of the loan made or committed to the Iron King Project;
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EXHIBIT D

Mr. George W. Taylor
June 7, 1985
Page Two

In the case of sale of unprocessed mineral substances, concentrates or bullion: (a) any weighing, sampling, penalty, processing or other charges assessed by the purchaser; (b) selling charges; and (c) the cost of transportation from the Property of the purchaser.

In the event ores or concentrates are processed at a smelter or other facility owned, operated or controlled by Metex or treated on a toll basis for Metex, the selling price shall be computed in the above manner with deductions for all charges and items of cost equivalent to deductions in an arms-length transaction. Production payments made to G T Equities under this paragraph shall be due and payable within thirty (30) days after the end of each calendar quarter for those mineral substances sold and a settlement sheet received during the applicable calendar quarter. All production payment shall be accompanied by the settlement sheets or a similar statement showing the basis upon which the payment was computed.

The computations above shall be made using generally accepted accounting principles and if at any time you disagree with our calculations, you may cause an audit of our books and records to be made. In the event that the royalties or sums actually paid vary from the amount found by your auditors by at least two percent (2%), the cost of that audit will be paid by us.

We understand that your commitment to consult with us in the financing, operation and or structuring of a joint venture for the Iron King Project is not an assurance by you that such financing, operation or joint venture is available. We further understand that you may terminate your obligations hereunder upon written notice to us at which time neither party shall have further obligations to the other hereunder.

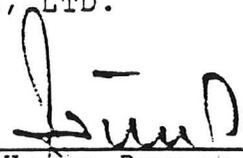
We recognize that there may be certain financial institutions, companies or persons that you may contact on or behalf or with which we may want to discuss the Iron King Project before there is a final decision made with respect to the development and mining of the Project.

Mr. George W. Taylor
June 7, 1985
Page Three

If the matters set forth herein meet with your approval, I would appreciate it if you would sign a copy of this letter and return it to me at which time it will become a binding agreement for the matters set forth herein.

Very truly yours,

METEX, LTD.

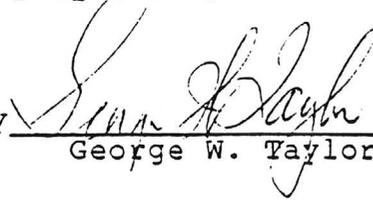
By 
Heinz Brungs, President


Heinz Brungs, Individually

The terms and conditions of the agreement set forth above are satisfactory and subject to my time availability, as well as the interests of persons or entities with whom may the undersigned have contact, we will proceed accordingly.

Dated this 18 day of June, 1985.

G T EQUITIES, INC.

By 
George W. Taylor, President

DATE: March 20, 1981

FROM: Jack Pierce

COPY TO: file

SUBJECT: IRON KING MILL TAILINGS--Humboldt, Az.

I had a long visit on 3/18 with Heinz Brungs who heads up Metex LTD from an office in Scottsdale at 7625 E. Camelback Rd., Suite 141B phone 949-5338.

He is the ram-rod of the German group which has spent \$1.2 million over the past 3 years on this project and which has exercised its option to purchase the tailings from Art Still. It has leased the surface and buildings of the Iron King Mine.

According to Brungs they intend to start construction of a 3000 TPD plant this Fall and have committed \$12 million to the project to treat the tailings and prepare to go underground for the protore (now ore, ?) which Shattuck Denn had to leave. There are some 750,000 tons developed that was just below our cut-off in the late 1960's and likely an additional 1 to 2 million tons that may make the grade for viability at modern gold-silver price levels.

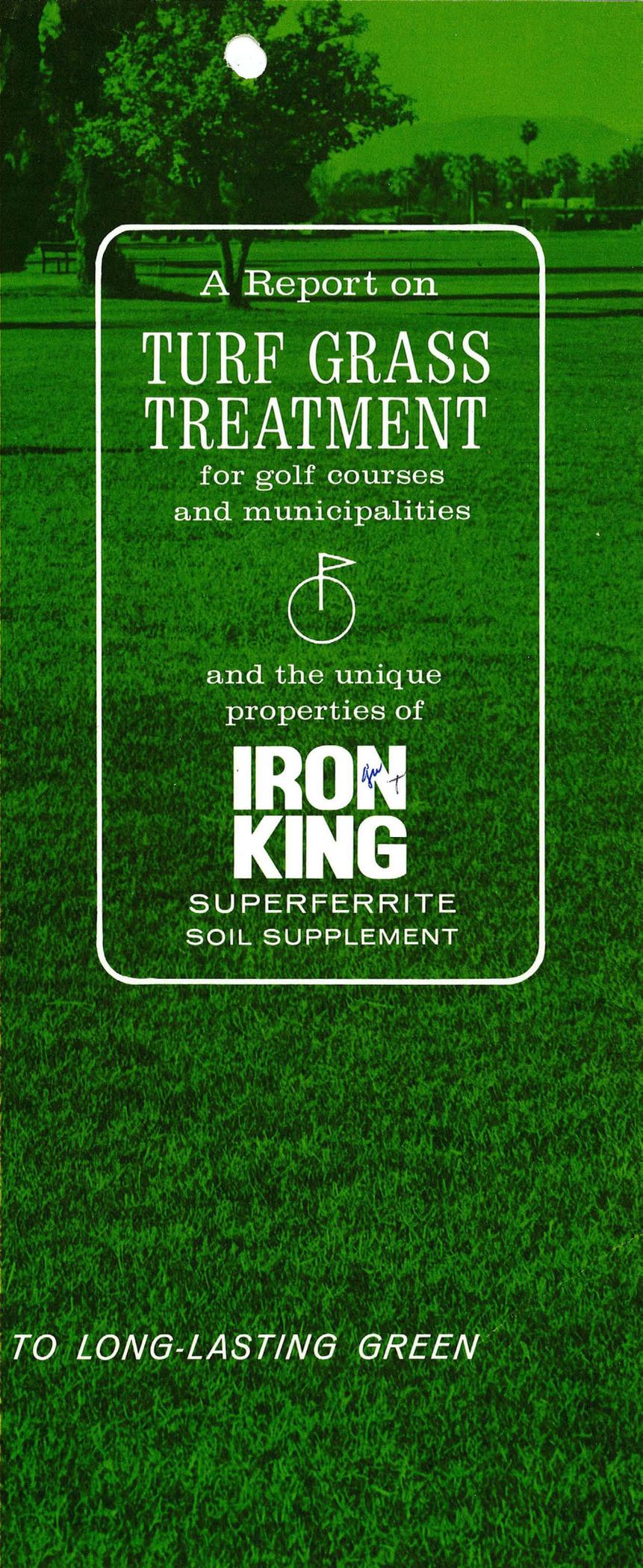
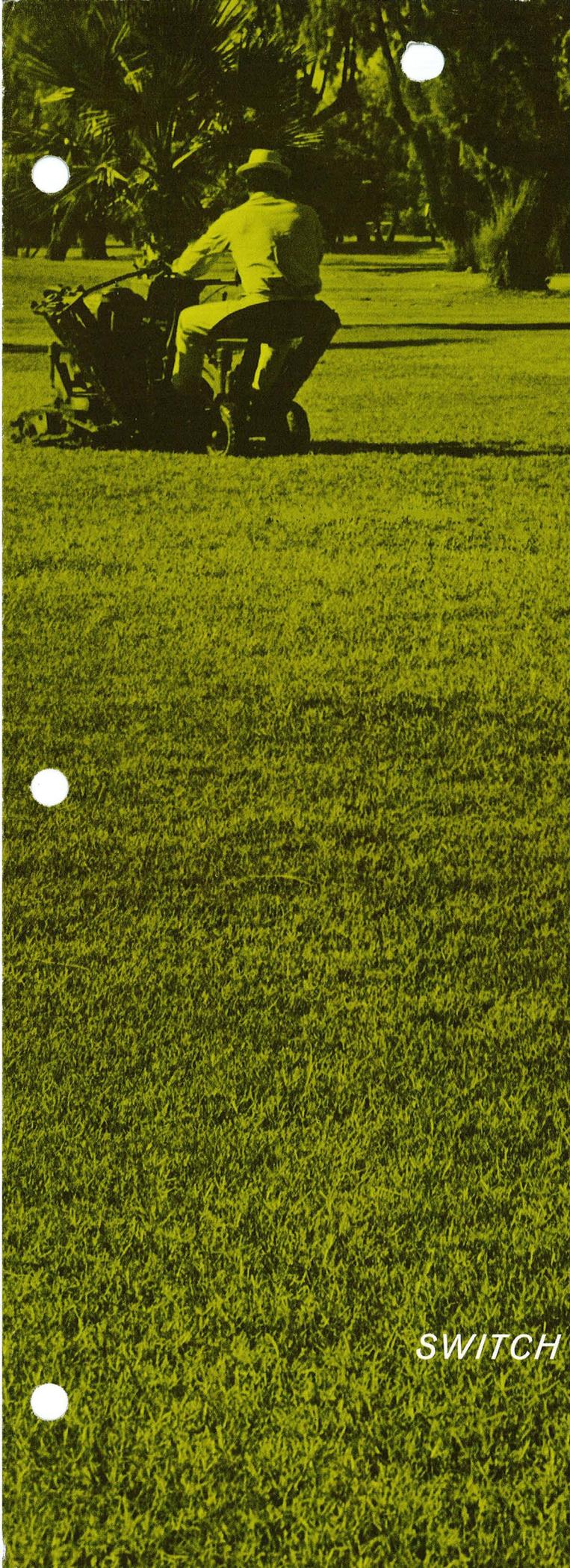
This development and operation will, I understand, be a joint venture with Lurgi Metallgesellschaft, which firm will provide the major portion of the capital.

I do not understand the flowsheet Brungs outlined to me. They will wash the tailings to remove soluble salts, fine grind, cyanide with CCD and carbon absorption recovery of 42.5% of the gold (best recovery achieved to date), then they will make a zinc conc. and a pyrite conc. which they say are marketable.

Brungs is interested in the soil supplement and fertilizer mixing operation still in progress there. He would use for his trace element feed-stock the final tailings from the above plant.

He talks about using me as a consultant after his return from a month in Germany. We will initially research my file which is voluminous on the subject.

I hope this is not all "bubble" and there will be some test and engineering work for MS, even though Lurgi is involved.



A Report on
**TURF GRASS
TREATMENT**

for golf courses
and municipalities



and the unique
properties of

IRON
King
KING

SUPERFERRITE
SOIL SUPPLEMENT

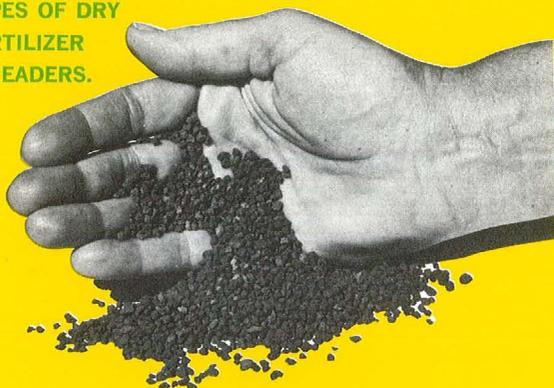
SWITCH TO LONG-LASTING GREEN

WHAT IS SUPERFERRITE?

Superferrite is a soil supplement designed to furnish the necessary trace elements essential to healthy plant growth. These elements come from naturally occurring minerals which have been activated by an exclusive process, so that both **quick response** and **long-lasting** results are obtained. The quick response results because approximately 10% is soluble in water, as an immediate stimulant to plants. The remainder contains activated polysulfides which oxidize in the soil environment, and provide a continuing balanced source of nourishment as required by the plant.

Water-soluble products, such as chelates or ferrous sulfate, soon lose their availability because of soil alkali or water leaching. Superferrite particles, on the other hand, remain in the root zone. Because they are activated polysulfides, the particles release nutrients over a long period of time. And, due to the acidic nature of Superferrite, it will actually improve water penetration where this is a problem.

**DUST-FREE SUPERFERRITE PELLETS SPREAD
EVENLY WITHOUT LOSS IN ALL
TYPES OF DRY
FERTILIZER
SPREADERS.**



GUARANTEED ANALYSIS

Nitrogen (Ammonic)	(as N)	1.00%
Iron	(as Fe)	12.00%
Zinc	(as Zn)	1.00%
Total Combined Sulfur	(as S)	17.00%
Sulfate Sulfur	(as S)	7.00%
Calcium	(as Ca)	3.00%
Magnesium	(as Mg)	1.50%
Cobalt	(as Co)	0.004%
Copper	(as Cu)	0.06%
Manganese	(as Mn)	0.08%
Molybdenum	(as Mo)	0.001%

Derived from Natural Minerals which have been activated by processing with sulfuric acid, heat and anhydrous ammonia*

*Patent Applied For

IRON KING SUPERFERRITE

**ADDS NECESSARY TRACE
ELEMENTS TO SOILS AND
MAINTAINS PROPER
NUTRIENT BALANCE FOR
LONG-TERM GREEN GROWTH
IN TURF GRASSES**

Turf grass, like other living organisms, is dependent upon certain nutrients for healthy growth. When proper nourishment is lacking, plants often falter, sometimes die. A deficiency of essential plant food elements generally shows up in poor color, or in extreme cases, yellowing . . . shallow root structure, a lack of resistance to fight back against minor disease and insects. The over-all lack of vitality is easily apparent.

Deserves priority

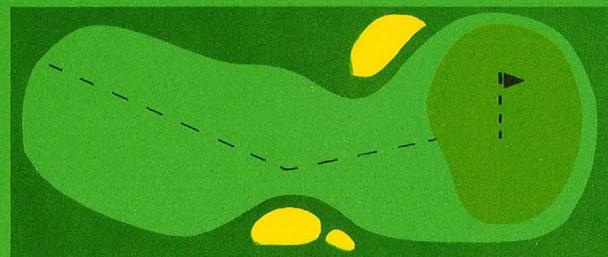
Due to the constant demand of plant roots for balanced nourishment, it is obvious that a program of soil conditioning through **replacement of necessary elements** deserves priority.

First aid for high pH soils

Studies show that the level of available nutrients in soils varies from area to area — as do the soils themselves. Acid, saline and alkali soils each presents a different problem due to the nature of their chemistry. The symbol pH is used to express acidity or alkalinity on a scale of 0 to 14, with pH7 considered neutral. A pH value below 7 indicates acidity, while above 7 indicates alkalinity, with the degree of alkalinity increasing as the number becomes larger. Soils with a high pH may have a reduced availability of iron, manganese, phosphorus, zinc and copper. A product such as IRON KING Superferrite not only restores these and other elements directly to the soil — but creates a very favorable environment for the release of hitherto unavailable soil elements. Example: The total combined sulfur in IRON KING Superferrite releases acid which tends to dissolve salts precipitated from irrigation water . . . helps replace excess adsorbed sodium, by introducing calcium . . . also makes existing phosphorus in the soil more available. The presence of nitrogen in Superferrite provides a compatible environment for the action of soil bacteria which are important to the continuing release of trace elements by bacterial oxidation.

The many unique characteristics of IRON KING Superferrite are apparent. It not only adds important iron and zinc in quickly soluble form — but provides a proper balance of trace elements required for plant growth over a long period of time.

Superferrite is manufactured primarily for supplementing neutral or alkaline soils. The product will produce successful results in acid soils if there is a need for trace elements.



WHY NITROGEN IN SUPERFERRITE

Nitrogen is one of the major plant nutrients. This, however, is not why it is chemically combined into Superferrite during manufacture. Although the nitrogen in Superferrite is fully available, there are several other reasons for its presence. These are:

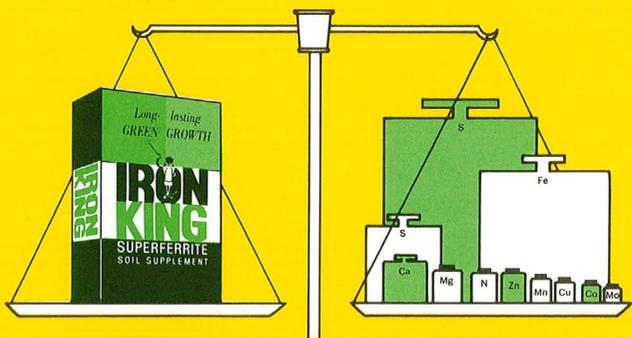
1. It provides a growth stimulant chemically combined with the trace elements so they are most effectively taken up by the root system.
2. The nitrogen acts as a trigger, or catalyst. It provides a favorable environment for soil bacteria which react with the various activated polysulfides. This assures oxidation and continuing release of trace elements.
3. The reaction of ammonia (nitrogen) with various Superferrite components during manufacture helps to harden and strengthen the finished pellets. This is an important reason why Superferrite reaches users in a dust-free condition.

SUPERFERRITE BALANCES SOIL

Due to intensive cultivation of turf grass, the major plant nutrients (nitrogen, phosphate and potassium) are consumed and it is common practice to replace them with chemical fertilizers, particularly nitrogen.

Although not required in as large an amount as nitrogen, various other elements are just as essential to healthy plant growth. These include iron, zinc, sulfur, calcium, magnesium, cobalt, copper, manganese and molybdenum. Studies show that these elements become depleted from the soil — and this process is hastened by the use of high-analysis fertilizers.

THE BALANCED SLOW-RELEASE PLANT FOOD



Adds valuable iron and zinc

Authorities say iron and zinc should no longer be called "minor plant nutrients," at least with regard to their importance in plant nutrition and production. They are as important (or as indispensable) to plant growth as nitrogen — although required in much smaller amounts. Superferrite supplies iron, zinc and other trace elements in a SAFE way. Too much copper, for example, may cause the same symptoms as a deficiency of iron. The need for proper nutrient balance and gradual release is very important.

Promotes healthy color and root structure

Since most of the trace minerals in Superferrite are released by the action of the soil itself, the possibility of upsetting the trace element balance by the addition of too large an amount of water-soluble material (as in chelates) does not exist. Wide-spread use of Superferrite throughout the Southwest indicates

that it offers optimum healthy color and root structure to turf grass — and the effect of soil treatment is long lasting.

BASIC ELEMENTS PLANTS NEED FOR HEALTHY GROWTH		AVAILABLE IN SUPERFERRITE
CARBON	} Elements taken in through air and water	
HYDROGEN		
OXYGEN		
NITROGEN	} Major nutrients	*
PHOSPHORUS		
POTASSIUM		
IRON	} Micro-nutrients (or trace elements)	*
ZINC		*
CALCIUM		*
MAGNESIUM		*
SULFUR		*
COPPER		*
MANGANESE		*
MOLYBDENUM		*
CHLORINE**		
BORON**		

**Generally available in sufficient quantities in Southwest soils.

How much Superferrite to use?

In most cases the application of 20 to 25 pounds per 1000 square feet produces good results. In some areas such as on golf tees and greens twice this amount may be advantageous. In general, the color of the turf should be the guide.

It has been found that at many locations, Superferrite has been able to maintain good color . . . **without the excessive growth** obtained when nitrogen applications alone are used to restore color.

The fertilizing program may be reduced at least by the amount of nitrogen in Superferrite (1/2 pound N if two 25-pounds-per-1000-square-foot applications are made each year). Further reductions are often possible because with the adequate trace mineral content of Superferrite the turf can better use existing soil nitrogen to produce chlorophyll and stronger color.

A regular program of aeration, up to three or four times a year, will assist in producing a superior turf grass. This is an excellent time to apply Superferrite alone, or in a top dressing. In those areas where aeration is not practiced, excellent results may also be obtained by spreading Superferrite on the ground surface.

Another method of improving turf grass is by means of verticutting, or cutting out some of the runners and removing thatch. Application of Superferrite after this treatment will assure better penetration of nutrients to the root zone.



APPLICATION ON GOLF COURSES

ESTABLISHED GREENS

1. Spike or aerify for best results.
2. Mix top dressing—adding 35 to 50 pounds of Superferrite for each 1000 square feet to be dressed.
3. Brush the mixture into the holes.
4. Water it twice—by hand, then by sprinkler.
5. Good results can be obtained by surface spreading if preferred. On watering, Superferrite's dust-free pellets disintegrate and disappear into the root zone, away from the playing surface.

NEW GREENS

Apply Superferrite at the rate of 100 pounds per 1000 square feet and work into the top 2 inches of soil. This is equivalent to 16 pounds of Superferrite per cubic yard of soil. No watering is necessary until after planting.

FAIRWAYS

In general, an application of 600 to 800 pounds per acre is recommended. It is important that fairways be watered soon after Superferrite application to trigger the release of nitrogen and polysulfides.

TEES

Tees generally recover quickest with application of top dressing/ Superferrite mix. Follow procedures outlined for greens. If tees are to be re-sodded, rake 35 to 50 pounds of Superferrite per 1000 square feet into subsoil so nutrients will be made available immediately to root zone. Water thoroughly after surface application.

PARKS AND ATHLETIC FIELDS

The effect of Superferrite applications is especially evident in large areas where heavy use places a burden on the turf. Superferrite stimulates root growth, strengthens plant health, for faster green-up.

Large areas such as parks, football and baseball fields respond well with the application of 20 to 25 pounds of Superferrite per 1000 square feet.

Shrubs, trees and flower beds

Superferrite is widely used not only for turf grass but for maintaining a healthy green condition in ornamental trees, shrubs, flower beds and other municipal plantings.

A simple application of Superferrite not only provides immediate results, but keeps the soil balanced so the nutritional action extends from season to season.

Trees: Use 1 to 2 pounds for each inch of tree trunk diameter, depending on severity of mineral deficiency. Work Superferrite into soil 2 feet from trunk, out to drip line.

Shrubbery: Use 1 to 3 pounds of Superferrite, depending on size. Work Superferrite into soil which is to be used to refill hole when planting. For established shrubs, cultivate Superferrite into soil, starting a few inches from trunk and working out to drip line.

Flowers: Use 5 pounds per 100 square feet. Cultivate into the soil thoroughly. Use as side dressing, or add to soil and mix well before planting seed.

Available
in 80-lb.
bags



FOR FURTHER
INFORMATION,
WRITE:

SHATTUCK DENN COMPANY

Sales Agent

P.O. Box 1492 • Prescott, Arizona