



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources 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.

1/10/56

Omega Mines Inc.
J. W. Martin Las Vegas, Nev.
W. H. " in charge of property

Orvil Head Mining District T 5 N, R 11 W
of Tunson T 7 & 8 N R 11, 12, 13 E

Reports by Harrison Schmidt
& P. H. Lund. (col)

Claim deposit on 40,000 acres
part state land about 80%
Fe as Magnetite and
that ore body contains
200,000,000 lbs of 68% Fe after
concentrating.

Have contacted with Japanese
concern for \$60,000,000.
above furnished by J. W. Martin
of phone from Las Vegas, Nev.

Will send copies of reports
to Dept.

Omega is private corp and
not raising capital re Martin.

R

Information from MINE INSPECTOR'S OFFICE - August 15, 1957

OMEGA MINE PINAL COUNTY (So.) 6-12-57

IRON & MAGNETITE

GARPAC, INC., 112 N. Central Ave., Phoenix, Arizona

Mgr. - P. Foster " " " "

Sutp. - G. R. Davis, 1927 E. 9th St., Tucson, Ariz.

Stripping contracted - 5 men

L. A. S.

Phoenix, Arizona
February 28, 1957

OMEGA MINES INC

Pace Foster and Ray Burgi of Garpac Inc called at 2 P.M.

Following are notes of Mr. Foster's statements:

Garpac has some of Omega property under lease. Have spent \$100,000 in the past year - considerable drilling, bulldozed pits - holes to 90' depth. Much metallurgical work and market research. Put in pilot plant.

Plan to put in plant to deliver 20,000 tons of concentrates per month and hoping to get operating by May 1st. Will be "sand and gravel" operation with separation unit at end, - conveyor screens, magnetic scalper to finishing Stearns separator to take magnetite from ilmenite. Will stockpile ilmenite and ship raw magnetite concentrate. Know they can make concentrate and sell it. As soon as they can they will work up to sintering and from there to pig iron. A separate unit to handle the ilmenite would be expensive (and how!)

Claim several million tons of commercial quality. Basing figures on 7% Fe by volume as average grade. Want to block out ore in 2 sections to either 12' or 24' depth.

Wanted recommendation of engineer. Gave them engineer ads in Pay Dirt - February issue. Said they did exploration work for Omega last summer.

Garpac Central office is Mayer-Heard Building, Phoenix. Have small offices in Nevada and Oregon. George Hill is their attorney.

For their work for Omega they are to get 25¢ per ton for ore removed from 3840 acres of Omega land which is separate from their leasedland but adjoins it. Acheson of L. A. looking over this 3840 acres.

Garpac's principal previous operations in Sierra County, New Mexico

B. H. Martin, Lewishon engineer-geologist is consultant.

F. P. Knight

I made no comment whatever about the property other than to say that Harrison Schmitt was a good man when I looked at his report.

H

Omega Mines, Inc.

2419 SOUTH FIFTH - SUITE 11
LAS VEGAS, NEVADA

Phone DU 2-3998
2-6364

September 18, 1956



State of Arizona
Department of Metals and Resources
Phoenix, Arizona

Attention: Mr. Manning

Dear Mr. Manning:

Enclosed is a set of reports and analyses on the property of Omega Mines, Inc.

You will notice that Mr. B. H. Martin and Dr. Harrison Schmitt are basing their analyses and their computations as to tonnage blocked on 5% magnetite to a depth of 21 to 24 feet. Enclosed you will find Arizona Testing Laboratory's analysis, in conjunction with that of Joe B. Linn of Titanium Metals Corporation of America, in Henderson, Nevada; and also the additional holes drilled by the Long Drilling Company of Phoenix, Arizona, with the depths and locations of these holes; which more than substantiate the declared 200,000,000 tons.

Very truly yours,

OMEGA MINES, INC.

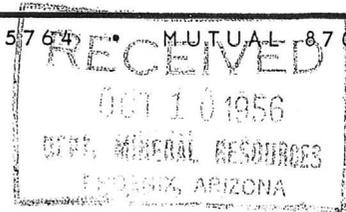
A handwritten signature in cursive script, appearing to read "J. W. Martin".

J. W. Martin
President

JWM:rb

SALDANA, LEVY & ASSOCIATES
ADVERTISING & PUBLICITY
1127 WILSHIRE BOULEVARD
LOS ANGELES 17, CALIFORNIA

MUTUAL 5764 • MUTUAL 8708



October 9, 1956

Mr. Roger Manning
Arizona Department of Mining Resources
Phoenix, Arizona

Dear Mr. Manning:

This letter concerns our client Omega Mines, Inc., and, more specifically, a release sent out from this office for release Wednesday, Sept. 19.

Mr. John Martin, president of Omega, has called to our attention certain information contained in the story not based on fact. For example: Paragraph two of the release states: the mine is located "45 miles north-east of Tucson. This should have read "north-west." In paragraph four: "firms certified the iron content at a phenomenal 60% to 68% FE." This should have read: "60% to 68% after separation."

These two inaccuracies, we have been informed, have caused considerable confusion and misunderstanding. They were made innocently enough by the writer whose knowledge of mining, to say the least, is most limited. Therefore, just to set the record straight, this office would like to assume full responsibility for these errors.

Our position now is that we would like to get the matter completely straight. We believe that Omega Mines, Inc. can stand on its own.

We feel, after a personal visit to the property, that the story of Omega Mines is certainly newsworthy and of keen interest to everyone interested in iron ore, particularly residents of Arizona who will benefit the most from a successful operation of this deposit.

The position of officials of Omega is that the facts speak for themselves. Geologists, mining engineers, etc., all persons of high repute in their profession, have made reports on work done at Omega. We share the feeling of Omega that the findings have been of major importance.

It is our intention to contact members of Associated Press, United Press and International News in Phoenix, to correct whatever misunderstandings have occurred. These people undoubtedly will again check with your office. We hope that you will be good enough to appraise objectively for them the reports now in your possession.

Roger Manning - Page 2.

Enclosed you will find a tearsheet from the Los Angeles Herald Express. Mr. Gentle, a veteran newspaperman, respected for his unbiased and objective type of reporting, was one of the several newspapermen who recently visited the property with us, at which time we were also accompanied by Mr. Stanley Secrist.

When my partner, Mr. Henry Levy, and myself are in Phoenix, which we hope will be the early part of next week, may we have the pleasure of calling at your office---just to say 'hello?'

Sincerely,

Joseph Saldana
JOSEPH SALDANA
Saldana, Levy & Associates

Organic Phos. Dep. (P)

12-29-85
Arizona Reserve
Mining & Processing
Co. Inc.

Mr. Fred Patten
U.S. Dept. of the Interior
Bureau of Land Management
Phos. Reserve Area

RECEIVED
BLM, PHOENIX DIST. OFF.
PHOENIX, ARIZONA
JAN 3 1986
AM PM
7 8 9 10 11 12 1 2 3 4 5 6

Dear Mr. Patten

I enjoyed talking to you on the property last week. We have received the Dept of Energy Contract for the next 3 years to furnish magnetite for this project at Mercury Nevada. at the rate of 5000 tons per year.

It is our intention to remove this material from the NE⁴ of the NE⁴ of NE⁴ of the SW⁴ of Section 11 - Twp - 850. Rge 11. East. Pinal County Ariz.

We will process the ore by screens & magnetite separation to a dept of 25' then reclaim the area by returning the tails to the pit and reseeding grass to pit area -

I have spoke to Harvey Smith to furnish a registered survey of pit and completion of our intention to mine for your approval.

We will comply with all your Regulations and am looking forward to input you may have to better comply with U.S. regulations. as soon as Harvey Smith has completed his map & pit layout will forward copy to your office

Sincerely yours
Jan Martin pres.

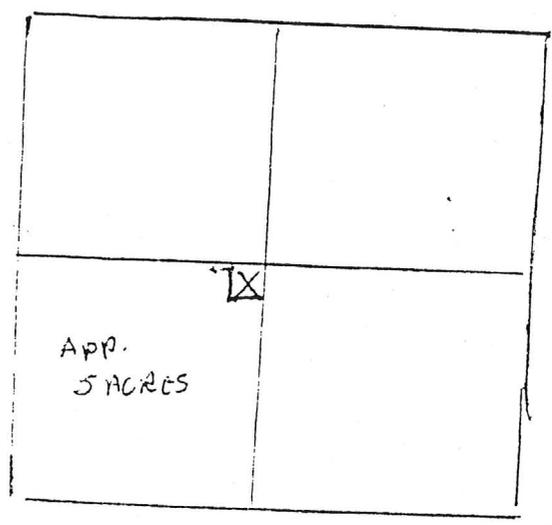
3832 PASA TIEMPO BL.
TUCSON, AZ. 85705

Rough sketch of plot
w/ Borli

2015 W. Deer Vad Road
Phoenix, Az. 85017

SEC. 11 - T12N - R8E - 11 EAST

PINAL COUNTY AZ



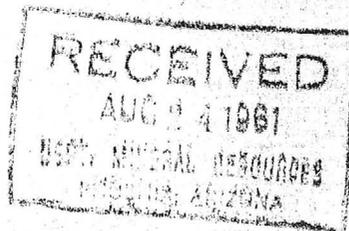
ASSOCIATES:
WILLIAM E. STRICKLAND
DARNEY R. ALTAMER

STRICKLAND AND ALTAMER
ATTORNEYS AT LAW
155 EAST ALAMEDA
TUCSON, ARIZONA

*see
mail*

TELEPHONE
MAIN 3-7871

August 23, 1961



Department of Mineral Resources
Mineral Building, Fairgrounds
Phoenix, Arizona

ATTENTION: Lewis A. Smith, Field Engineer

Re: Southwestern Iron and Steel Industries, Inc.

Dear Mr. Smith:

In answer to your letter of August 21, 1961, I would like to state that Southwestern is still the owner of the Omega' Placer Deposit. On the 8th day of March, 1961, Southwestern leased the above-mentioned deposit along with other mining properties to Pat H. Feeney and Marnel' Lindekugel, doing business as Feeney' and Associates. The State leases held in Southwestern's name were subleased to Feeney and Associates with permission by the State Land Department being acquired on the 2nd day of August, 1961. This Mining Lease and Agreement was recorded on the 27th day of March, 1961, in Pinal County; Arizona Docket 288, Pages 284 to 310.

Feeney and Associates formed an Arizona corporation, known as Arkota' Steel, Inc. and assigned all their right, title and mining interests into this corporation. At the present time this corporation is mining the properties and processing same at a reduction plant in Coolidge, Arizona.

In closing, I would like to state that if you require any further information or copies of documents, this office would be more than happy to supply the same.

Very truly yours,

William E. Strickland

William E. Strickland

WES:ajd



STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA



April 12, 1960

Mr. Lincoln A. Stewart, Mining Engineer
United States Bureau Mines,
Box 4097
Tucson, Arizona

Dear Lincoln:

IRON

There are four reported magnetite placers which have been investigated in the past two years, but so far no production has resulted.

The first is about half way between Florence and Oracle Junction. This is known as the Omega deposit, and is owned by Southwest Iron & Steel Industries, Inc., 1016 Valley National Bank Building, Tucson. This deposit was fairly extensively explored and considerable test work was done in a metallurgical way.

The second is the Bauer-Kelly deposit which lies 2 miles south of Hope, and is owned by Paul Bauer (now with the U.S.G.S. in Salt Lake City). It is under tentative option to Ralph R. Langley, 1156 South Highland Avenue, Los Angeles, Calif., who is conducting tests on the magnetite concentrates, with the view of separating titanium which is the only deleterious constituent now known to be associated. He is also studying the cost of making extrusion pellets. Preliminary results have been promising.

Both of these placers run between 3.5% and 5% magnetite.

Silas P. Silverman, 129 W. Maryland Ave., Phoenix, is preparing to mine a large tonnage of gold placer material in the Hassayampa Creek area. This will yield a fairly large tonnage of by-product magnetite. If he handles 1000 tons of placer per day, as now contemplated, he will recover about 75 tons of magnetite concentrates as a by-product. Should Langley develop the Bauer placer, the two men may combine their magnetite to make it easier for both to meet boatload tonnages of 10,000 to 12,000 tons. Of course all of this is still in the formulative stage.

Cactus
S.L. Kelly, 2426 N. (Cactus) St., Tucson, has a magnetite placer in the south part of the Big Horn Mountains, which is similar to the Bauer occurrence. He is also reported to control a large area near Redrock and south of Omega. This material is said to resemble the Omega material. Langley is interested in obtaining the Big Horn deposit should the Bauer deal prove out.

Mr. Lincoln A. Stewart

Page 2
April 12, 1960

There are small magnetite placers in several places in the Sierra Anchas coupled with in-place deposits but none of these places would come near approximating 35,000 acres. The rest of the iron ore occurrences are in the main in-place. These include the Swansea-Planet area (the New Planet having been drilled by the Bureau of Mines), Apache-Chedeski, Gillespie, Gipp Toot, and others in the Sierra Ancha (Apache-Chedeski drilled by the Bureau), Pikes Peak near Lake Pleasant (drilled by the Bureau). The Gillespie deposit was drilled by Cerro de Pasco who reportedly has moved off. Small gossan ~~like~~ deposits are reported at Black Diamond (5 miles SW of Pearce) and Quijotoa in the Papago Reservation. It is reported that C.F.I. is interested in leasing Chedeski Apache from the Apaches. Kaiser is reported to still have an option on Pikes Peak. The Iron Chancellor, south 17 miles from Seligman, is relatively high grade but small and was partly drilled by Rico Mining Co. during 1958-1959. Present ownership of the Iron Chancellor is being ironed out.

We have this far been unable to run down any information relative to Belmont Construction Co. of Vancouver, B.C., Canada. Should we run them down soon, we will let you know.

When is the barite paper coming out?

With kindest personal regards, I remain

Sincerely,

Lewis A. Smith

LEWIS A. SMITH
Field Engineer

LAS/H

FROM: SOVEREIGN INDUSTRIES, INC.

1015 Financial Center, Phoenix, Arizona - (602) 252-2591

Public Relations: John Gunn, New York - (212) 677-7148 679-7148

FOR IMMEDIATE RELEASE

PHOENIX, ARIZONA, May 10 -- Comprehensive independent geological tests now have established the fact that there are 65,400,000 long tons of exceptionally high-grade iron concentrate at open-pit mining depth in a seven-square-mile section of the extensive Black Mountain ore deposits controlled by Sovereign Industries, Inc., in Pinal County, Arizona, it was announced today.

Professional evaluation of the richness and extent of the Sovereign deposits was made by DeWitt Smith & Co. of New York, internationally-known mining geologists, on the basis of exhaustive field work and laboratory assays conducted at the mine site in February, March, and April, 1969, under the direct personal supervision of the late Dr. Lloyd M. Scofield, eminent geological consultant whose worldwide practice was centered in Duluth, Minn.

The Scofield-Smith findings, reported at the annual meeting of Sovereign Industries stockholders this morning in Phoenix, were computed by means of a qualitative analytical method which rejected all ore grades containing less than 3% magnetic concentrate. The average grade for the entire blocked ore body was established at 4.1%, and the ore reserves for the seven-square-mile sector under study, extending from the surface to a designated cut-off depth of 250 feet, were then calculated as 65,400,000 long, dry tons of 70% Fe concentrate.

Reserves of this quality are professionally described as "super-concentrate" -- i.e., ultra-high-purity iron concentrate, with major economic application to direct-reduction steel-making processes.

The Scofield-Smith study places Sovereign's Black Mountain reserves among the world's highest-grade iron-ore concentrates. By comparison, concentrate produced from hard rock, such as the Mesabi Range taconites, normally does not exceed an Fe rating of 64%.

In announcing the geological conclusions at today's meeting, C. M. Wood, chairman of the board and president of Sovereign Industries, emphasized that the professional research was

(more)

confined exclusively to the seven-square-mile test area, and to the upper 250-foot level of that area.

"The sampling method designed and supervised by Dr. Scofield consisted of using a Becker Drill to sample a grid of 34 drill holes, 250 feet deep, arranged on 130-acre intervals throughout the research zone," Mr. Wood said. "The samples thus obtained were then assayed in the laboratory under Dr. Scofield's direction and in the presence of representatives of an independent soil-mechanics consulting firm which he retained to serve as field and laboratory umpire. The data thus prepared was submitted to DeWitt Smith & Co. for confirmation of procedural validity and computer-evaluation of the results.

"Obviously, there is in this work no implication that the ore reserves in the seven-square-mile test area can properly be regarded as representative, either qualitatively or quantitatively, of the iron deposits in any other section of the 140-square-mile Black Mountain region which Sovereign controls. The amount and quality of concentrate existing elsewhere in the region can be determined only by intensive individual sectional study and analysis, for which we have no immediate further plans."

Mr. Wood told the stockholders that, while consolidated corporate financial results for the first quarter of 1969 were not yet available, preliminary unaudited figures supplied by individual operating subsidiaries indicated that these subsidiaries had earned combined net income before taxes of \$468,388 for the quarter, on sales totaling \$5,123,248. He added that during first-quarter 1969 Sovereign had realized extraordinary-item pre-tax income of \$751,569, resulting from the sale by private placement of 438,000 common shares in a majority-owned subsidiary, Petrol Industries, Inc.

All nine incumbent directors were re-elected at the annual meeting, and all incumbent officers were re-elected at the organization meeting of the board of directors, which followed immediately. Stockholders also approved establishment of a qualified stock option plan for selected officers and key employees of the company.

#

A R ATL TESTING LABORATORIES

A DIVISION OF CLAUDE S. McLEAN & SON LABORATORIES, INC.
 PHONE AL 3-4272 817 WEST MADISON ST. P. O. BOX 1888 PHOENIX

Chemists... Engineers

For: **Cough Mining and Exploration Co.**
Rooms 100 and 110
Flamingo Hotel
Tucson, Arizona

Date: **August 1, 1956**

Lab. No.: **24710, 24711, 24712,**
24713, 24714, 24715

Sample: **Sand** Marked: **Black**

Received: **7-9 and 7-20-56**

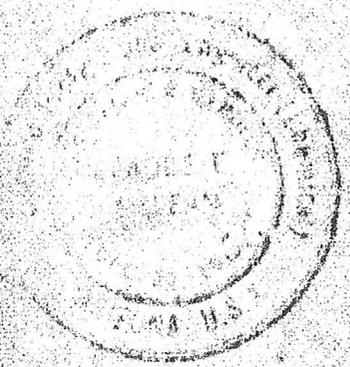
Submitted by: **Mr. H. E. Martin**

Report of Laboratory Tests

<u>LAB. NO.</u>	<u>IDENTIFICATION</u>	<u>REMARKS</u>
B-1710	PI 5 #1	5.0
B-1711	PI 5 #2	6.3
B-1712	PI 5 #3	6.4
B-1713	PI 6 #4	7.3
B-1714	PI 6 #5	8.2
B-1715	PI 7	8.6
		9.8
		10.0

Sample taken under supervision of Mr. J. Smith

Note: Material screened on #10 sieve before sample preparation.



Respectfully submitted,
 CLAUDE S. McLEAN
 President

CHEMICAL RESEARCH ASSAY ORE TESTING PHYSICAL TESTING

ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. MERRILL & SON LABORATORIES, INC.
 PHOENIX, ARIZONA 3-6272 817 WEST MADISON ST. PHOENIX

P. O. BOX 1888

PHOENIX

Engineers

For Assay of *Iron Ore* and *Exploratory Sampling*

Date *August 3, 1956*

Sample No. *100*

Received:

Submitted by *W. J. ...*

ASSAY CERTIFICATE

Gold figured at \$ 10.00 per ounce.

Silver figured at \$ 0.90 per ounce.

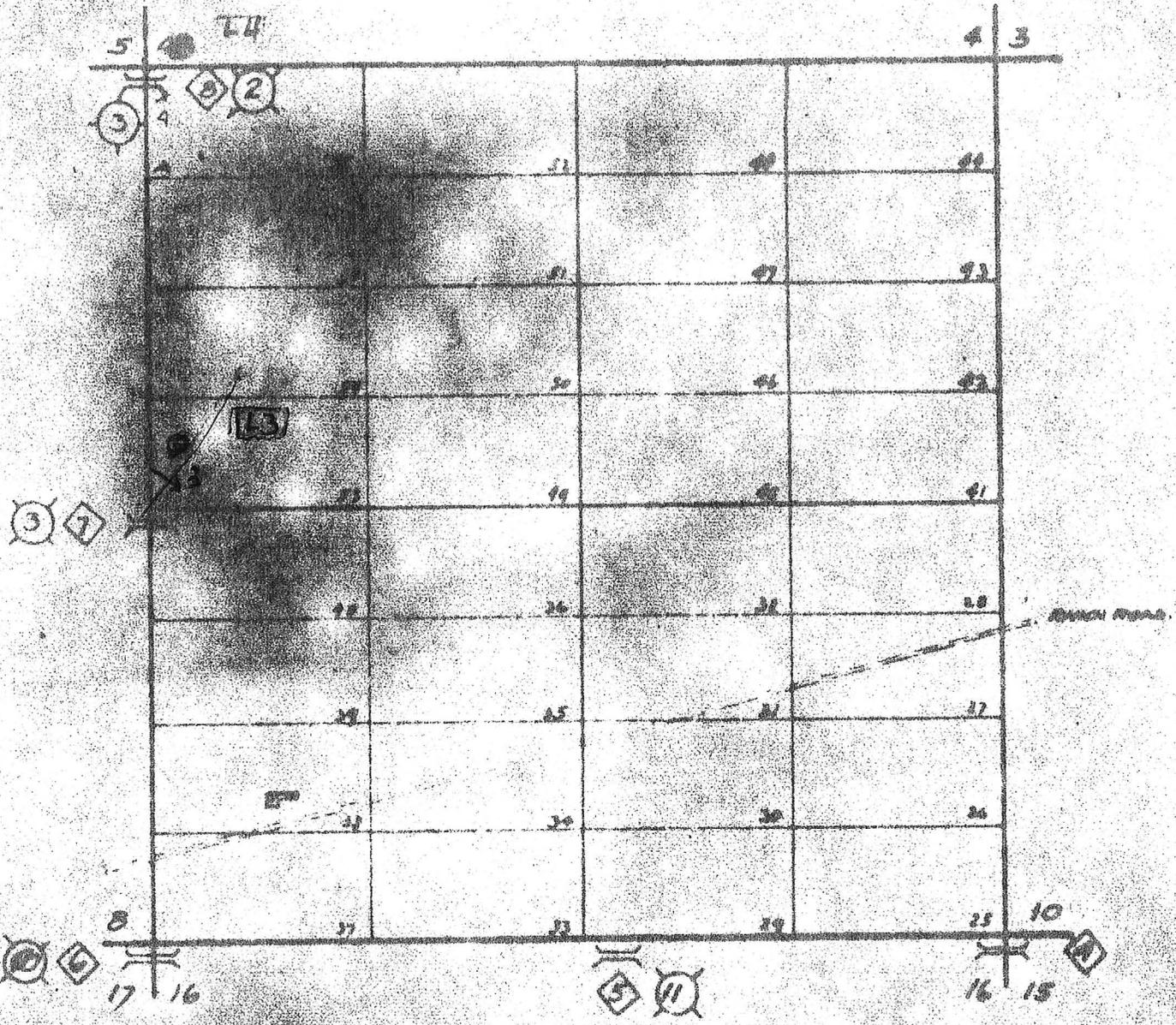
Lab. No.	Description	Gold		Silver		Percentage	
		Oz. per Ton	Value	Oz. per Ton	Value	Feet	(%)
T-1710	Orange Sand Pit 15, 11					35.84	
T-1711	Orange Sand Pit 15, 12					49.62	
T-1712	Orange Sand Pit 15, 13					42.89	
T-1713	Orange Sand Pit 16, 14					45.58	
T-1714	Orange Sand Pit 16, 15					44.46	
T-1719	Orange Sand Pit 17, 16					51.51	

These assays show the iron content of the respective concentrates.

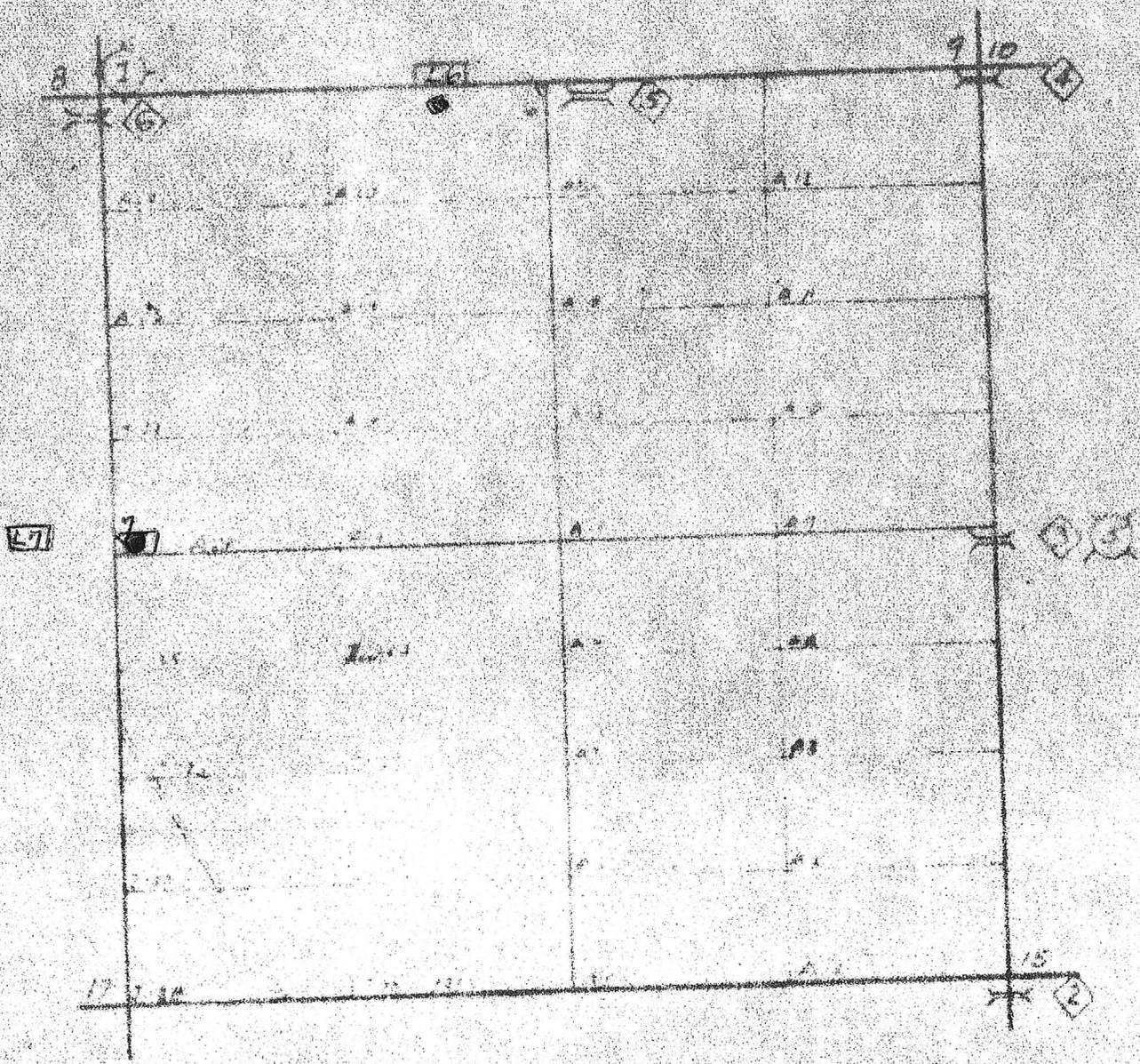
Respectfully submitted,
 ARIZONA TESTING LABORATORIES

Charges: *1.00*

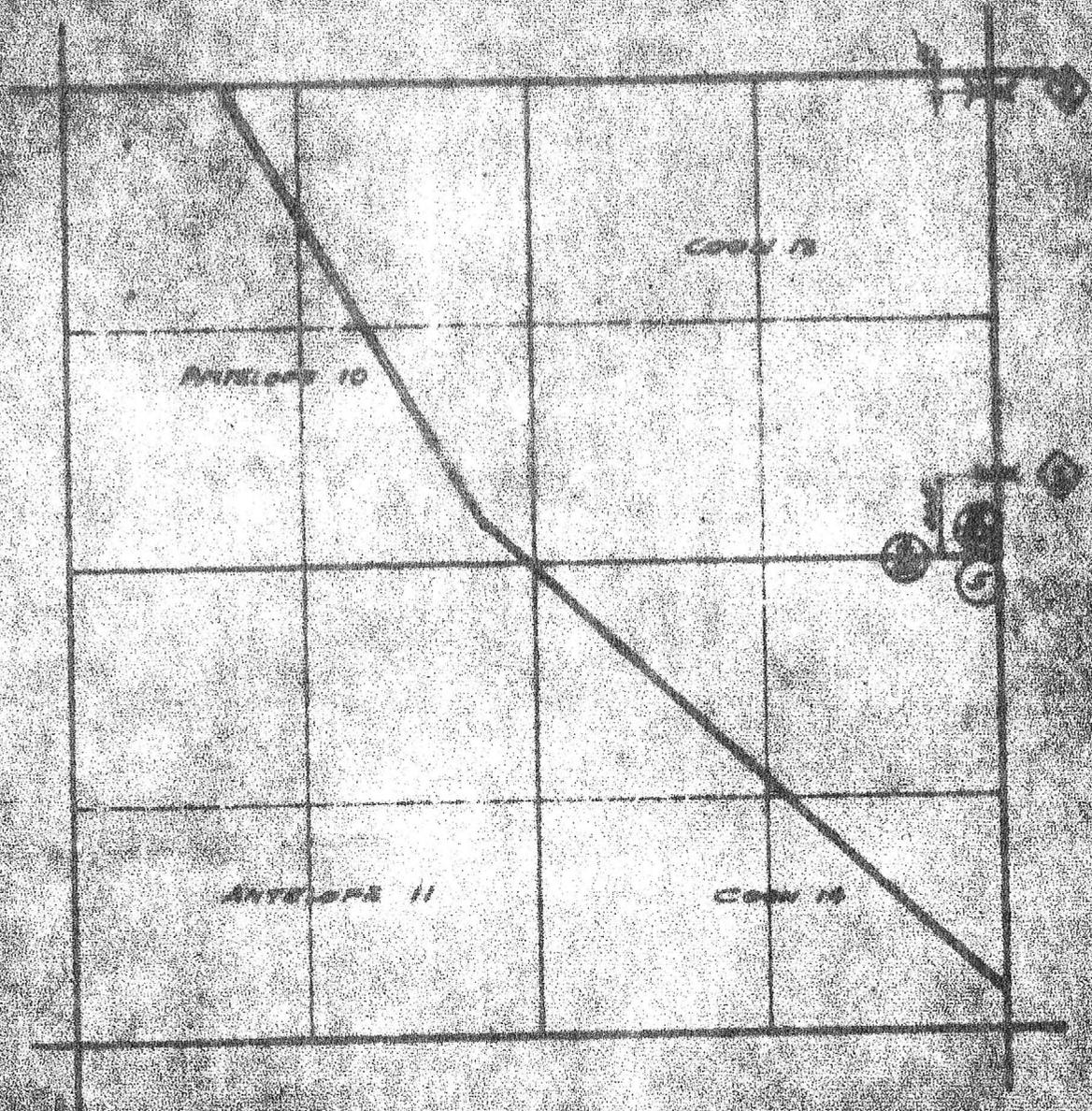
Claude E. Merrill



- Mc JUNKING DRILLING CO
- ◇ DR SCHMITT - TEST PITTS.
- ⊙ O. J. SCHERER.
- ◻ Long Drilling Co Test by LIND



-  Mc KIMMING DRILLING CO.
-  IN SCHMITZ TEST FIELD
-  C. J. SCHIFFER
-  Long Distance Co. Tactical Line

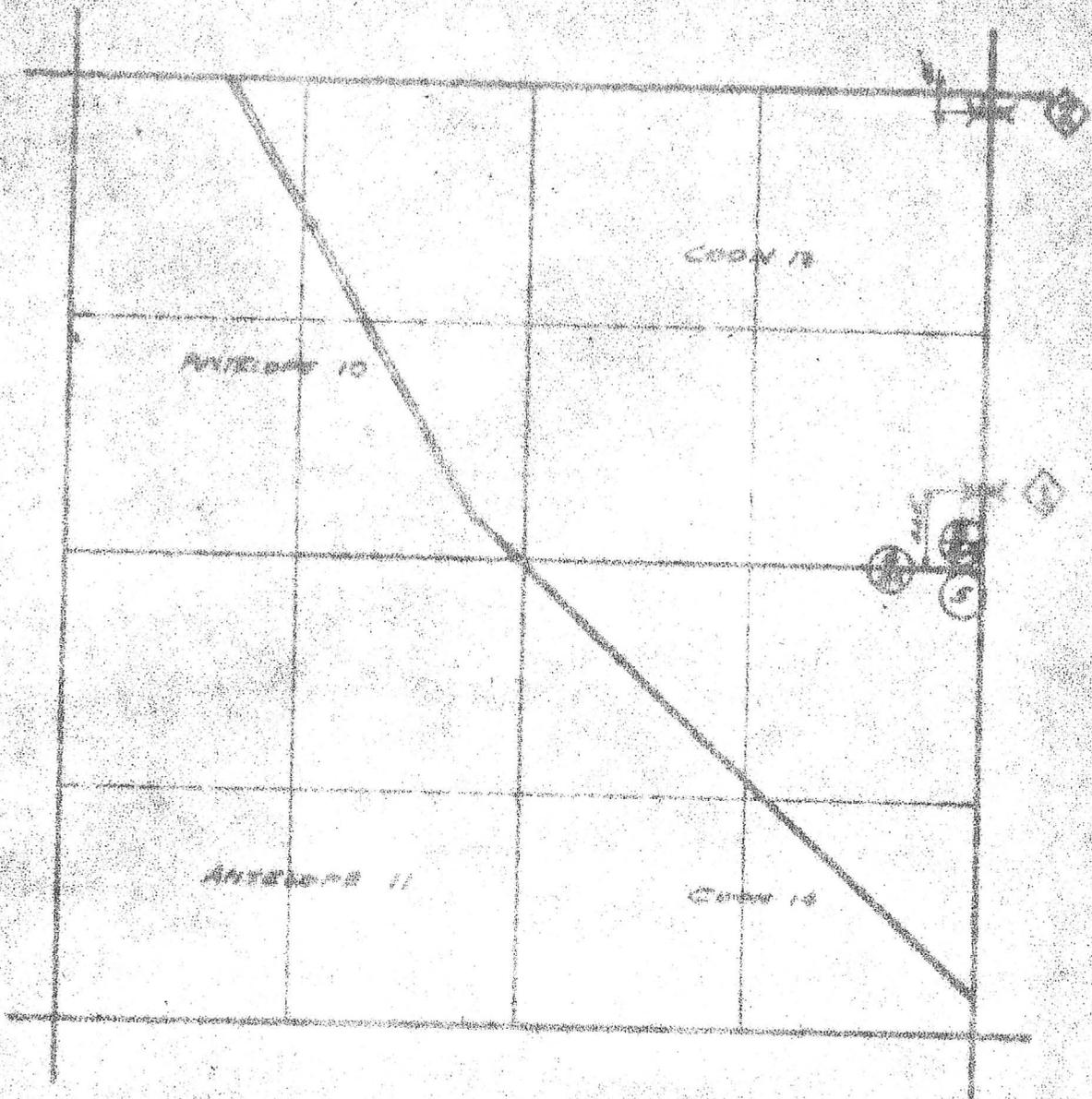


D.H. MARTIN TEST HOLES

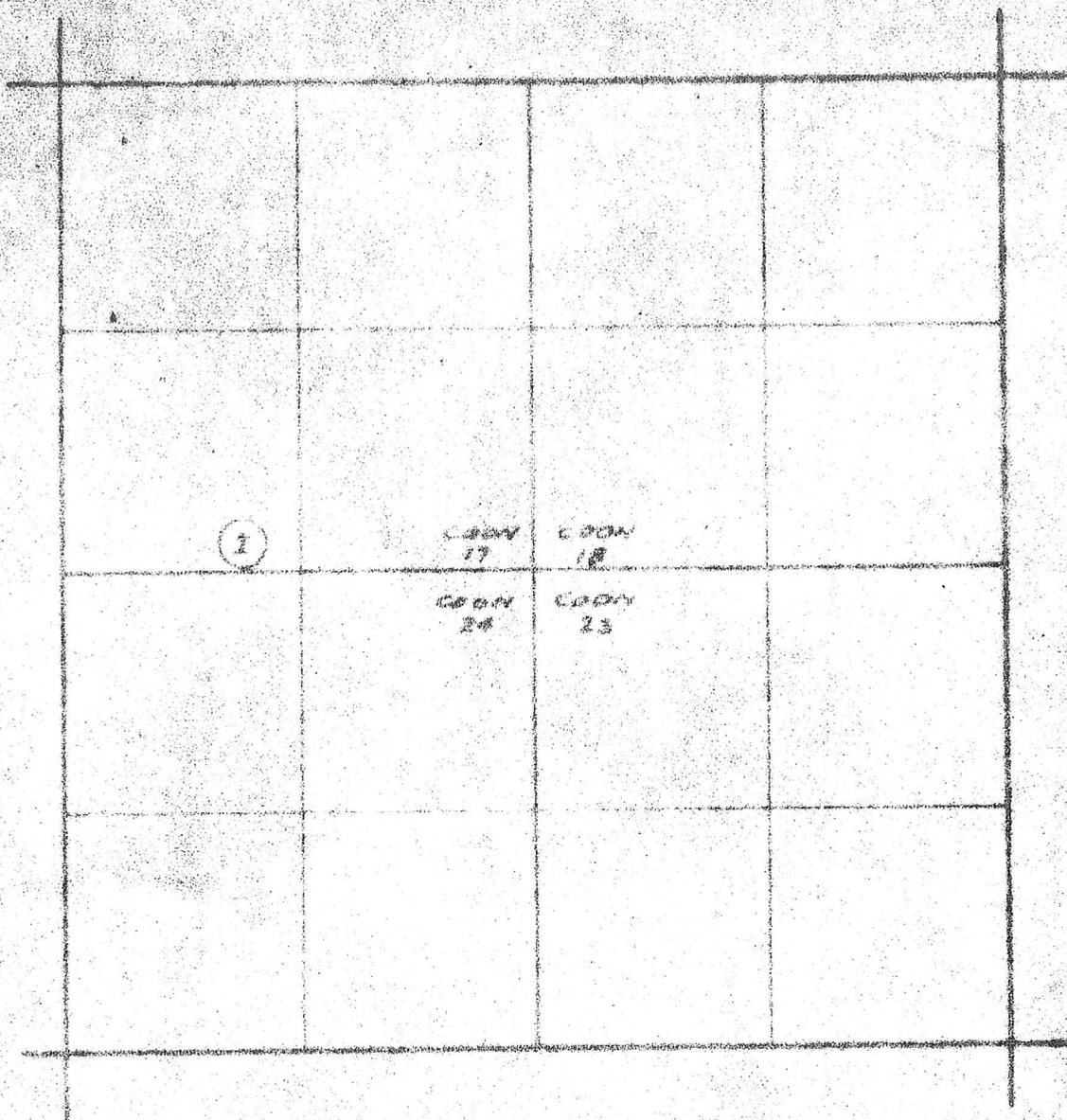


J.R. SCHMIDT TEST PIT

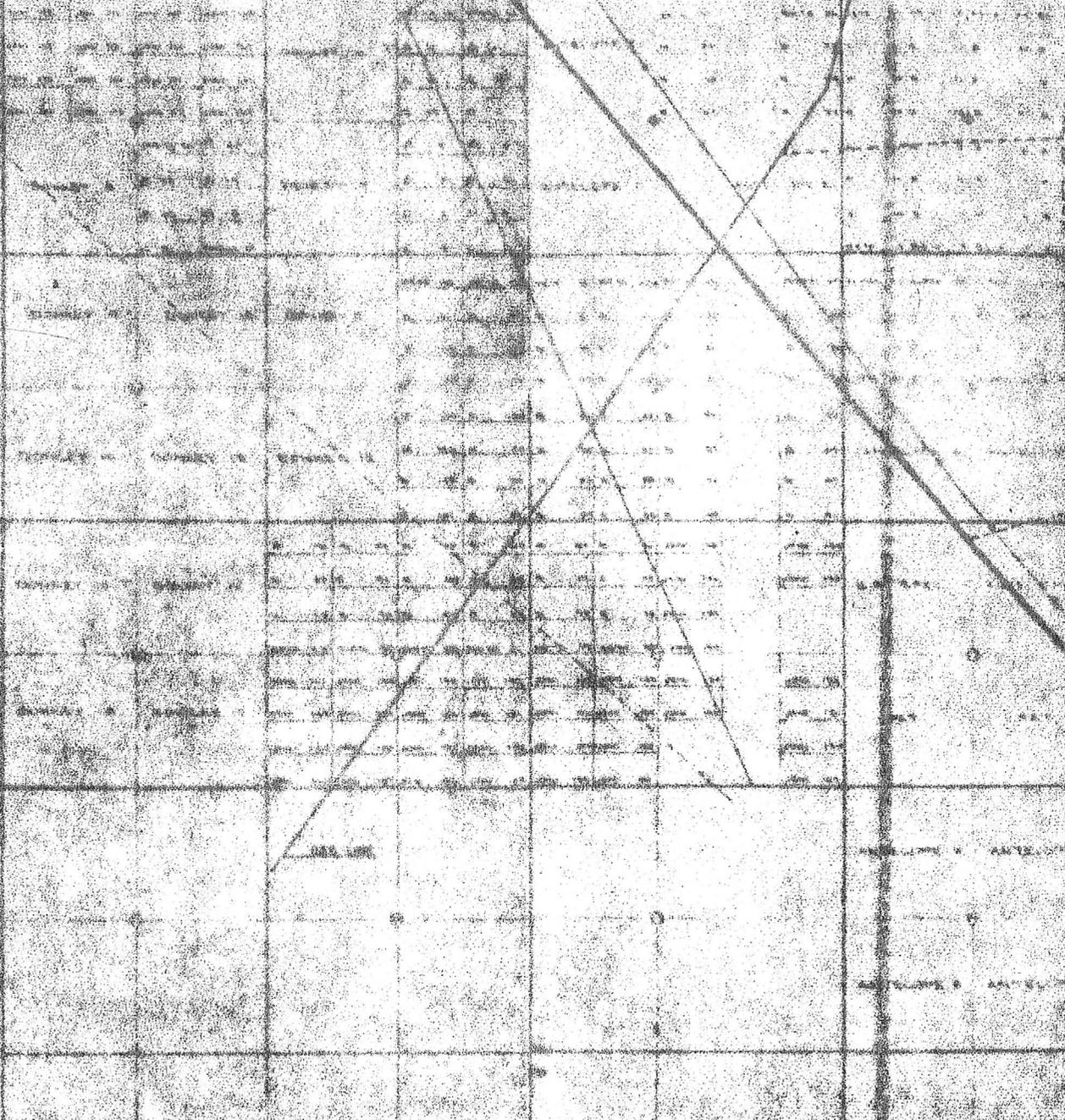
T-85, R&E, SECTION



- B. H. MARTIN TEST HOLES
- ◇ DR. SCHWARTZ TEST PITS



○ B.H. MARTIN - TEST LOCATIONS.



PROPERTIES OF
OMEGA MINES

THE BULLOCK HILL & SANDHILL DISTRICT

1910
 THE BULLOCK HILL & SANDHILL DISTRICT
 THE BULLOCK HILL & SANDHILL DISTRICT

STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES

MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA 85007



June 3, 1966

MEMO Re: ARKOTA STEEL MILL - Coolidge -- visit and interview
OMEGA Iron property - near Red Rock - visit and interview

C Mr. L. W. Bischoff is Superintendent of the Arkota Steel plant - 2 other men employed.

O Westchester Mining Co. ^(Coolidge) is a subsidiary of Sovereign Resources of Dallas, Texas, and they are currently operating the plant. It has been rumored that Litton Industries was involved with Westchester Mining Company, but Mr. Bischoff said "a couple" of Litton directors only were involved.

P Plant is grinding some of the iron concentrates for use in farm equipment tires as a ballast and to replace air. This requires a fineness of about 200 mesh. The potential market for this use is above 500,000 tons per year. Coarser iron concentrates are used for sand blasting. The mill operates one shift per day, six days per week, from concentrates that are produced from the Red Rock claims, about 1 mile NW of the Arkota camp. No clear deal has been consummated between Arkota and Sovereign. There is some negotiating taking place regarding licensing of patents.

Mine:

Y They are mining with a D 8 dozer on the Red Rock group NW of Arkota camp about 2 miles (camp reached by taking the Iron Valley Road) - material being mined said to be lower grade than average. Two magnetic separators together with conveyors and portable conveyor stacker are near a shallow pit. A pea-sized gravel is being produced for Highway construction although no highway construction is known to be taking place within 40 miles. Three smaller dozers appear to be on a standby basis. Other equipment includes motor grader, carryall, dump trucks (10 yard capacity) power plant and other equipment. A rough ~~iron~~ concentrate is produced and stacked with plans for better concentration.

F.T. Johnson, Field Engineer

MEMO

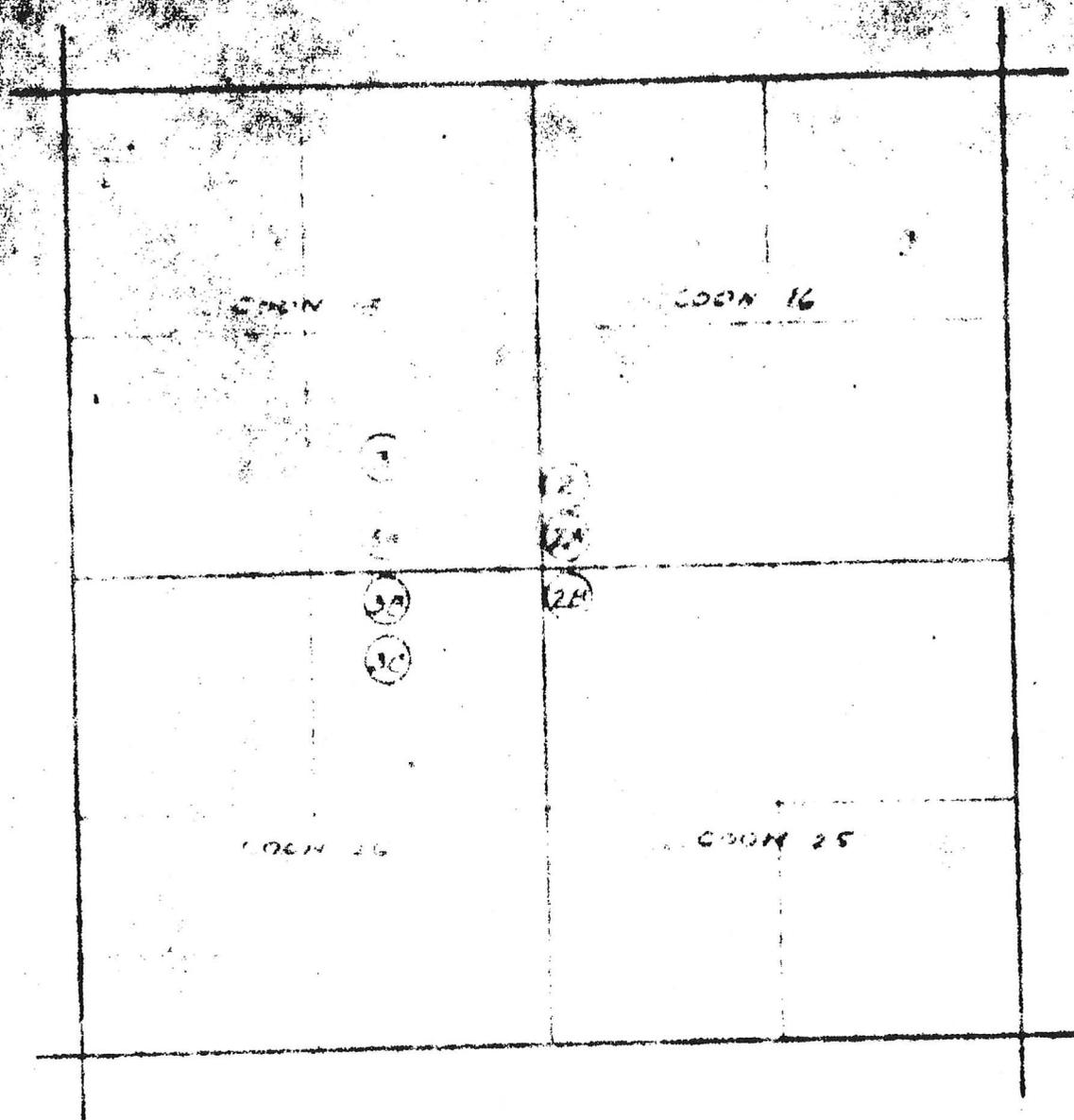
August 24, 1961

Lewis A. Smith

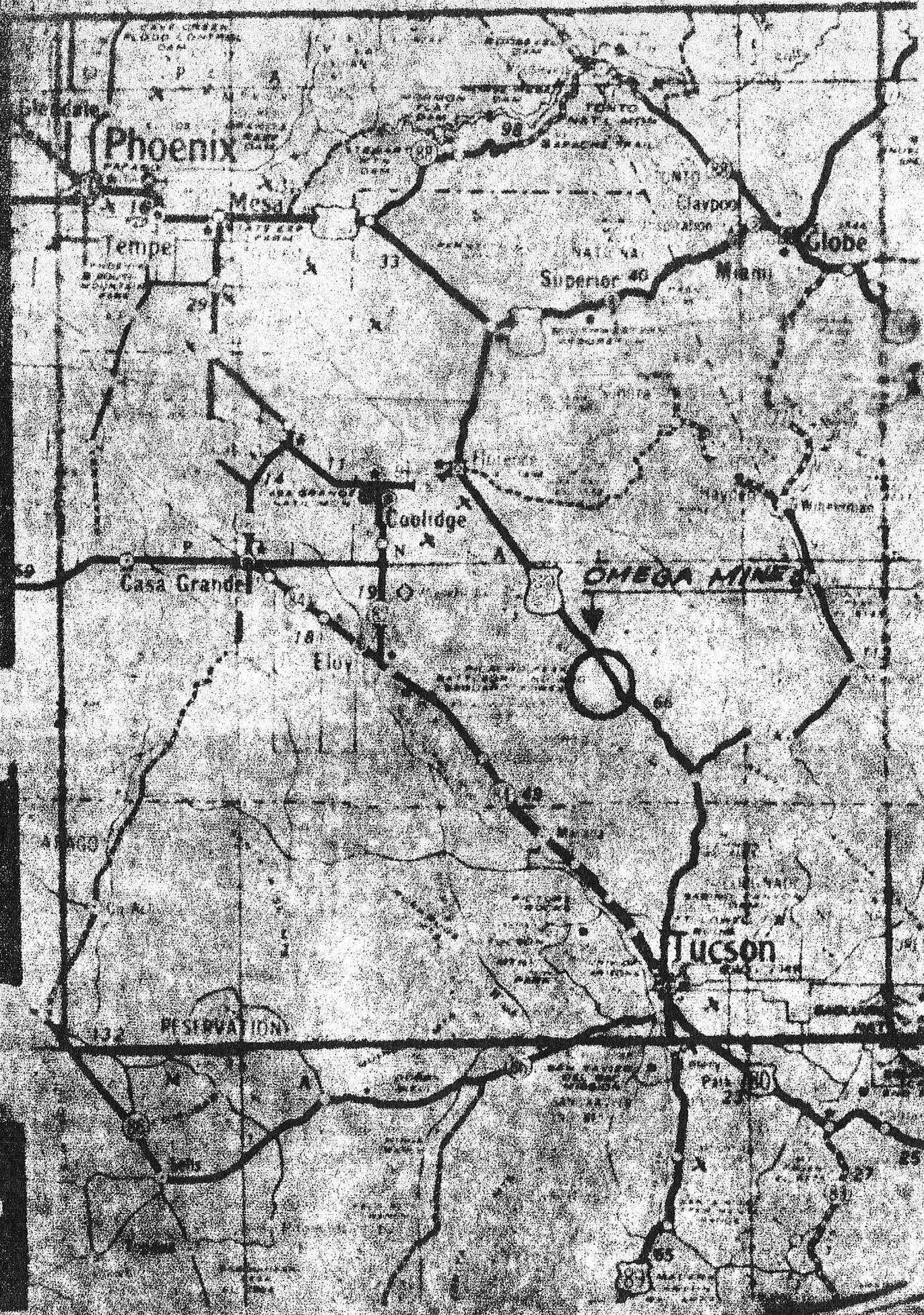
Southwestern Iron and Steel Industries, Inc.
Omega Mine and Coolidge Mill

The accompanying letter is self-explanatory and clarifies the ownership and lease situation at both the mine and mill.

William E. Strickland is Secretary for Southwestern.



ENHANCED TEST LOCATIONS



Phoenix

Mesa

Tempe

Casa Grande

Coolidge

Eloy

Tucson

Globe

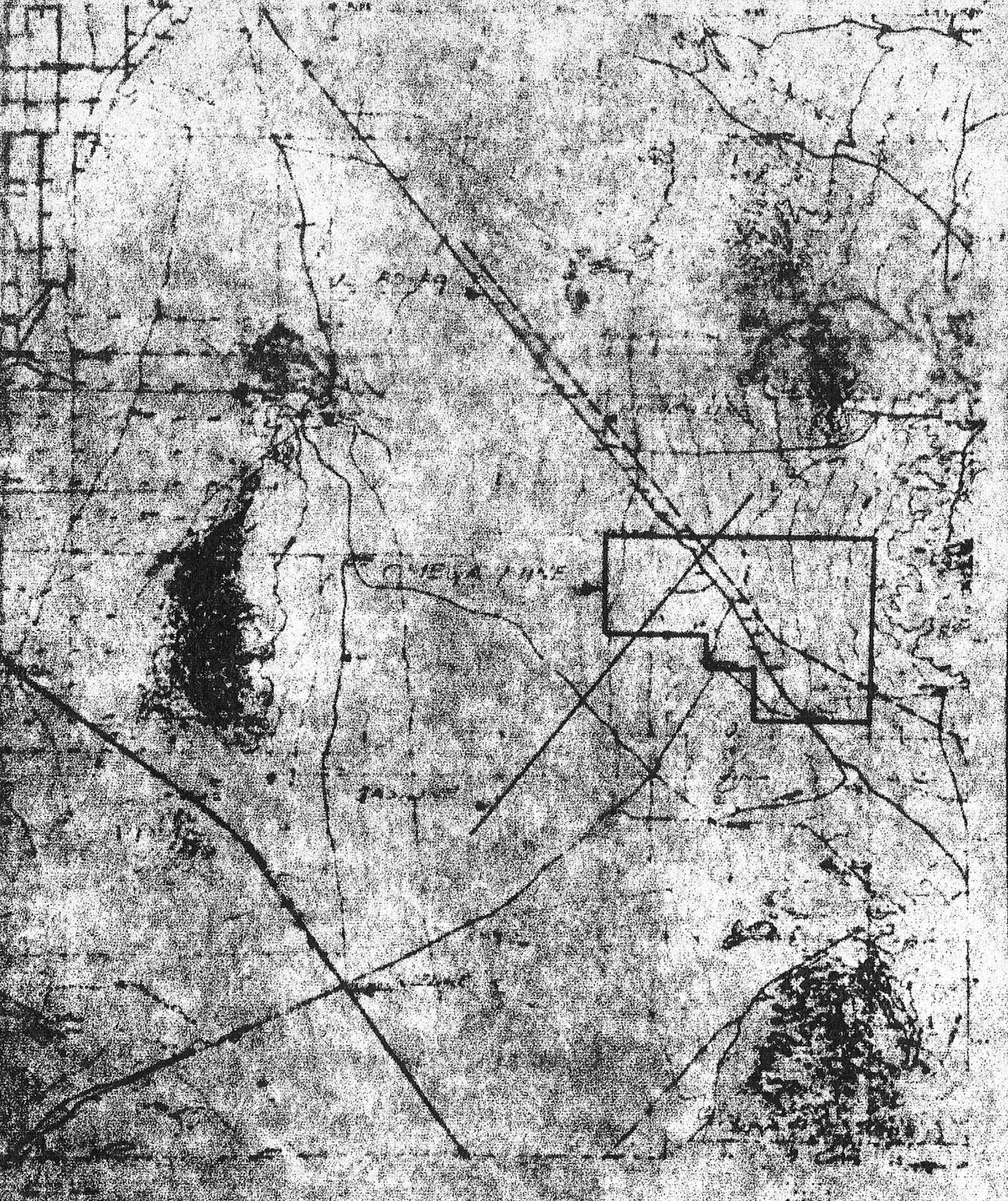
Superior

Miami

OMEGA MINES

RESERVATION

PAID



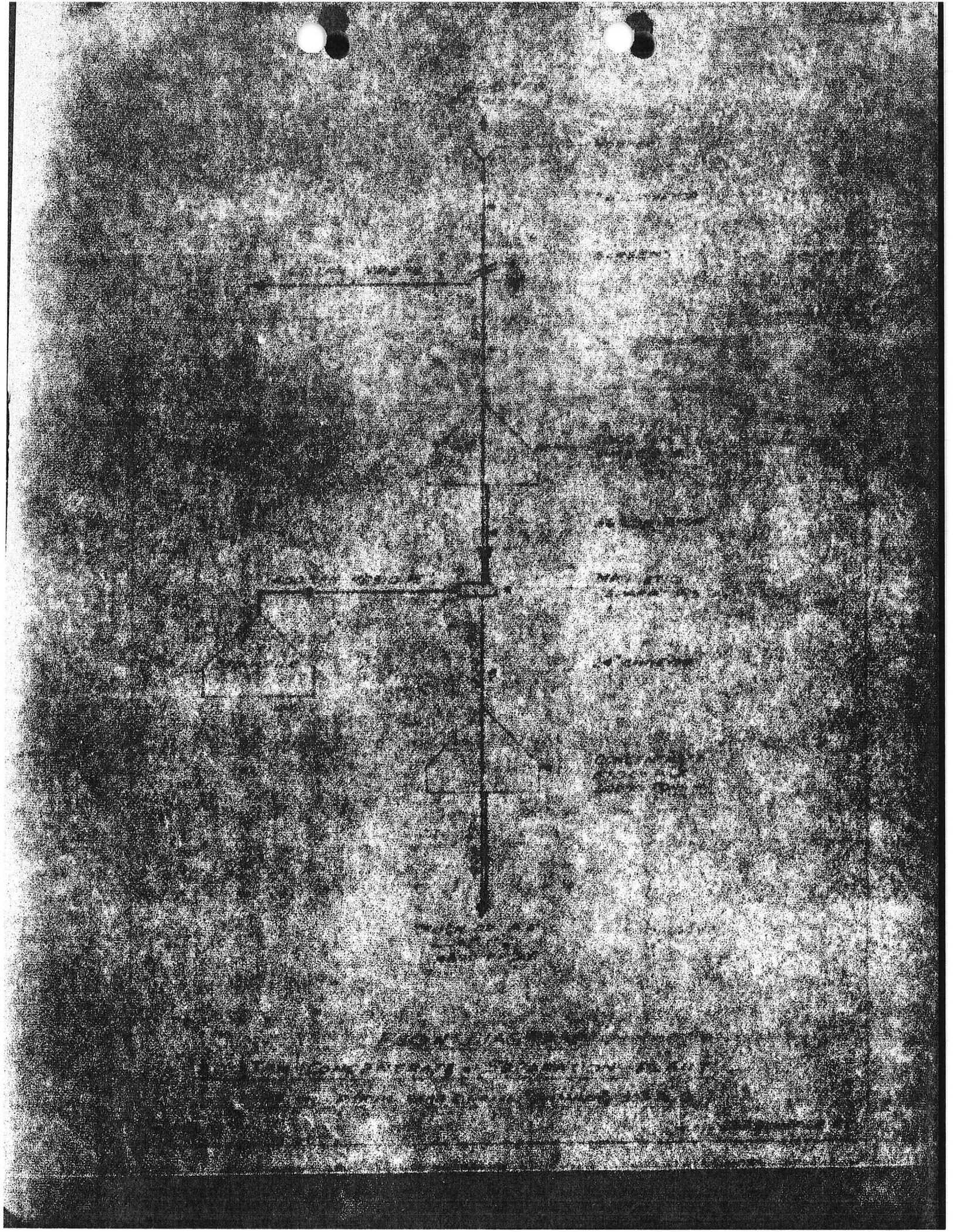
J. AD-19

MEGA TUNE

JANUARY

Scale
1:50,000

AR 1-54
10188-11



Omega Mines, Inc.

3417 SOUTH AVENUE - SUITE 11
LAS VEGAS, NEVADA

Phone DU 2-3998
2-4364

COPY

COPY

Description of holes drilled by the Long Drilling Company, of
17 West Camelback Road, Phoenix, Arizona.

- Hole #1 1/4 mile West and 200 ft. South of West Gate on the
El Paso Natural Gas Company Road — 49 ft. deep
- Hole #2 600 ft. North and 700 ft. West of No. 1 — 49 ft. deep
- Hole #3 N 34° East, 200 ft. from 1/4 Br. Sec. 8-9 — 32 ft. deep
- Hole #4 S 30° East, 90 ft. from Br. Secs. 8-9-4-5 — 91 ft. deep
- Hole #5 S 55° West, from Br. Secs. 5-6-7-8, dist. 81 ft. — 91 ft. deep
- Hole #6 S 65° East from 1/4 Br. Sec. 9-16, dist. 28 ft. — 74 ft. deep
- Hole #7 N 70° East from 1/4 Br. Sec. 16-17, dist. 11 ft. — 50 ft. deep
- Hole #8 N 23° East from 1/4 Br. Sec. 10-11, dist. 210 ft. — 45 ft. deep
- Hole #9 N 80° West from 1/4 Br. Sec. 9-10, dist. 68 ft. — 50 ft. deep

The assays on these holes were run by Joe B. Linn, of Henderson, Nevada

SPECIAL ANALYSIS REPORT

ANALYST: _____

DATE: 9/17/56

SUBMITTED BY: Jimmy

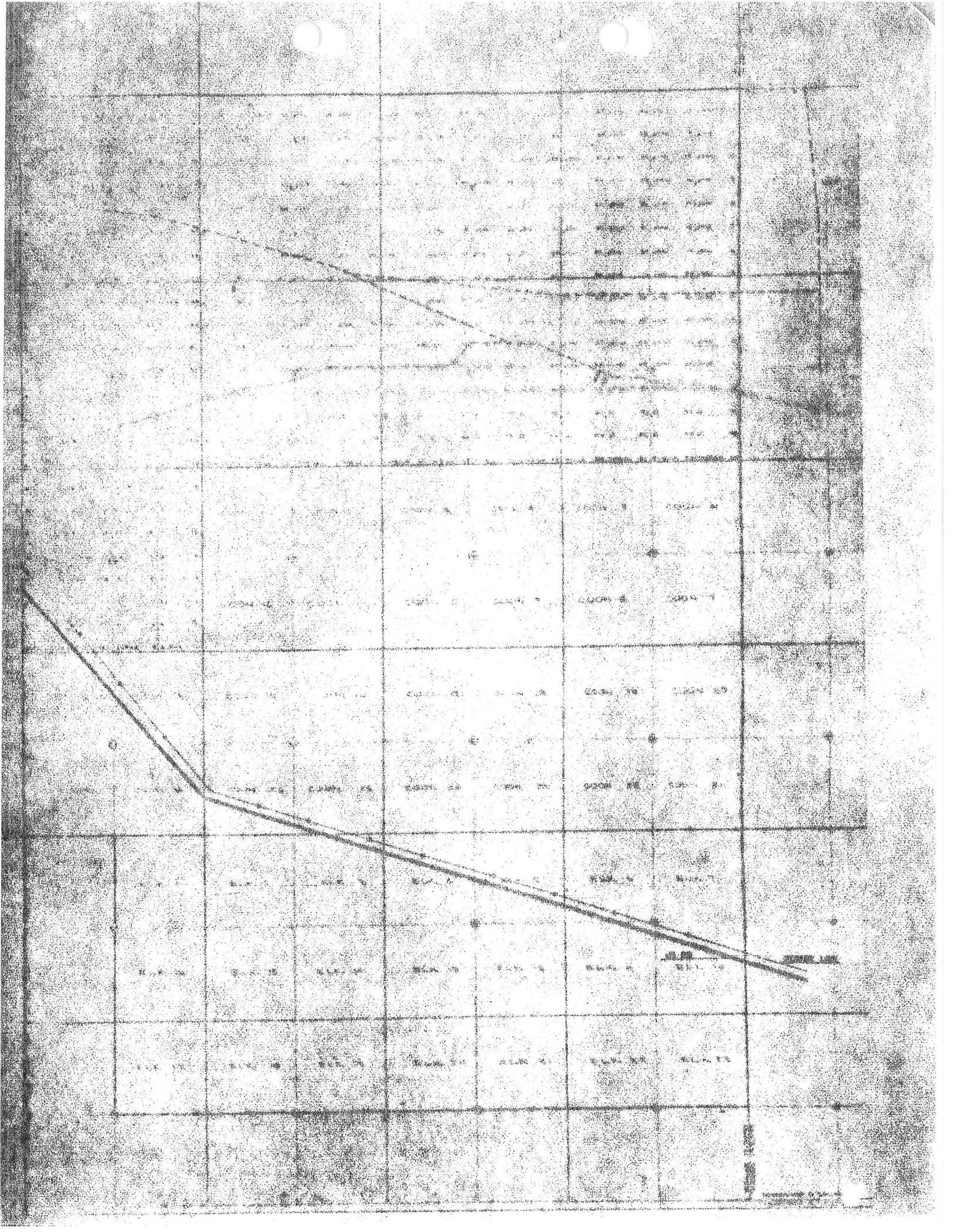
REQUESTED BY: _____

SAMPLE NO.	Description	wt. Heads	wt. tails	Total wt Sample	% Heads	% FE in Heads	% Fe in Total wt Sample
# 1		20.7613	64.3115	85.0728	24.4	62.1	15.15
# 2		25.7976	85.4609	111.2585	23.2	65.0	15.1
# 3		28.6258	111.1805	139.8063	20.42	57.6	11.78
# 4		26.2571	88.8427	115.0998	22.8	59.3	13.5
# 5		21.1297	102.8199	123.9496	17.05	60.5	10.3
# 6		28.2758	112.6625	140.9454	20.3	66.7	13.5
# 7		15.8428	95.7688	111.6116	13.65	71.6	9.8
# 8		35.5882	154.3451	189.9333	18.72	70.3	13.1
# 9		23.3209	104.2052	126.5259	17.6	71.6	12.55

PROPERTIES OF
OMEGA MINES

THE OMEGA MINES COMPANY, SALT LAKE CITY, UTAH

1911
SALT LAKE CITY, UTAH



COPY

SMITH-EMERY COMPANY

CHEMISTS - ENGINEERS
GENERAL OFFICE - 127 WEST WASHINGTON STREET
LOS ANGELES 21
CALIFORNIA

LABORATORY

No. **61867**

Date **MAY 22, 1954**

Sample **Pulp**

Received **4-14-54**

Marked **"42-60"**

Submitted by **Kovach Testing Laboratory,
200 West Boston Avenue,
Los Angeles, Nevada.**

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

Element

Approximate Quantity

Major Constituents

Carbon, Nitrogen, Hydrogen - Invariable Constituents.

Minor Constituents

Calcium	25	1%
Magnesium	0.5%	0.5%
Sulfur	0.1	0.1
Barium	0.1	0.1
Vanadium	0.1	0.1
Strontium	0.1	0.1
Boron	0.01	0.01
Chromium	0.01	0.01
Copper	0.005	0.005
Nickel	0.005	0.005
Zinc	0.001	0.001
Rare Earths	Trace	
Mercury	None found	
Selenium	None found	
Lead	None found	
Phosphorus	None found	
Silicon	None found	
Thallium	None found	

Respectfully submitted,

Smith-Emery Co.

SMITH-EMERY COMPANY

All reports are submitted as the confidential property of clients. Authorization for publication of our reports, conclusions, or extracts from or regarding them is reserved pending our written approval as a mutual protection to clients, the public and ourselves.

(See instructions on reverse side regarding qualitative spectrographic examination.)

COPY

LABORATORY REPORT
SMITH-EMERY COMPANY

CHROME MOTE - BUCKLE HILDS
THE STATE OF ARIZONA - DEPARTMENT OF MINES
LABORATORY OF MINERALOGY

ALL REPORTS AND SPECIFICATIONS ARE THE PROPERTY OF SMITH-EMERY COMPANY. THEY ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF SMITH-EMERY COMPANY.

LABORATORY

No. 419596-410

Date June 1, 1956

Sample Pd3

Received 5/26/56

Order #15-77*

Submitted by Nevada Testing Laboratory,
100 West Ruston Avenue,
Las Vegas, Nevada.

Report of Determination
BUREAU OF MINERALOGY

Aluminum Oxide (Al_2O_3)	10.004	10.06%
Titanium Oxide (TiO_2)	1.604	1.62%

Respectfully submitted,

Smith-Emery
LABORATORY OF MINERALOGY
S.L.C.

Dings magnetic separator company

1745 WEST ELECTRIC AVENUE MILWAUKEE 26, WISCONSIN

Testing Laboratory Report 7-6-56

MAGNETIC SEPARATION TEST No. 244-9476

TEST MADE FOR See Rec. 100

ADDRESS 1411 So. I Street Suite 11 Lab. Project, Maroon

MATERIAL TESTED and in 1 WT. OF SAMPLE OR CH. BY 100

SCREENING ANALYSIS

Plus	20 Mesh	40 Mesh	60 Mesh	80 Mesh	100 Mesh	150 Mesh	200 Mesh	WT.	%
								34.0	29.0
								34.3	54.2
								2.5	3.5
								2.4	2.4
								1.9	1.9
								3.0	3.0
								<u>100.08</u>	<u>100.0%</u>

TYPE OF MAGNETIC SEPARATION USED FOR TEST

Double Force Drive

PROD.	WEIGHT IN SAMPLE	% OF TOTAL WT.	REMARKS
A	<u>2.50</u>	<u>4.2</u>	<u>Magnetic Discharge</u>
B	<u>45.75</u>	<u>95.8</u>	<u>Non-Magnetic</u>
C			
D			
E			
F			
G			
H			
I			
TOTALS	<u>47.75</u>	<u>100.0</u>	

ALL PRODUCTS RETURNED TO ASPTA VIA RECORD

NOTES:

E.J. Sankovich/ha



INDUSTRIAL SEPARATION COMPANY
 4700 WEST ELECTRIC AVENUE MILWAUKEE 45 WISCONSIN

Testing Laboratory Report 7-4-56

MAGNETIC SEPARATION TEST NO. 2407

TEST MADE FOR Car. Inc. Inc.
 ADDRESS 141 So. 2 Street Suite 11 Los Angeles, California
 MATERIAL TESTED Iron ore WT. IN LBS. PER CU. FT. 100

SIEVE ANALYSIS

Plus	20 Mesh			34.0%	29.0
Minus	20 Mesh plus	60 Mesh		34.2	54.2
"	60 "	"	100 "	9.8	29.5
"	100 "	"	150 "	3.4	2.7
"	150 "	"	200 "	1.9	1.9
"	200 "			1.2	3.0
				100.0%	

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

14.5 Series

PROD.	WEIGHT IN POUNDS	% OF TOTAL WT.	REMARKS
A	15.75	54.8	Magnetic Discharge
B	47.75	75.2	Non-magnetic discharge
C			
D			
E			
F			
G			Air Gap 1" to 3/4"
H			
I			
J			
TOTALS	63.50	100.0	

ALL PRODUCTS RETURNED TO ABOVE VIA EXPRESS

NOTES:
 Non-magnetic discharge used and results given as 100%
 100% of 100% quantity 4-1 200/1000

[Signature]

Dings

MAGNETIC SEPARATOR COMPANY

1200 WEST ELECTRIC AVENUE MILWAUKEE 42 WISCONSIN

Testing Laboratory Report

MAGNETIC SEPARATOR TEST NO. 344

TEST MADE FOR SEA PAK INC.

ADDRESS 447 So. 1 Street Waukegan, Ill. San Jose, Calif.

MATERIAL TESTED Iron Ore WEIGHT OF SAMPLE 104

SCREEN ANALYSIS

Plus	20 Mesh	40 Mesh	60 Mesh	80 Mesh	100 Mesh	150 Mesh	200 Mesh	300 Mesh	PERCENT
Minus	20 Mesh plus	40 Mesh	60 Mesh	80 Mesh	100 Mesh	150 Mesh	200 Mesh	300 Mesh	
"	85 "	"	100 "	"	"	"	"	"	31.7
"	100 "	"	150 "	"	"	"	"	"	53.5
"	150 "	"	200 "	"	"	"	"	"	8.1
"	200 "	"	"	"	"	"	"	"	3.8
"	300 "	"	"	"	"	"	"	"	1.3
"	400 "	"	"	"	"	"	"	"	0.7
									100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

Model No. Patent Series

PROD.	WEIGHT IN POUNDS	% OF TOTAL WT.	REMARKS
A	2.0	4.76	Magnetic Discharge Non Magnetic Discharge
B	39.625	95.23	
C			Cap setting 1/4" on feed rate
D			
E			
F			
G			
H			
I			
J			
TOTAL	41.625	100.00	

ALL PRODUCTS RETURNED TO ABOVE VIA EXPRESS

NOTES:

E. F. HANCOCK/KA



KINGS INDUSTRIAL CORPORATION
 100 WEST HENDRICK AVENUE MILWAUKEE 18 WISCONSIN

Testing Laboratory Report

MAGNETIC SEPARATION TEST No. 9411

TEST MADE FOR See File 100
 ADDRESS 412 Hill Street, Chicago, Ill. Lat. Table, Sample
 MATERIAL TESTED Iron Ore WT. IN LBS. PER CUB. FT. 104

SCREEN ANALYSIS

Plus	30 Mesh				31.7
Minus	20 Mesh plus	65 Mesh			53.5
"	65 "	"	100 "		8.1
"	100 "	"	180 "		2.8
"	180 "	"	200 "		1.2
"	200 "				2.7
					100.0%

TYPE OF MAGNETIC SEPARATOR USED FOR TEST

Roller Type

PROD.	WEIGHT IN LBS.	% OF TOTAL WT.	REMARKS
A	8.375	16.7	Magnetic Discharge
B	41.625	83.3	Non-Magnetic "
C			
D			
E			
F			Air Gap 1" to 3/4"
G			
H			
I			
J			
TOTALS	50.00	100.0	

ALL PRODUCTS RETURNED TO ADOTE VIA EXPRESS

NOTES: Non-Magnetic Discharge rerun & results given on 9/4/64.
 12 Ampere D.C. Capacity 4-5 amp/hy/foot.

From the desk of

FRANK P. KNIGHT

Dec. 1957

✓
Omega Mine ✓

✓ W. W. Zeigler, formerly with Garpac, and still in consulting capacity.

Zeigler said things were quiet with Omega - Garpac awaiting S. E. C. approval of stock issue (about 30 M ?) They did not come to terms with Clint Murchison and he is out but others are interested.

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION TELEGRAM

W. P. MARSHALL, PRESIDENT

1201

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

The filing time shown in the date line on domestic telegrams is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

LD1 16

(55)

L TSA081 PD=TUCSON ARIZ 30 1053AMM=

1956 SEP 30

AM

Handwritten initials and date: J W M OCT

ROGER MANNING=

235 WEST BETHANY HOME ROAD PHOENIX ARIZ=

OMEGA MINES INC WOULD APPRECIATE YOUR PRESENCE FOR A FIELD TRIP AND PRESS CONFERENCE AT WHICH OUR ENGINEER WILL DEMONSTRATE METALLURGY, SHOW PROPERTY AND ANSWER QUESTIONS. WE WILL ASSUME YOUR EXPENSES. PARTY LEAVES WESTERNER HOTEL TUCSON 1115AMM MONDAY OCT 1ST=

J W MARTIN PRESIDENT OMEGA MINES=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

WESTERN UNION TELEGRAM

W. P. MARSHALL, PRESIDENT

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

1201

The filing time shown in the date line on domestic telegrams is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

LA068

(53)

L TSA078 PD=TUCSON ARIZ 30 1051AMM=

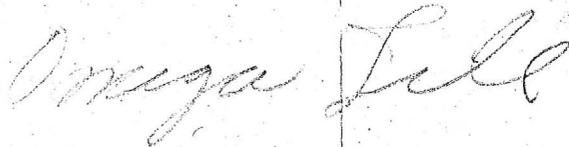
1956 SEP 30 AM 10 59

=AXEL JOHNSON=

2520 EAST HELEN TUCSON ARIZ=

=OMEGA MINES INC WOULD APPRECIATE YOUR PRESENCE FOR A
FIELD TRIP AND PRESS CONFERENCE AT WHICH OUR ENGINEERS
WILL DEMONSTRATE METALLURGY, SHOW PROPERTY AND ANSWER
QUESTIONS PARTY LEAVES WESTERNER HOTEL TUCSON 1115 AM
MONDAY OCT 1ST=

J W MARTIN PRESIDENT OMEGA MINES=



THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

OMEGA IRON PLACER DEPOSIT PINAL COUNTY

Visited mine - temporarily closed.

AXEL L. JOHNSON
7-20-59 - WR

From the desk of

FRANK P. KNIGHT

6/12/59

Moore Bros. Construction Co. Bros are from S.D.
Southwest Iron & Steel Industries, Inc. has
contract from Hailburton Oil Co. for 100,000
tons magnetite concentrate, probably for heavy
drill mud.

(as told by H.D. Martin, father of Martins
connected with SWI & SI, Inc., to C.R. Kuzell
and by latter to FKnight).

1/10/56

Omega Mines Inc.

J. W. Martin Las Vegas, Nev.

W. H. " " as claim & property

Urb Head Mining List 75 M. NW
of Tunson T 7 & 8 N R 11, 12, 13 E

Reports by Harrison Schmidt
& P. H. Lund. (col)

Claim deposit on 40,000 acres
part state land about 80%
Fe as Magnetite and
that ore body contains
200,000,000 tons of 68% Fe after
concentrating.

Have contacted with Japanese
concern for \$60,000,000.
above furnished by J. W. Martin
of phone from Las Vegas, Nev.

Will send copies of reports
to Dept.

Omega is private corp and
not raising capital re Martin.

R

Information from MINE INSPECTOR'S OFFICE - August 15, 1957

OMEGA MINE PINAL COUNTY (So.) 6-12-57

IRON & MAGNETITE

GARPAC, INC., 112 N. Central Ave., Phoenix, Arizona

Mgr. - P. Foster " " " " "

Sutp. - G. R. Davis, 1927 E. 9th St., Tucson, Ariz.

Stripping contracted - 5 men

L. A. S.

Phoenix, Arizona
February 28, 1957

OMEGA MINES INC

Pace Foster and Ray Burgi of Garpac Inc called at 2 P.M.

Following are notes of Mr. Foster's statements:

Garpac has some of Omega property under lease. Have spent \$100,000 in the past year - considerable drilling, bulldozed pits - holes to 90' depth. Much metallurgical work and market research. Put in pilot plant.

Plan to put in plant to deliver 20,000 tons of concentrates per month and hoping to get operating by May 1st. Will be "sand and gravel" operation with separation unit at end, - conveyor screens, magnetic scalper to finishing Stearns separator to take magnetite from ilmenite. Will stockpile ilmenite and ship raw magnetite concentrate. Know they can make concentrate and sell it. As soon as they can they will work up to sintering and from there to pig iron. A separate unit to handle the ilmenite would be expensive (and how!)

Claim several million tons of commercial quality. Basing figures on 7% Fe by volume as average grade. Want to block out ore in 2 sections to either 12' or 24' depth.

Wanted recommendation of engineer. Gave them engineer ads in Pay Dirt - February issue. Said they did exploration work for Omega last summer.

Garpac Central office is Mayer-Heard Building, Phoenix. Have small offices in Nevada and Oregon. George Hill is their attorney.

For their work for Omega they are to get 25¢ per ton for ore removed from 3840 acres of Omega land which is separate from their leasedland but adjoins it. Acheson of L. A. looking over this 3840 acres.

Garpac's principal previous operations in Sierra County, New Mexico

B. H. Martin, Lewishon engineer-geologist is consultant.

F. P. Knight

I made no comment whatever about the property other than to say that Harrison Schmitt was a good man when I looked at his report.

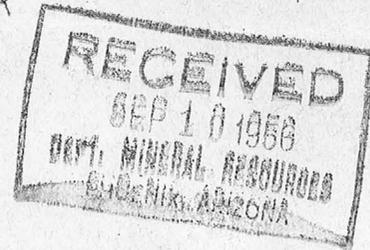
1/

Omega Mines, Inc.

2419 SOUTH FIFTH — SUITE 11
LAS VEGAS, NEVADA

Phone DU 2-3998
2-6364

September 18, 1956



State of Arizona
Department of Metals and Resources
Phoenix, Arizona

Attention: Mr. Manning

Dear Mr. Manning:

Enclosed is a set of reports and analyses on the property of Omega Mines, Inc.

You will notice that Mr. B. H. Martin and Dr. Harrison Schmitt are basing their analyses and their computations as to tonnage blocked on 5% magnetite to a depth of 21 to 24 feet. Enclosed you will find Arizona Testing Laboratory's analysis, in conjunction with that of Joe B. Linn of Titanium Metals Corporation of America, in Henderson, Nevada; and also the additional holes drilled by the Long Drilling Company of Phoenix, Arizona, with the depths and locations of these holes; which more than substantiate the declared 200,000,000 tons.

Very truly yours,

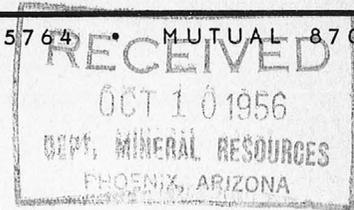
OMEGA MINES, INC.

J. W. Martin
President

JWM:rb

SALDANA, LEVY & ASSOCIATES
ADVERTISING & PUBLICITY
1127 WILSHIRE BOULEVARD
LOS ANGELES 17, CALIFORNIA

MUTUAL 5764 • MUTUAL 8708



October 9, 1956

Mr. Roger Manning
Arizona Department of Mining Resources
Phoenix, Arizona

Dear Mr. Manning:

This letter concerns our client Omega Mines, Inc., and, more specifically, a release sent out from this office for release Wednesday, Sept. 19.

Mr. John Martin, president of Omega, has called to our attention certain information contained in the story not based on fact. For example: Paragraph two of the release states: the mine is located "45 miles north-east of Tucson. This should have read "north-west." In paragraph four: "firms certified the iron content at a phenomenal 60% to 68% FE." This should have read: "60% to 68% after separation."

These two inaccuracies, we have been informed, have caused considerable confusion and misunderstanding. They were made innocently enough by the writer whose knowledge of mining, to say the least, is most limited. Therefore, just to set the record straight, this office would like to assume full responsibility for these errors.

Our position now is that we would like to get the matter completely straight. We believe that Omega Mines, Inc. can stand on its own.

We feel, after a personal visit to the property, that the story of Omega Mines is certainly newsworthy and of keen interest to everyone interested in iron ore, particularly residents of Arizona who will benefit the most from a successful operation of this deposit.

The position of officials of Omega is that the facts speak for themselves. Geologists, mining engineers, etc., all persons of high repute in their profession, have made reports on work done at Omega. We share the feeling of Omega that the findings have been of major importance.

It is our intention to contact members of Associated Press, United Press and International News in Phoenix, to correct whatever misunderstandings have occurred. These people undoubtedly will again check with your office. We hope that you will be good enough to appraise objectively for them the reports now in your possession.

Roger Manning - Page 2.

Enclosed you will find a tearsheet from the Los Angeles Herald Express. Mr. Gentle, a veteran newspaperman, respected for his unbiased and objective type of reporting, was one of the several newspapermen who recently visited the property with us, at which time we were also accompanied by Mr. Stanley Secrist.

When my partner, Mr. Henry Levy, and myself are in Phoenix, which we hope will be the early part of next week, may we have the pleasure of calling at your office---just to say 'hello?'

Sincerely,

Joseph Saldana

JOSEPH SALDANA

Saldana, Levy & Associates

Omiga Iron Plant Dep. (F)

12-29-85
Arizona Reserve
Mining & Processing
Co. Inc.

Mr. Fred Patten
U.S. Dept. of the Interior
Bureau of Land Management
Phacal Reserve Area

RECEIVED
BLM, PHOENIX DIST. OFF.
PHOENIX, ARIZONA
JAN 3 1986
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Dear Mr. Patten

I enjoyed talking to you on the property last week. We have received the Dept of Energy Contract for the next 3 years to furnish magnetite for this project at Mercury Nevada. at the rate of 5000 tons per year.

It is our intention to remove this material from the NE⁴ of the NE⁴ of NE⁴ of the SW⁴ of Section 11 - Twp - 850. Rge 11. East. Pinal County by.

We will process the ore by screens & magnetite separation to a dept of 25' then reclaim the area by returning the tails to the pit and reseeding grass to pit area -

I have spoke to Harvey Smith to furnish a registered survey of pit and completion of our intention to mine for your approval.

We will comply with all your Regulations and am looking forward to input you may have to better comply with U.S. regulations. as soon as Harvey Smith has completed his map & pit layout will forward copy to your office

Sincerely yours
Jan Martin pres.

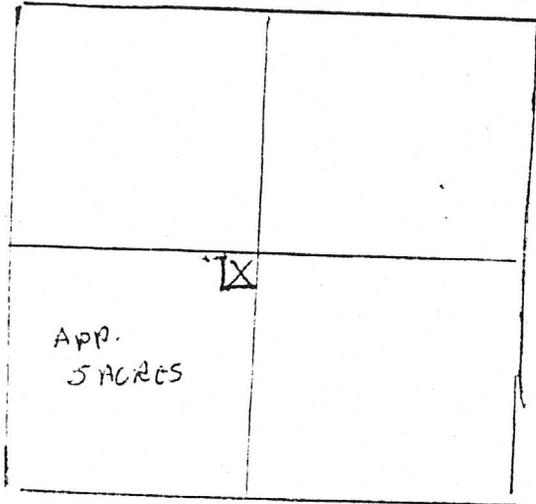
3832 Pasa Tiempo Bl.
Tucson, AZ. 85705

Rough sketch of Plat
w/ Borli

2015 W. Deer Valley Rd
Phoenix, Az. 85017

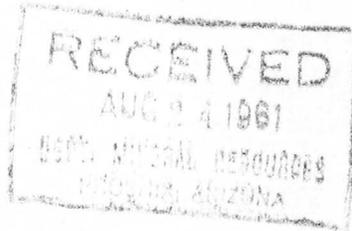
SEC. 11 - T12N - R8E - Rye 11 EAST

PINAL COUNTY AZ



STRICKLAND AND ALTARFER
ATTORNEYS AT LAW
133 EAST ALAMEDA
TUCSON, ARIZONA

ASSOCIATES:
WILLIAM E. STRICKLAND
DARNEY R. ALTARFER



TELEPHONE
MAIN 3-7971

August 23, 1961

Department of Mineral Resources
Mineral Building, Fairgrounds
Phoenix, Arizona

ATTENTION: Lewis A. Smith, Field Engineer

Re: 'Southwestern Iron and Steel Industries, Inc.

Dear Mr. Smith:

In answer to your letter of August 21, 1961, I would like to state that Southwestern is still the owner of the Omega Placer Deposit. On the 8th day of March, 1961, Southwestern leased the above-mentioned deposit along with other mining properties to Pat H. Feeney and Marnel Lindenkugel, doing business as Feeney and Associates. The State leases held in Southwestern's name were subleased to Feeney and Associates with permission by the State Land Department being acquired on the 2nd day of August, 1961. This Mining Lease and Agreement was recorded on the 27th day of March, 1961, in Pinal County; Arizona Docket 288, Pages 284 to 310.

Feeney and Associates formed an Arizona corporation, known as Arkota Steel, Inc. and assigned all their right, title and mining interests into this corporation. At the present time this corporation is mining the properties and processing same at a reduction plant in Cooldidge, Arizona.

In closing, I would like to state that if you require any further information or copies of documents, this office would be more than happy to supply the same.

Very truly yours,

William E. Strickland

William E. Strickland

WES:ajd



STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA



April 12, 1960

Mr. Lincoln A. Stewart, Mining Engineer
United States Bureau Mines,
Box 4097
Tucson, Arizona

Dear Lincoln:

IRON

There are four reported magnetite placers which have been investigated in the past two years, but so far no production has resulted.

The first is about half way between Florence and Oracle Junction. This is known as the Omega deposit, and is owned by Southwest Iron & Steel Industries, Inc., 1016 Valley National Bank Building, Tucson. This deposit was fairly extensively explored and considerable test work was done in a metallurgical way.

The second is the Bauer-Kelly deposit which lies 2 miles south of Hope, and is owned by Paul Bauer (now with the U.S.G.S. in Salt Lake City). It is under tentative option to Ralph R. Langley, 1156 South Highland Avenue, Los Angeles, Calif., who is conducting tests on the magnetite concentrates, with the view of separating titanium which is the only deleterious constituent now known to be associated. He is also studying the cost of making extrusion pellets. Preliminary results have been promising.

Both of these placers run between 3.5% and 5% magnetite.

Silas P. Silverman, 129 W. Maryland Ave., Phoenix, is preparing to mine a large tonnage of gold placer material in the Hassayampa Creek area. This will yield a fairly large tonnage of by-product magnetite. If he handles 1000 tons of placer per day, as now contemplated, he will recover about 75 tons of magnetite concentrates as a by-product. Should Langley develop the Bauer placer, the two men may combine their magnetite to make it easier for both to meet boatload tonnages of 10,000 to 12,000 tons. Of course all of this is still in the formulative stage.

Cactus
S.L. Kelly, 2426 N. (Cactus) St., Tucson, has a magnetite placer in the south part of the Big Horn Mountains, which is similar to the Bauer occurrence. He is also reported to control a large area near Redrock and south of Omega. This material is said to resemble the Omega material. Langley is interested in obtaining the Big Horn deposit should the Bauer deal prove out.