MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE

Contract No. _____ Docket No. 6634

Application
- [ ] Denied
- [x] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and Attachments

Right Side

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam. Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports

- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

Right Side

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with Transmittal, Narrative and Maps

Folders No. _____: Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty Material

72195-65

ALEXANDER H. SCHULLMAN
ATTORNEY AT LAW
SUITE 1830 TRAVELERS BUILDING
3600 WILSHIRE BOULEVARD
LOS ANGELES, CALIFORNIA 90005
386-4711

ALEXANDER H. SCHULLMAN
LESLIE C. BURG

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June 6, 1967

Mr. Frank Johnson
Office of Minerals Exploration
United States Department Interior
Geological Survey
Washington, D.C. 20242

AIR MAIL
SPECIAL DELIVERY

Re: Willard Ibey and Associates
Picacho Placer Mining Property

Dear Mr. Johnson:

Pursuant to your submission to me some time ago, in response to our personal conversation concerning the above matter, in behalf of my clients, the above named, I am enclosing the following:

1. Original and 1 copy of the Application for Financial Assistance in Minerals Exploration, pursuant to public law 85 on MME Form 40, duly filled out and signed by my clients.

2. An original and a copy of Exhibit A, which consists of a narrative explanation of the information required, as set forth on the back of the MME Form 40, and which follows in numerical chronology of the required information so set forth.

3. There is also attached the following, which collates with the interrogatories set forth on the application, and more particularly with the information required with the application:

a. Two copies of the maps of the Automobile Club, which detail the location of the holdings of my clients with specificity.

b. The recorded location notice involving 160 acres, which include the 40 acres involved in the exploration and which shows recordation in the name of Willard Ibey, in Book 1101, page 389, under date of May 21, 1962.

c. The Notice of Amended Location recorded in Book 1143, page 474, showing location of the 15th day of April, 1963, and describing the various claims, in excess of the 40 acres to be explored, but including the same.

d. The Proof of Annual Labor under date of July 18, 1966, and recorded in Book 1230, page 761, on all of the property but including the 40 acres.

e. Two copies of Leases to Willard Ibey and Associates by L. Gordon Hobbs, duly notarized under date of June 4, 1967, and covering the 10 acres as described therein, and included in the 40 acres.

f. Copy of Lease to Willard Ibey and Associates dated June 6, 1967, which lease has been inadvertently unrecorded, due to the absence of Marion McCallen, whose name appears on the lease, showing an additional 10 acres included in the 40 acre exploration involved herein, and which lease we are herewith transmitting to expedite the matter.

The remaining 20 acres are owned exclusively by Willard Ibey and Associates, with no leases involved, and are encompassed in the location notice enclosed.

g. Two copies of Report by Theodore M. Dunkle, dated June 22, 1964, addressed to Mr. Roger Abdo, which also includes a report of the Twining Laboratories at page 3 thereof, an additional letter of November 11, 1965 by Mr. Dunkle to Mr. Ibey, a detailed description in a letter of November 29, 1965, showing the ownership, location, availability, access,and assays which appear on the second and third pages of said letter, and which would be pages 6 and 7 of the enclosure, the assay reports under date of May 21, 1963, which appear on the 8th page of said enclosure, the analysis which appears on the 9th and 10th pages.

h. Two copies of a Preliminary Geology Report, consisting of nine pages, which cover the matter in detail.

i. Two copies of the history and background of Mr. Dunkle.

j. Two copies of the property map, showing the 40 acres to be explored.

Since my clients are anxious to proceed immediately and conclude the matter, I should appreciate your kind and immediate consideration of the application, and, if you will, will you kindly correspond directly with me, so that if any questions remain unanswered, or matters to be done, we can quickly resolve them, and transmit them to you.

In addition, if you so desire, you may call me collect, so that we may mutually arrange to consummate this matter, since

exploration herein seems to be a simple matter, but one with which we would like to have the Government join with my clients, since my clients feel sincerely there are vast and valuable holdings involved, which may be utilized to the mutual benefit and profit of my clients and the Government.

If desired, I shall be happy to come with my clients to Washington, so that we may conclude the matter and enter into a contract pursuant to the provisions and regulations, concerning which I have advised my clients.

At any rate, I shall telephone within about 8 or 9 days, so as to attempt to chart this matter with your office as soon as possible.

Respectfully submitted,

ALEXANDER H. SCHULLMAN

AHS:mm
Encls.

MME Form 40
Jan. 65

Budget Bureau No. 42-R1508
Approval expires Dec. 31, 1968

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85–701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

~~Picacho Placer Mining Property~~
Willard Ibey and Associates
2510 West 177th Street
Torrance, California 90504

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: 6634
DATE RECEIVED: 6-8-67
REGION: II
DIVISION CODE:

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [ ]
- CORPORATION [ ]
- PARTNERSHIP [XX]
- OTHER *(Specify)* [ ]

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Willard Ibey	2510 W. 177th St., Torrance, Calif.	Partner
Edgar H. Cude	12102 Gurley Ave. Downey, Calif.,	Partner
Charles Brenner	3615 W. 104th St., Inglewood, Calif.	Partner

STATE IN WHICH FIRM IS ORGANIZED: California

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Gold, Silver, Tungsten

ESTIMATED COST OF PROJECT: $ 5,000. Maximum

PROPERTY NAME: ~~Willard Ibey and Associates~~ Picacho Placer Mining Property

LOCATION — COUNTY: ~~El Centro~~ Imperial — STATE: Calif.

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Office of Minerals Exploration, Department of the Interior,* ~~Washington 25, D. C., or with the nearest OME Field Office.~~ Washington, D. C., 20242, or with the nearest OME Field Office.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

June 6, 1967
DATED

WILLARD IBEY AND ASSOCIATES
Charles Brenner
CHARLES BRENNER BY *(Signature)*

Partner
TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades and sampling methods used. Support your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of [illegible]ings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

(Exhibit A)

INFORMATION WITH APPLICATION OF
WILLARD IBEY AND ASSOCIATES
FOR FINANCIAL ASSISTANCE IN MINERAL EXPLORATION
EXHIBIT A OF MME, FORM 40
June 6, 1967

(Narrative Information Follows the Numbered Requirements On the Back of the Application Seriatim.)

1. Financial Eligibility:

(a) There has been no previous application or request for loan for the past two years.

(b) There are no affiliates or parents or controlling companies or organizations involved.

(c) Our costs of the exploration work consisting of one-half of either $2,500 or $5,000., to wit: $1,250 or $2,500 will be furnished by an individual who has agreed to become an associate with us, and will advance the funds for such purpose, upon approval and acceptance expeditiously of this application by the United States Department of Interior, Geological Survey.

His name is Maxwell Miller, 12424 Magnolia Blvd., North Hollywood, California.

2. Applicant's Rights in Land:

(a) The interest of applicant in the land is by location notices, and locating the land for mining claims, pursuant to, and specifically in accord with all rules and regulations set forth by the Government; in addition, applicant sold some of the claims in so far as the land itself is concerned, and secured leasebacks for mineral rights of 90% of the yield, so that 10% thereof will be paid of the yield realized from the location claim of land, to which an individual or individuals will have quit claim deeds. (Leases described in transmittal letter).

(b) The book and page numbers of all the property involved, it being understood that for the purpose of exploration, applicant is utilizing only 40 acres, all of the land being in a geological formation, so that the yield on 40 acres involved herein, will represent exemplars of the yield on the remaining property, are as follows:-

Book 1141, page 142.	Book 1101, page 490.	
Book 1143, page 474.	Book 1101, page 389.	Book 1101, page 491.
Book 1101, page 485.	Book 1143, page 474.	Book 1101, page 486.
Book 1101, page 487,	Book 1101, page 485.	Book 1101, page 490.
Book 1101, page 484.	Book 1101, page 491.	Book 1101, page 389.

Book 1101, page 548. Book 1101, page 482. Book 1101, page 549.
Book 1101, page 483. Book 1101, page 544. Book 1101, page 545.
Book 1101, page 546. Book 1101, page 547.
Book 1143, page 475. Book 1135, page 15. Book 1143, page 476.
Book 1143, page 477. Book 1135, page 13. Book 1135, page 14.
Book 1141, page 143. Book 1141, page 145. Book 1141, page 146.
Book 1141, page 144. Book 1205, page 466. Book 1200, page 129.
Book 1202, page 321.

The legal description is as follows:-

Section unknown; township, 13 South Range, 22 E. There are no patents. The land upon which applicant wishes to explore (unpatented) consists of 40 acres as follows:

1. CR. No. 45 at Book 1143, page 474 as recorded;

2. CR. No. 8 as recorded in Book 1101, page 389 in the records.

All the adjacent land which applicant owns and controls represents claims located in 160 acre parcels with surveying having been completed in 10 and 20 acre plots as marked.

All adjacent land is owned by applicant and is as follows:

W.I. No. 3, Book 1202, page 321. W.I. No. 2 Book 1200, page 129. Riverview. Group 1. Book 1205, page 466.
SR. No's. 4, 5, 6, 7, 8, 9, 10, 11 - Book 1141, page 143
SR. No's. 18, 19, 20, 21,23, 24, 25, 26. Book 1141, page 143
SR. No. 27. Book 1141, page 146. SR. No's. 17, 22, 28, 29, 30, 31, 32, 33. Book 1141, page 144 (80 acres)
MO. No's. 1, 2, 3, 4, 5, 6, 7, 8. Book 1143, page 475.
MO. No's. 9, 10, 11, 12, 13, 14, 15, 20. Book 1143, page 476.
MO. No's. 16, 17, 18, 19. Book 1143, page 477.
EHC Group No. 1. 1, 2, 3, 4, 5, 6, 7, 8, Book 1101, page 548.
EHC Group No. 2. 1, 2, 3, 4, 5, 6, 7, 8, Book 1101, page 549.
EHC Group No. 3. 1, 2, 3, 4, 5, 6, 7, 8, Book 1101, page 544.
EHC Group No. 4. 1, 2, 3, 4, 5, 6, 7, 8, Book 1101, page 545.
EHC Group No. 5. 1, 2, 3, 4, 5, 6, 7, 8, Book 1101, page 546.
EHC Group No. 6. 1, 2, 3, 4, 5, 6, 7, 8, Book 1101, page 547.
CR. No's. 10, 45, 46, 43, 44, 47, 9, 48, Book 1143, page 474.
CR. No's. 15, 16, 17, 18, 19, 20, 21, 22, Book 1101, page 487.
CR. No's. 41, 39, 37, 35, 34, 36, 38, 40, Book 1101, page 485.
CR. No's. 14, 13, 12, 11, 42, 31, 32, 33, Book 1101, page 490.
CR. No's. 23, 24, 25, 26, 27, 28, 29, 30, Book 1101, page 484.
CR. No's. 59, 60, 66, 61, 62, 63, 64, 65, Book 1101, page 491.
CR. No's. 1, 2, 3, 4, 5, 6, 7, 8, Book 1101, page 389.

All of the above claims are recorded under the name of Willard Ibey and Associates.

(c) There are no liens or mortgages or encumbrances on the land with respect to any of the mineral rights. The entire acreage is approximately 3,620 acres.

3. Physical Description:

(a) We have included maps which show our testing, which have been marked "test"; also spot where applicant had pilot plant. In addition, there is enclosed an automobile club map, which has "x" markings showing the testing and assaying. The automobile map also shows the old Picacho mine which produced several million dollars. There is no production on the property at present.

(b) Applicant's interest has been, and is to obtain the best method of recovery of fine gold on the property involved, owned and controlled by applicant, and to mine the same until the production is exhausted.

(c) There are no records available to applicant as to production and mining data. However, there are records available which can be found in the Los Angeles County Library.

(d) There are being submitted, copies of assay reports and writings of estimated or blocked out ore reserves.

(e) This property is a vast placer property, and there is being submitted several pages on the geological features of the claims.

(f) The basic reasons that applicant advances as there being a certainty of finding ore, is the fact that we have had several engineers on the property, and they all agree that the property is ready and contains vast quantities of gold. Also, by drilling and bulldozing, we have been able to ascertain the vastness of the property. Assay reports are attached.

(g) We are forwarding two copies of maps and geological reports.

4. Accessibility of Property:

(a) The person who will meet the OME representative is Mr. Charles Brenner, 3615 West 104th St., Inglewood, California.

The property is approximately 20 miles north of Yuma, Arizona, on the west side of the Colorado River, in California. There is a good gravel road to the property and markings show the way. It is called the Picacho Mining District, which surrounds the Picacho Mine, as indicated on the enclosed map.

(b) The nearest shipping and supply point is Yuma, Arizona, approximately 20 miles away.

5. Exploration Work:

(a) In accordance with the map attached, it is intended to explore 40 acres, as discussed and set forth above. There have been numerous placer mine diggings in the past years, and the reports indicate that the work was profitable. No existing mine workings at present. Applicant's holdings border Picacho Peak, California.

(b) We recommend that a jeep should be used for access to other roads.

(c) It is our belief that the work should start immediately, because of the value of the holdings and the facility in sampling and assaying. No core drilling would be involved. The work should be finished within one or two weeks maximum. It is estimated that our production should be, as expected, 1,000 yards a day.

6. Experience:

Mr. Ted M. Dunkle, associated with us, is an engineer, and in the operation, has had vast experience in the mining field, and his educational background is enclosed and attached.

7. Estimate of Costs:

None of the alphabetical subdivisions are applicable, nor are any independent contractors involved, since no core drilling is required or involved. The exploration will involve simple surface mining with sampling and assaying. It will require no more than 6 to 8 inches below the soil or overburden. Six or eight bags and simple tools would be sufficient for the purpose. Of course the applicant will have engineering and competent assistance, and the approximate cost should be $150. to $200. a day for salaries for the engineers, the partners physically doing the remainder of the work that may be required.

It is respectfully submitted that upon an expeditious granting of the application for the financial assistance in the exploration in this matter, the results to the Government and the benefits will redound to both the Government and the applicant.

WILLARD IBEY AND ASSOCIATES

By Charles Brenner
CHARLES BRENNER

THEODORE M. DUNKLE
PROFESSOR, LONG BEACH CITY COLLEGE
CONSULTING MINING ENGINEER

GEOLOGISTS REPORTS
MINE EVALUATION AND ASSAYS
MINE DEVELOPMENT ENGINEERING

OFFICE: 4543 COLORADO STREET
LONG BEACH 14, CALIF.
TELEPHONE: HE 0-2928

Aug. 22, 1966

Mr. Louis Fox
12728 Milbank
Sherman Oaks, California

In accordance with your instructions, I am hereby detailing the result of my examination of the Picacho Placer Mine, located in the Picacho Mining District, approximately 20 miles north of Winterhaven, California. The claims inspected were as follows:

W.I. #2	160 acres
W. I. #3	160 acres
Riverview	160 acres
E.H.C. Group	960 acres
M.O. Group	480 acres
C.R. Group	1,120 acres
S.R. Claims	660 acres.

Extensive sampling and testing showed the gold values to extend throughout the property, with values ranging from $0.77 to $17.50 per ton. The average obtained for the property was $3.49 per ton. The values are found in the fine fraction (minus 14 mesh) and upgrading can be easily accomplished by screening.

The work for my Bachelor of Science degree was taken at the University of California at Berkeley. The work for my Ph D was taken at both the University of California in Los Angeles, and at the University of Southern California. I also recieved a fellowship for advanced study at Pennsylvania State University. I have been the Chief Chemist and Mining Engineer for Twining Laboratories of Southern California since 1956.

I have no interest, direct or indirect in the property mentioned and covered in this report.

Theodore M. Dunkle

Theodore M. Dunkle

A PRELIMINARY GEOLOGY REPORT
on
PLACER DEPOSITS
of the
PICACHO PEAK MINING DISTRICT
Imperial County, California
Sonoran Desert Region

By: R. N. Hardy

1962

ABSTRACT --

This study of the Picacho Peak Mining District presents one of the first written accounts of the geology of the alluvium of the extreme southeastern California Colorado River area. There occur in this area alluvial deposits of four distinct ages. Three of these, which are pre-basalt in age, offer evidence that the Colorado River formerly flowed throughout the region.

The Picacho Peak Mining District constituted an important gold mining district at the turn of this century. The occurrence of the ore (both Placer and Lode) indicates that it was controlled by the regional structures.

The mineralized alluvial deposits of the region are derived mainly from the surficial detritus which was not only caused by earthquakes and local erosion, but mainly by high water or flash flooding of the Colorado River. This is evidenced by the Delta formation.

This District comprises the beginning of the Colorado River Delta which extends to the Bay of California in Mexico.

LOCATION AND EXTENT OF AREA --

The Picacho Peak Mining District is defined as being a part of the southern Chocolate Mountains, and covers the extreme southeastern part of California. This District lays directly south of the easterly bend of the lower Colorado River. Picacho Peak is the center of the District. The city of Yuma, Arizona,

lays 18 miles directly south of Picacho Peak.

This area encompasses approximately 20,000 acres and is bound on two sides by 12 miles of the Colorado River.

ROUTES OF ACCESS --

An improved County Road leads northward to the town of Picacho, California (on the Colorado River) from Yuma, Arizona.

An improved Park Road connects the west side of the District to the abandoned town of Ogilby, California.

There is a network of unimproved roads throughout the District, leading in all directions, and running between mines, prospects, and the main roads. A 4-wheel drive vehicle is necessary for travelling on these unimproved roads.

PREVIOUS GEOLOGICAL WORK --

Although mining has been carried on in the Picacho District since the early part of the 18th century, no detailed geological maps or reports have been filed on this District. A few brief geological descriptions of the area have appeared within broader surveys of the Region.

PURPOSE AND SCOPE OF THIS REPORT --

The purpose of this writer's geological work in the Picacho Mining District is to assemble general facts regarding the Geology of the mineralized alluvial deposits of the region; and to make a detailed study for a subsequent commercial venture in dry placer processing of these deposits.

From this preliminary study we shall be able to determine to what extent (with regard to cost, equipment, and time) the Exploration Crew will need to be equipped for their work in detailed testing, and evaluation of the various alluvial deposits.

SURFACE FORMS AND DRAINAGE --

The Picacho Peak, with an elevation of 1900 ft., and the adjoining small mountains are low but extremely rugged. The Peak rises sharply above a radial alluvial fan which is continuous with the gently sloping surface of the Colorado River Delta to the south. The north and east drainage from the Peak flows into the Colorado River.

Deep incised valleys and canyons are cut into these radial alluvial fans by this drainage system.

No perennial streams or flowing springs exist in the area.

CLIMATE --

The climate of the Picacho Mining District is typical of the Sonoran Desert Region. According to records kept at Yuma, Arizona, for the past 63 years, the mean annual temperature is 71.9° Fahrenheit, with an absolute maximum of 120° and an absolute minimum of 22°. July is normally the hottest month.

The mean annual precipitation at Yuma, Arizona, is 3.38 inches. Picacho has a mean annual precipitation of approximately 2.1 inches. In summer rain often falls in violent local showers which in a few minutes time can change dry arroyos into raging torrents.

Records kept at Yuma, Arizona, for 63 years indicate a prevailing north wind for the winter months, and a west to southwest wind during the rest of the year.

FLORA AND FAUNA --

On the dry upper rocky mountain slopes, pediments, and alluvial slopes are found scattered barrel cactus, cholla, ocotillo, and creosote. Paloverde and ironwood flourish in the dry washes. In the lower valleys and canyons, where there are rock tanks and charcos (which are able to hold water for long

periods of time) mesquite and reedy grasses maintain a limited existence.

Animals are very scarce in the upper rocky slopes but there is an abundance of small mammals, deer, coyotes, rabbits, lizards, buzzards, hummingbirds, doves and quail. Rattlesnakes are very rare and few insects are present. Seasonally, ducks and geese are found.

Adjoining the north and east boundaries of the District is the Imperial National Wildlife Refuge. This accounts for the abundance of above-mentioned fauna in the region.

HISTORICAL SKETCH --

The Yuma region was first visited by the Spaniards in 1540. Occasionally, explorers and missionaries visited there during the next 225 years. With the establishment of a short-lived settlement from 1780-81 mining was first carried on in this region. Rich placer deposits at the Potholes on the west bank of the Colorado River near the site of Laguna Dam were worked. At the same time mining activity extended to the Cargo Muchacho district, and centered around placer grounds of Jackson Gulch and rich oxidized ores of Madre Valley.

During the period of Mexican occupation American explorers began to take interest in the region of the lower Colorado. After the Mexican war, Yuma assumed importance as a fort and way station along the southern route from the east to California. American miners began to work in the general district.

The end of the Civil War applied a major stimulus to mining throughout the Southwest. Mining was established on a firmer basis with the completion in 1877 of the Southern Pacific Railroad between Yuma and the coast.

There are records of Mining Claims Patenting as early as 1891. There are seven known patented Placer Mining properties of record.

PRODUCTION --

Reliable figures give a minimum total production of almost $2,500,000. Conservative estimates indicate a production of more than $4,000,000 worth of Gold. 90% or more of this production was from Lode mining. Placer production reports are questionable, but were reported to be very rich.

PETROLOGY --

Metamorphosed sediments, granitoid intrusives, volcanics, and alluvium comprise the bulk of the rock which occur in the Picacho Mining District. Since the alluvium is the principle subject of this report, the writer will only list the Igneous extrusive formations present---- Quartz diorite (the main gold carrier), Quartz monzonite, Biotite granite, Andesite, and Olivine basalt.

ALLUVIUM --

In the Area surveyed, there are present at least four ages of alluvium.

The oldest type has been observed in two localities. One is Bear Canyon where the lower portion of the walls which lay on solid granitic structures consist solely of alluvial material. Poorly sorted, angular, or only slightly rounded pebbles and boulders characterize the material. Although occasional boulders attain a size of 2 to 3 feet across, most of the material ranges from 3 to 9 inches in diameter. The fragments are heterogeneous in character. The bulk (about 80%) are of the schist type while the remainder are mostly quartz and granite. Some of the large boulders consist of dense fine grained dumortierite, others are of Kyanite schist.

Because of the great size of the boulders involved, and because of the angular to sub-rounded character of the material, this oldest alluvium appears to have suffered little transportation. On the other hand, this alluvium appears to have an abnormally high

content of schist boulders for which no apparent local source exists. The area of Clip, Arizona, (approximately 8 miles to the north) which is the upstream direction, could conceivably be the origin of this dumortierite and Kyanite schist. The agent which distributed this schist was probably the Colorado River flowing in its long-since abandoned course. However, there may have been several independent local sources which have been eroded away or covered by alluvium.

A second type of alluvium consists dominantly of fine textured sandy sediments. This alluvium is highly cemented and has entrapped a few large well rounded granitic boulders. This flow was the largest and most massive alluvium deposit in the Region. Within most of the canyons and washes the depths of this deposit are well exposed on the wall faces. Many of the exposures measure 100 ft. in thickness. The color of this flowage is a very light gray.

The third type of alluvium consists dominantly of ellipsoidal pebbles lightly cemented within a red coarse textured sand. Magnetite, Specular Hematite, and traces of Marcasite account for 5% of the composition of the coarse textured cementing sands. This also accounts for the red color of this flowage. In many areas this red flowage is exposed not only as a later flowage over the massive light gray sediment showing in canyons, but is well exposed as the surface flowage over large areas. It will be explained later, however, that this is not the last nor is this the true surface flowage.

The ellipsoidal pebbles that are contained in this third alluvium are very constant in their composition, being extremely well waterworn and well sorted. Chalcedony or Jasper, Flint or Chert, and considerable amounts of Quartz compose these pebbles. This material is certainly not local in origin. It is indicated that this alluvium, like the others, was deposited by the Colorado River when it was flowing in its now abandoned course.

The fourth and latest alluvium is the recent slabby angular Gneiss formation locally derived material which covers most of the Radical Pediment and fan areas around the Picacho Peak. To the south of the Peak this alluvium can be seen overlaying all of the red rounded pebble type of alluvium. This south area is the highest point or level of the Colorado River Delta and is consistent therefrom. The area north of the Picacho Peak is non-conforming in its relationship to the Colorado River Delta, for this is the mouth and the beginning point of the formation of the Delta.

A resume of the basic Petrology of the District is listed as follows:

1. Accompanying the granitic Picacho intrusion were hydro-thermal solutions recrystallizing the sediments and locally developing metamorphic mineralization.

2. After the intrusion the area was faulted by thrusts from the south and west. Solutions arose along the faults and mineralized parts of the Area.

3. Minor Andesitic intrusion. Probably tertiary.

4. Erosion almost to the present stage.

5. Deposition of old coarse boulder alluvium.

6. Deposition of light gray fine textured alluvium.

7. Deposition of red rounded pebble alluvium.

8. Basalt flow. Probably quaternary.

9. Erosion to the present stage and development of outwash alluvial deposits.

ECONOMIC GEOLOGY --

Gold is the most important single resource of the District. In the past several large Gold Mines have

been worked. At the present time no mining is being carried on in the area. Copper and Silver were produced along with the Gold in the Picacho Mines.

The gold deposits (Lode and Placer) of the Picacho District are all confined to the northern side of the Area, although some prospects were located in other directions. The northern area had been decidedly the most productive.

ORE --

Two main types of ore are known in the Picacho District. In the most common and extensively worked (Lode or Placer) the Gold was free milling. In the second and less common type the Gold is included in disseminated Pyrites. All of the Gold ore contained some Silver.

MINERALOGY --

Mineral species which occur, or are associated with the metallic ore deposits of the District are listed as follows:

GOLD (native); SILVER (native); PLATINUM (native) and COPPER (chalcopyrite)

IRON (Pyrite) (Magnetite) (Hematite) (Limonite) (Marcasite)

LEAD (Galena); GANGUE (Biotite) (Quartz) (Calcite) (Chlorite) (Fluorite)

GOLD occurs:
1. as microscopic grains through the country rock
2. as wire gold
3. as microscopic replacement or inclusion in Pyrite
4. as Placer nuggets
5. as Placer grains
6. as Placer colors

GOLD PLACERS --

The alluvial gravels of the Little Picacho Wash and the Bear Canyon Wash areas are reported to have yielded rich returns in placer Gold. Pits and dump piles testify that these two alluvial areas were highly productive. At the present time there exist hundreds of thousands of yards of gravel which has not been worked. Rumor has it that these placer deposits were very rich. However, no estimate can be made of their total yield. In both the Little Picacho Wash and Bear Canyon Wash the author assisted in the dry washing of a number of half-cubic-yard gravel samples. These gravel samples yielded approximately $1.75 in free gold per cubic yard average. Most of the gold was in the form of small relatively unworn nuggets. The preponderance of these larger pieces was caused by the loss of the fine colors in the rough dry washing process. In further screening of the tails of our dry washer, and in the rerunning of the tailings on two various occasions the recovery of fine gold was made. No determination as to the value of the fine gold per cubic yard was attempted. This determination can easily be accomplished with further investigation.

The concentrates of Black Sands, after the removal of the free gold (which was accomplished by panning) were assayed to determine the content of locked gold within the heavy concentrate. The three assays reported an average slightly over $100 of gold per ton of Black Sands. This $100 per ton when calculated back to the cubic yard in place gives a value of more than $1.00 per cubic yard.

CONCLUSION --

It is the opinion of the author that this area represents one of the largest and richest Dry Placer Areas within the boundaries of the United States.

I wish to state further that this area represents and possesses more ideal conditions for Dry Placer Mining and Processing techniques than any other area within the boundaries of the United States. I further recommend that, based upon the high economic rating of the potentials of this area for Dry Placer Mining, that further Exploration and Investigation be programmed.

R N Hardy

April 17, 1962

THEODORE M. DUNKLE
PROFESSOR, LONG BEACH CITY COLLEGE
CONSULTING MINING ENGINEER

June 22, 1964

Roger Abdo
14114 Dickens
Sherman Oaks, California

Dear Mr. Abdo:

My examination of the Picacho Placer, near Winterhaver, California on June 6, 1964, showed it to be one of the largest placer properties known. Tests made across the property showed values ranging from $2.00 to $14.00 per yard. The average value of these samples was $3.49. Based on the area examined, which was approximately 9000 ft. by 60,000 ft. with an average depth of 30 ft., the total value of this placer is just under two billion dollars. The Osborne jig, which is on the property for testing purposes, showed that a good recovery can be made with dry processing equipment.

Transportation, water and weather are ideal for this operation.

With present handling methods, the property could be profitably operated if the average value were only $1.00 per yard. This means that a comfortable profit margin can be easily maintained in working this property.

T. M. Dunkle

T. M. Dunkle

TMD:bf

GEOLOGISTS REPORTS
MINE EVALUATION AND ASSAYS
MINE DEVELOPMENT ENGINEERING

OFFICE: 4543 COLORADO STREET
LONG BEACH 14, CALIF.
TELEPHONE: HE 8-2525

Willard Hery & Associates
2510 W. 177th St
Torrance, California

THEODORE M. DUNKLE
PROFESSOR, LONG BEACH CITY COLLEGE
CONSULTING MINING ENGINEER

June 22, 1964

Mr. Willard Ibey
225 Main Street
Yuma, Arizona

My dear Mr. Ibey:

My examination of the Picacho Placer, near Winterhaven, California on June 6, 1964, showed it to be one of the largest placer properties known. Tests made across the property showed values ranging from $2.00 to $14.00 per yard. The average value of these samples was $3.49. Based on the area examined, which was approximately 9000 ft. by 60,000 ft. with an average depth of 30 ft., the total value of this placer is just under two billion dollars. The Osborne jig, which is on the property for testing purposes, showed that a good recovery can be made with dry processing equipment.

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T. M. Dunkle

T. M. Dunkle

TMD:bf

CONSULTING GEOLOGIST
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1514-D NORTH HARPER ST.
SANTA ANA, CALIFORNIA
JEFFERSON 1-2045
JEFFERSON 1-2046

Twining Laboratories of Southern California, Inc.

Inspection and Testing Engineers • Soil Foundation Analysis • Chemical Analysis

August 7, 1964

Mr. Roger Abdo
14114 Dickens Street
Sherman Oaks, California

Dear Mr. Abdo,

In reference to the Picacho placer property, I would like to inform you of the latest developments.

As I have told you, there is no question regarding the gold values -- the only problem was that of recovery.

Since last talking to you, Mr. E. H. Cude, the mining engineer for the placer, has obtained a large trommel screen (36' by 24'). He is currently obtaining a Denver jig and possibly a Bandolier or Pan-American jig. The jig will be followed by a concentrating table and an amalgamation bowl.

This proven system of recovery removes the questions that arise when a dry recovery system is considered.

Sincerely yours,

T. M. Dunkle

T. M. Dunkle

TMD:mc

Willard Shay + Associates
2510 W. 177th St.
Torrance, California

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THEODORE M. DUNKLE
PROFESSOR, LONG BEACH CITY COLLEGE
CONSULTING MINING ENGINEER

GEOLOGISTS REPORTS
MINE EVALUATION AND ASSAYS
INC DEVELOPMENT ENGINEERING

OFFICE: 4540 COLORADO STREET
LONG BEACH 14, CALIF.
TELEPHONE: HE 6-2525

Nov. 11, 1965

Willard Ibey & Associates
1338 Las Lomas,
Yuma , Arizona.

Dear Mr. Ibey;

In my report of August, 1964, I gave the gross value of the 12,000 acres as aproximately $2,000,000,000. Broken down into the value per acre, this gives $166,667.00 It is obvious that 100% recovery cannot be effected, but based on the recovery method that i have discussed with you, you should be able to recover about $150,000.00 per acre.

I understand that you have started in production on the Picacho placers, and are making somewhat better recoveries than the average figure I used. This is not surprising, as the placers are not uniform. I expect you will find much higher values when you get to bedrock.

Very truly yours,

Theodore M. Dunkle

Willard Ibey & Associates
2510 W. 177th St
Torrance, California

3310 AIRPORT WAY
LONG BEACH, CALIFORNIA 90806
426-3355 (L.B.) 636-2366 (L.A.)
828-8432 (ORANGE CO.)
1514-D NORTH HARPER ST.
SANTA ANA, CALIF. 92703
JEfferson 1-2045

INSPECTION & MATERIAL ENGINEERING
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Since 1898

Nov. 29, 1965
Examination CH65-799A

Mr. Joseph M. Wilner
614 Latham Square Building
508 16th St.
Oakland 12, California

Examination of the Picacho Placer property, Picacho Mining District, California.

LOcation

The claims examined, namely EHC 1-6 lie in the Carrizo Wash in the Picacho Mining District, Imperial County, California. The claims are 16 miles north of Winterhaven, California.

Ownership

The claims are held be Willard Ibey and Associates. The Claims were filed in 1962 by Warren Cuny, Margret Cuny, E.H. Cude, Pearl Cude, Willard Ibey, Virginia Ibey, Robert Ibey, and Darlene Ibey. The Claims have all been recorded by the County Recorder Evelyn B. Westerfield. All claims are recorded in Book 1101 as Follows;

EHC#1 Page 548	EHC #4 Page 545
EHC #2 Page 549	EHC #5 Page 546
EHC #3 Page 544	EHC #6 Page 547

The annual Proof of Labor for 1965, in the amount of $5,150 was filed June 28, 1965, Book 1209, Page 1171, and was recorded by the County Recorder.

SCIENTIFIC AFFILIATION OF PRINCIPALS
AMERICAN ASSOCIATION OF ENGINEERS, AMERICAN CONCRETE INSTITUTE, AMERICAN SOCIETY OF CIVIL ENGINEERS,
AMERICAN SOCIETY OF ENGINEERS & ARCHITECTS, AMERICAN SOCIETY OF TESTING & MATERIALS, AMERICAN WELDING SOCIETY,
CONSTRUCTION INSPECTORS ASSOCIATION, NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS, STRUCTURAL ENGINEERS ASSOCIATION.

Willard Ibey & associates
2510 W. 177th St
Torrance California.

Access

The road is paved for the first 4.5 miles, and is a good gravel road to the northern end of the placer property. From there, there is 4 miles of rough dirt road, that would require grading and widening before it would be suitable for heavy equipment.

Water

One spring exists on the property (ENC #1), but as the water table varies from 60 to 81 feet on the six claims, it would not be difficult to develop sufficient water for any scale of operation.

Assays

Four samples were taken on each of the six claims.

Claim	Oz/ ton Silver	Oz/ ton Gold	Value Silver	Value Gold	Total
ENC #1	.07	.03	$.08	$1.05	$1.13
ENC #2B	.15	.11	.17	3.85	4.02
ENC#1C	.11	.10	.13	3.50	3.63
ENC#1D	.20	.09	.26	3.15	3.41
ENC#2A	.20	.31	.26	10.85	11.11
ENC#2B	.14	1.05	.16	36.75	36.91
ENC #2C	.11	.10	.13	3.50	3.63
ENC #2D	.15	.12	.17	4.20	4.37
ENC#3A	.13	.11	.15	3.85	4.00
ENC#3B	.11	.04	.13	1.40	1.53
ENC #3C	.10	.09	.12	3.15	3.24
ENC #3D	.20	.22	.26	7.70	7.96
ENC #4A	.06	.06	.07	2.10	2.17
ENC #4B	.08	.15	.09	5.25	5.41
ENC #4C	.11	.07	.13	2.42	2.55
ENC #4D	.09	.11	.11	3.85	3.96

Willard Shey + Associate
2510 W. 147th St
Torrance California

Assays (Cont.)

Claim	Oz/ton Silver	Oz/ton Gold	Value Silver	Value Gold	Value Total
EHC #5A	.12	.21	$ .15	$7.35	$7.50
EHC#5B	.11	.08	.13	2.80	2.93
EHC #5C	.04	.16	.05	5.60	5.65
EHC #5D	.10	.06	.12	2.10	2.16
EHC #6A	.08	.02	.10	.70	.80
EHC #6B	.20	.14	.26	4.90	5.04
EHC# 6C	.12	.10	.15	3.50	3.65
EHC #6D	.11	.09	.14	3.15	3.29
Average *				$3.59	$3.73

* The average was taken byexcluding samples EHC #2A AND B These samples were high, probably due to coarse gold particles, and would have given a falsely high picture.

Recommended Recovery Process

The gravels should first be trommel screened to 3/8 inch size, then vibratory screened to 16 mesh. Use a Denver jig to recover the coarse values, and concentrate the fine values on a Sutton-Steele air table. Pass the air concentrate through a CarpCo magnetic and electrostatic separator. Amalgamate the concentrate from the Carpco, and pass the tailings over a Stevens wet concentrating table to recover and mercury and unamalgamated gold. The cost per yard on a 300 yard a day operation would be about $0.52. The cost of the full recovery plant, including housing would be about $165,000.

Evaluation

The depth of the placer runs from 25 feet to 95 feet, and for purposes of estimation, an average depth of 30 is used. For the 960 acres, a gross value of $163,200,000 is calculated from the average assay value. This gives an average value of $170,000 per acre. Since the samples were taken no deeper than 6 feet, it is probable that this estimate is low, as the value will increase with depth.

Theodore M. Dinkle

Willard Bley & Associates
2510 W. 177th St
Torrance California

THEODORE M. DUNKLE
PROFESSOR, LONG BEACH CITY COLLEGE
CONSULTING MINING ENGINEER

GEOLOGISTS REPORTS
MINE EVALUATION AND ASSAYS
MINE DEVELOPMENT ENGINEERING

OFFICE: 4543 COLORADO STREET
LONG BEACH 14, CALIF.
TELEPHONE: HE 6-2625

Aug. 22, 1966

Mr. Louis Fox
12728 Milbank
Sherman Oaks, California

In accordance with your instructions, I am hereby detailing the result of my examination of the Picacho Placer Mine, located in the Picacho Mining District, approximately 20 miles north of Winterhaven, California. The claims inspected were as follows:

W.I. #2	160 acres
W. I. #3	160 acres
Riverview	160 acres
E.M.C. Group	960 acres
M.O. Group	480 acres
C.R. Group	1,120 acres
S.R. Claims	660 acres.

Extensive sampling and testing showed the gold values to extend throughout the property, with values ranging from $0.77 to $17.50 per ton. The average obtained for the property was $3.49 per ton. The values are found in the fine fraction (minus 14 mesh) and upgrading can be easily accomplished by screening.

The work for my Bachelor of Science degree was taken at the University of California at Berkeley. The work for my Ph D was taken at both the University of California in Los Angeles, and at the University of Southern California. I also recieved a fellowship for advanced study at Pennsylvania State University. I have been the Chief Chemist and Mining Engineer for Twining Laboratories of Southern California since 1956.

I have no interest, direct or indirect in the property mentioned and covered in this report.

Theodore M. Dunkle

Theodore M. Dunkle

Willard Iby & Associates
2510 W. 177th St
Torrance, California

Telephone Empire 3-3502

Mined Sample Serial 59521-59526

ASSAY REPORT

CHON ASSAY OFFICE

J. V. SADLER, President
W. C. WARNLASS, Vice-Pres. & Treas.
LILY M. HOTTINGER, Secretary
P. O. Box 1628
Salt Lake City 10, Utah

May 21, 1963

Mine Western Machinery Co.
Mineral Testing Laboratory
650 East Fifth Street San Francisco 7, California

RESULTS PER TON OF 2000 POUNDS

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Weight Ozs.	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per C
5-15-63										
Project No IX-L26-285										
9 ft 2896	0.260									
13 ft 2897	0.390									
4 ft 2898	0.110	558								
2 ft 2899	0.070									
1 ft 2900	0.030									
2 ft 2901	0.070									

Willard Guy & Associates
2510 W. 144th St.
Torrance, California

Remarks

Charges $ 15.00

J. P. Sadler

Raymond G. Osborne
LABORATORIES, INC.
Testing and Inspection Engineers

ANALYSIS FOR FREE GOLD

Test made for: MR. E. H. CUDE
11431 State Street
Lynwood, California

Date: 6-10-63

Sample Identification: Gold Placer - 8M
submitted by E. H. Cude

PROCEDURE -

2000 gms of the sample submitted were carefully panned by hand, and the concentrates amalgamated.

The gold recovered was cleaned and weighed.

RESULTS -

	Weight in grams
Heads	2000
Tails	1800
Concentrates	197
Gold	.0082 gms: Value/ton = $2.25-1/2 @ 900 find (est.)

Respectfully submitted,

RAYMOND G. OSBORNE LABORATORIES, INC.

Philip S. Osborne

Philip S. Osborne

pso/s

Willard Shy & Associates
2510 W. 177th St
Torrance, California

Keldon RESEARCH CORPORATION

5440-A STATE STREET SOUTH GATE, CALIFORNIA P. O. BOX 350 LOrain 4-3316

Date : July 30, 1963
Shipper :
P. O. No. :
Spec. :

Mr. E. H. Cude

CERTIFIED REPORT

OUR NO. : 34674-5
YOUR NO.: Placer

SPECIFICATION

GOLD	.07	Oz. Per Ton	Value Per Ton	$2.45
SILVER	.57	Oz. Per Ton	Value Per Ton	.74
		TOTAL VALUE PER TON		$3.19

Respectfully Submitted

KELDON RESEARCH CORPORATION

Paul Martin

Willard Ibey + Associates
2510 W. 177th St
Torrance, California

...nple conforms to specification.

FORM

ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS. AUTHORIZATION FOR PUBLICATION OF OUR REPORTS, CONCLUSIONS, OR EXTRACTS FROM OR REFERENCE TO THEM IS RESERVED, PENDING OUR WRITTEN APPROVAL

Raymond L. Osborne,
LABORATORIES, INC.
Testing and Inspection Engineers

12/13/63

Mr. E. H. Cude
11431 State Street
Lynwood, California

Dear Mr. Cude --

As you will recall on 11/11/63 we met in Yuma, Arizona, and at that time we undertook to clean up and place the Osborne Dry Concentrating Pilot Plant in functional operation. On November 12th we transported the plant to your property and commenced a preliminary test to determine the capability of the device in the field. After the preliminary start-up and adjustment of the machine, we ran for approximately an hour and one-half or two hours of continuous operation with some additional intermittent operation to further adjust and clean out the machine. At the end of the test run, which was limited by the available time, we stopped operation and collected tailings and concentrates produced during the run. As you will recall you took samples of tails and of concentrates and panned both. After panning we both examined tails and concentrates and determined the following:

1. We were unable to discerne any free gold in the tailings, although some may have existed that were too fine to be discernible by eye.

2. We were unable to detect readily the presence of gold in the small quantity of concentrates that were panned although no estimate of values was made.

During operation it my was my opinion that the machine was operating properly and correctly and making the separation for which it was designed. This operation took place with a minimum of adjustment and in a continuous , and in my opinion very efficient manner. I believe that this brief demonstration adequately disclosed the fact that the Osborne Concentrator is a thoroughly practical and thoroughly sufficient device for the problem presented by your property.

Willard Ibey & Associates
2570 W. 17th St
Torrance, California

It is my sincere belief that further testing should be undertaken with a careful record kept of: fuel consumption, both for power and for drying; of values obtained correlated both to location on property and to depth; the screen analysis of the material at the various locations tested on your property; analysis should also be made and record kept of the moisture content found at the various locations over the seasonal periods in which you intend to operate.

With this information available it will be a design matter to build a machine which will optimumly handle your property and will process material at a rate commensurate with values existing in the gravel, company budget, and available volume of gravel in the areas in which you intend to operate.

Very sincerely yours,

RAYMOND C. OSBORNE LABORATORIES, INC.

Philip S. Osborne

Philip S. Osborne

pso/s

LEASE

On Placer Property

KNOW ALL MEN BY THESE PRESENTS, That MARION McCALLEN 2599 EAST PACIFIC COAST HIGHWAY of LONG BEACH County of LOS ANGELES, and state of CALIFORNIA, hereinafter called the party of the first part held and firmly bound unto WILLARD IBEY AND ASSOCIATES 1338 LAS LOMAS of YUMA County of YUMA, and state of ARIZONA, hereinafter called the party of the second part, in the penal sum of TEN (10) Dollars, lawful money of the United States, for the payment of which sum well and truly to be made by the ~~part~~ party of the ~~first~~ SECOND part to the party of the ~~second~~ FIRST part, HIS heirs, executors, administrators or assigns, the party of the first part hereby binds HIM self, HIS heirs, executors and administrators firmly by these presents.

WITNESS HIS hand and seal this 6th day of June 1967

WHEREAS, the above bounded party of the first part, on the day and date hereof, has agreed to lease to the said party of the second part the following described property, situated, lying and being in PICACHO Mining District, in the County of IMPERIAL and State of CALIFORNIA to-wit: PLACER MINING CLAIM ~~TEN~~ TWENTY ACRES (10) KNOWN AS CR NO-6 S/E AND CR NO-8 S/E 600'x750' 600'x750' RANGE 22 EAST TOWNSHIP 13 SOUTH AS RECORDED IN BOOK 1101 PAGE 636 AND BOOK 1101 PAGE 635 IN THE COUNTY RECORDERS OFFICE. EL CENTRO IMPERIAL COUNTY, CALIFORNIA THIS LEASE IS FOR ONE YEAR ONLY. RENEWABLE BY AGREEMENT OF BOTH PARTIES

for the sum of Ten Percent (10%) Royalty GROSS W.O. ~~after cost of production has been deducted~~, which sum is to be paid to the party of the first part, or deposited to HIS credit in the _____ manner following, to-wit: AS DESIRED.

WHEREAS, the said party of the second part further agree, upon the completion of mining of the above-mentioned property, to back-fill the

W. Willard Ibey Associates 2510 W. 177th St. Torrance, California

portions that have been worked.

IT IS MUTUALLY AGREED AND UNDERSTOOD by all parties to this lease that:

1. Part 4 of the second part are to mine all ground that is profitable, and

2. To do the annual assessment work and record same up to the time of making application for patent, and further that part 4 of the second part also agree to pay the cost of filing for the patent of the above mentioned property.

Time is the essence of this agreement, and it is binding on the heirs, assigns and personal representatives of the parties hereto.

Willard Shey

Marion F. McCallum

STATE OF _____)
) ss.
County of _____)

On _____ 19____,
before me, the undersigned, a Notary Public in and for said County and State, personally appeared _____

_____

_____

known to me to be the person___ whose name___ ____ subscribed to the within instrument, and acknowledged to me that ____ executed the same.

WITNESS my hand and official seal,

_____
Notary Public in and for said County and State.

FOR RECORDER'S USE ONLY

Willard Shey Parcel 2510 W. 144th St. Tor California

O.K. 863-4527

L E A S E

ON PLACER PROPERTY

KNOW ALL MEN BY THESE PRESENT, THAT L. Gordon Hobbs
12137 So. Long Worth
of Norwalk County of Los Angeles and State of ~~California~~
hereinafter called the party of the first part held and firmly bound unto Willard Ibey & Associates
of Whittier County of Los Angeles and State of California
hereinafter called the parties of the second part in the penal sum of TEN (10) Dollars lawful money of the United States, for the payment of which sum will and truly to be made by the party of the first part to the parties of the second part, their heirs, executors, administrators or assigns, the party of the first part hereby binds himself heirs, executors and administrators firmly by these present,

Witness his hand and seal this 27 day of Nov 19 62

Whereas, the above bounded party of the first part, on the day of the date hereof, has agreed to lease to the said parties of the second part the following described property, situated, lying and being in Picach Mining District, in the County of ~~Imperial~~ and State of California to-wit: Range 22 E

Township 13 S

CR. #45 South-Eastside 1/2 (10 acres)

The sum of TEN Per Cent (10%) gross profit royalty is to be paid to the party of the first part, or deposited to his credit in the described manner folloing, to-wit:

As Desired

Willard Ibey & Associates 2510 W. 177th St. Torrance, California

WHEREAS, the said part...ies of the second part further agress, upon the completion of mining of the above mentioned property to back-fill the portions that have been worked.

IT IS MUTUALLY AGREED AND UNDERSTOOD by all parties to this Lease, that:

1. Part...ies of the second part os to mine all ground that is profitable, and

2. To do the annual assessment work and record same up to the time of making application for patent, and further that part...ies of the second part also agrees to pay the cost of filing for the patent of the above mentioned property.

Time is the essence of this agreement, and it is binding on the heirs, assigns and personal representatives of the parties hereto.

T Gordon Hobbs

Willard Ibey

STATE OF CALIFORNIA,)
County of Los Angeles) (SS.
On June 4th 1967
before me, the undersigned, a Notary Public in and for said County and State, personally appeared T Gordon Hobbs and Willard Ibey
known to me, to be the persons whose names subscribed to the within instrument, and acknowledge to me that they executed the same.

Witness my hand and official seal,

Anabel Norris

Notary Public in and for said County and State

FOR RECORDER'S USE ONLY

OFFICIAL SEAL
ANABEL NORRIS
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY

ANABEL NORRIS
My Commission Expires Dec. 9, 1967

When Recorded Mail To:

Willard Ibey & Associates 2510 W. 177th St. Torrance California

RECORDING REQUESTED BY

Willard Ibey

WHEN RECORDED MAIL TO

Name W. Ibey
Street Address 517 Maulsby Drive
City & State Whittier, California

48
RECORDED REQUEST OF

'62 MAY 21 AM 10:05
BOOK 1101 PAGE 389
OFFICIAL RECORDS
IMPERIAL COUNTY, CALIF.
EVALYN B. WESTERFIELD,
COUNTY RECORDER

$2.00

Indexed Compared Book and Page

SPACE ABOVE THIS LINE FOR RECORDER'S USE

LOCATION NOTICE

PLACER

NOTICE IS HEREBY GIVEN: That the undersigned, Willard Ibey Association in compliance with the requirements of Chapter VI, Title 32, of the Revised Statutes of the United States and the local customs, laws and regulations, has this day located and claimed the following described Placer Mining Grounds, viz:

160 Acres of Dry Placer in Picacho Wash, as follows:
The following 20-acre plots are located in the following manner:
Beginning with the first 20-acre plot, known as the C.R. No.1, located in Section 35; Township 13 East; Range 22 East, and adjoining Sec.36 on the Southwesterly boundary line; Thence, C.R. No.2, 3,4,5,7 and 8, each adjoining each other on the southwesterly line.

together with all water and timber appurtenant, allowed by law.

THIS CLAIM consisting of 160 acres, shall be known as the C.R. Nos. 1,2,3,4,5,6,7 and 8, to be ~~[illegible]~~ examined Mining Claim. It is situated in The Picacho Mining District, Mining District, County of Imperial, State of California, Section 35, Township 13 East Range 22 East Meridian.

THIS CLAIM may be identified by its proximity to the following natural object or permanent monument, to-wit: This claim lies approx. 2½ miles southwesterly from the Colorado River, in the Picacho Wash.

LOCATED this 11th day of May, 19 62. The date of the discovery and posting of this notice is the 11th day of May, 19 62.

LOCATORS

Willard Ibey	Robert Ibey
Virginia Ibey	Darlene Ibey
Warren J. Cuny	Mary Pearl Cude
Margaret Cuny	E.H. Cude

STATEMENT OF THE MARKING OF THE BOUNDARIES AND OF PERFORMANCE OF DISCOVERY WORK

The markings of the boundaries of the aforesaid Claim as required by Sec. 2303 Public Resources Code, are designated and described as: 4 Major corner posts plainly marked and 10 Center posts, plainly marked.

Willard Ibey Association

Locators W. Ibey
Attorney-In-Fact for the Association

The locator has performed discovery work as required by Sec. 2304, Public Resources Code, as follows:

Sunk one shaft in gravel 10 feet deep, also cleaned out drift on C.R. No.8, at a cost of $200.00.

Locators W. Ibey, Atty-In-Fact for the Association.

Willard Ibey & Associates 2510 W. 177th St. Torrance, California

RECORDING REQUESTED BY
and RETURN TO:
Willard Ibey
517 Maulsby Dr.
Whittier, Calif.

Notice of Amended Location

to be examined

PLACER

Plots CR Nos.10 45 46 43 44 47 *Placer mining claim.* 160 acres
and CR #9 and 48

Know all men by these Presents: *That* Willard Ibey & Associates

has this 15th *day of* April *19*63, *amended, located and claimed, and by these presents do amend, locate and claim, by right of discovery, purchase and amended location, in compliance with the Mining Acts of Congress, approved May 10th, 1872, and all subsequent Acts, and with local customs and laws,* 160 *acres of placer mining ground, said discovery being within the lines of such claim, in the* Picacho Mining *district, County of* Imperial, *State of* California, *and described as follows, to-wit:*

Beginning at the S/E corner of CR No.33 and being the N/W cor. of CR No.10;thence 3000 ft. in a S/Ely direction to a monument, being the S/W cor.Mon. of CR No.45; thence 600 ft. S/Wly to a mon. being the S/W cor.mon. of CR No.9;thence 1500 ft. in a S/Ely direction and being the W/ly center line of CR No.46; 600 ft.from this monument in a S/Wly direction to a mon.,being the S/Wly mon. of CR No.43; thence 3000 ft. S/Ely direction to a mon. being the S/W mon. of CR No.44; thence 600 ft. E/ly and No/ly to a mon. being the CR No.44; thence N/ly 750 ft. and following the CR No.44's easterly line; thence 600 ft. E/ly and north to the S/Ely mon. of CR No.47; thence 1500 ft. N/Wly to the center line of CR No.9, being the N/W cor. of CR No.62; 750 ft.to the western center line of CR No.48; from this monument S/Ely 750 ft. to the S/W cor.mon. of CR No.48; thence 600 ft. E/ly and north to the S/Ely mon. of CR No.48; thence 1500 ft. W/ly and N/ly to a mon. and being the N/E mon. of CR No.48; thence 600 ft. southerly and westerly to a N/eastern mon. of CR No.9; thence 3000 ft. W/ly and N/ly direction to the southeastern corner of CR No.33 thence 600 ft. in a S/Wly direction to point of beginning.

RECORDED REQUEST OF
39
'63 APR 16 AM 11 25
BOOK 1143 PAGE 474
IMPERIAL COUNTY, CALIF.
JOHN W. KENNERSON
COUNTY RECORDER

This being the same placer mining claim originally located on the 15th *day of* April *19*63, *in Vol.* 65 Bk.1101, *of Mines, Page* 486, *in the office of the Recorder of* Imperial *County, State of* California *and known as the* Plots CR Nos.10,45,46,43,44,47 (and CR #9 and 48) *Placer Mining Claim. This further and amended certificate of location is made without waiver of any previously acquired rights, but for the purpose of correcting any errors in the original location, description or record, and conforming to the legal subdivisions of the public survey.*

Willard Ibey	Robert Ibey
Virginia Ibey	Darlene Ibey
Warren J. Cuny	Mary Pearl Cude
Margaret Cuny	E.H. Cude

Witness to posting on ground
Willard Ibey & Associates 2510 W. 177th St. Torrance California.

RECORDING REQUESTED BY
Willard Ibey & Assoc.
AND WHEN RECORDED MAIL TO

ENVELOPE

Name: Willard Ibey
Street Address: ~~P.O. Box 695~~ / 1338 Las Lomas
City & State: Winterhaven, ~~California~~
Yuma Arizona

45 JOHN W. KENNERSON
COUNTY RECORDER

'66 JUL 18 AM 9:09
BOOK 1230 PAGE 761
OFFICIAL RECORDS
IMPERIAL COUNTY, CALIF.

2.00

(SPACE ABOVE THIS LINE FOR RECORDER'S USE)

PROOF OF ANNUAL LABOR

LODE OR PLACER[1]

STATE OF California
COUNTY OF Imperial } ss.

Willard Ibey, being first duly sworn, deposes and says:

(1) At least NINE THOUSAND AND ONE HUNDRED ~~FIFTY AND NO/100~~ ($ 9,150.00---) Dollars worth of labor or improvements was performed or made during the assessment year beginning 12 o'clock noon of the first day of Sept., 19 65 and ending on 12 o'clock noon of the first day of Sept., 19 66 upon the CR Groups, consisting of 1,120 acres and the following claim nos.: Nos. 10, 45, 46, 43, 44, 47, 9, 48, 59, 60, 61, 66, 62, 63, 64, 65, 15, 16, 17, 18, 19, 20, 21, 22, 41, 39, 37, 35, 34, 36, 38, 40. 13, 12, 11, 42, 31, 32, 33, 23, 24, 25, 26, 27, 28, 29, 30. 1, 2, 3, ~~ex~~ 13. 4, 5, 6, 7, 8, 9. SR Group No. 4, 5, 6, 7, 8, 9, 10, 11, 18, 19, 20, 2 0, 21, 23, 24, 25, and 26. ~~SR No. 27~~; SR No. 17, 22, 28, 29, 30, 31 and 32; 1, 2, 3; 12, 13, 14, 15 and 16. MO s. consisting of four hundred acres, Nos. 1, 2, 3, 4, 5, 6, 7 and 8. 9, 10, 11, 12, 13, 14, 15 and 20. 16, 17, 18 and 19. EHC Groups No. 1, 2, 3, 4, 5 and 6. WI No. 2, W.I No. 3 and Riverview Group No. 1.
All group Nos. recorded in the Recorder's office of Imperial County, California.

Mining Claim[s] situated in the Picacho Mining District, County of Imperial, State of California.

(2) Such expenditure was made by or at the expense of NINE THOUSAND ONE HUNDRED FIFTY AND NO/100----------DOLLARS-------, the owner___ of the claim___ for the purpose of complying with the laws of the United States and of the State of California pertaining to annual assessment work.

(3) The labor or improvements so performed or made during said assessment year are as follows: Installing mining equipment, building roads and surve ying and engineering work.

SHERRY F. GOODFELLOW
NOTARY PUBLIC
Los Angeles Co., California
My Commission Expires
December 9, 1967

Willard Ibey & Association
Willard Ibey
(Signature of Affiant)

Residing at 1338 Las Lomas
Yuma, Arizona

Subscribed and Sworn to before me

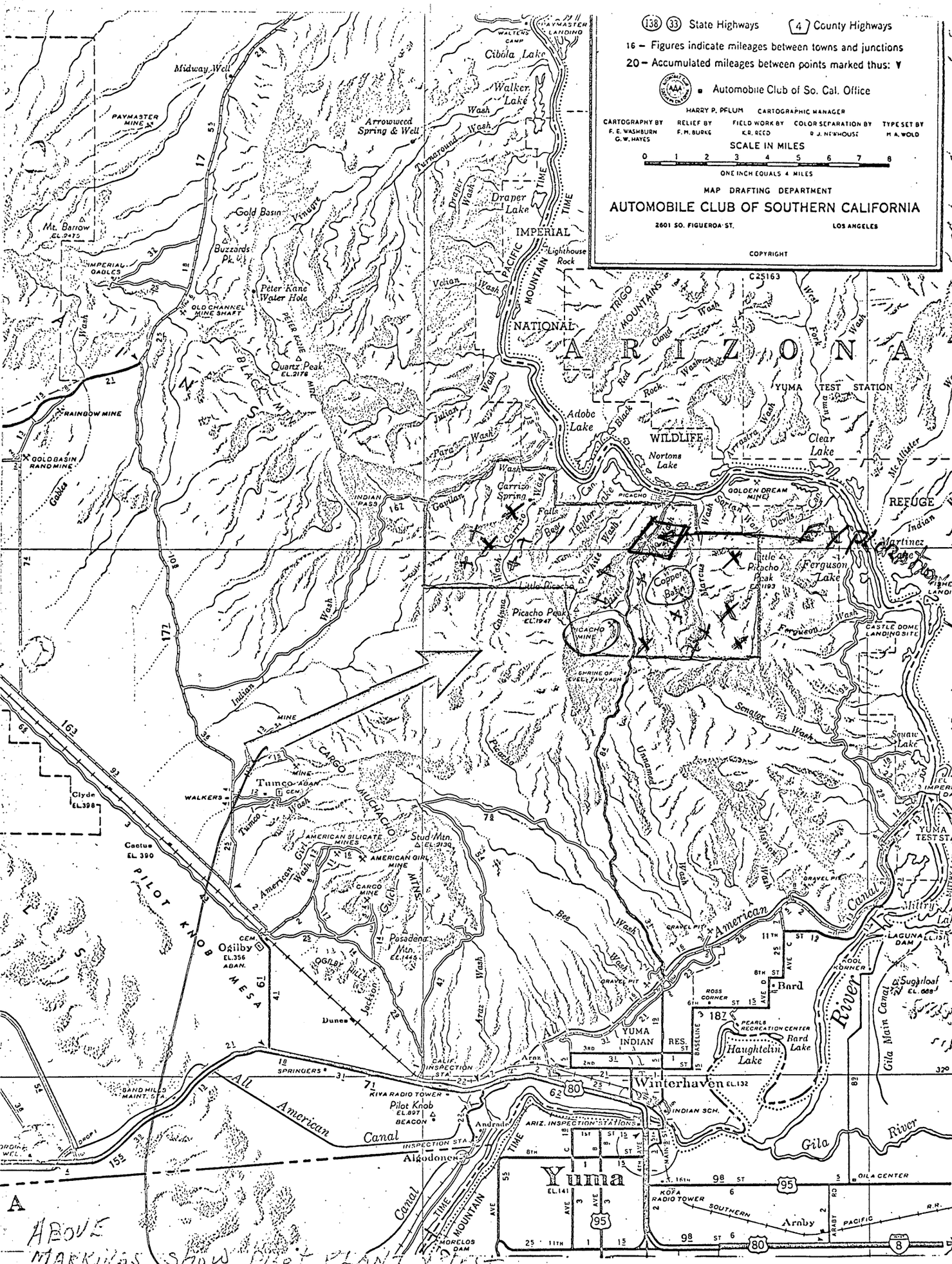
July 15, 19 66

Sherry F. Goodfellow
NAME (TYPED OR PRINTED)
Notary Public in and for said State.

Footnotes 1 and 2: See Reverse Side.

(Seal)

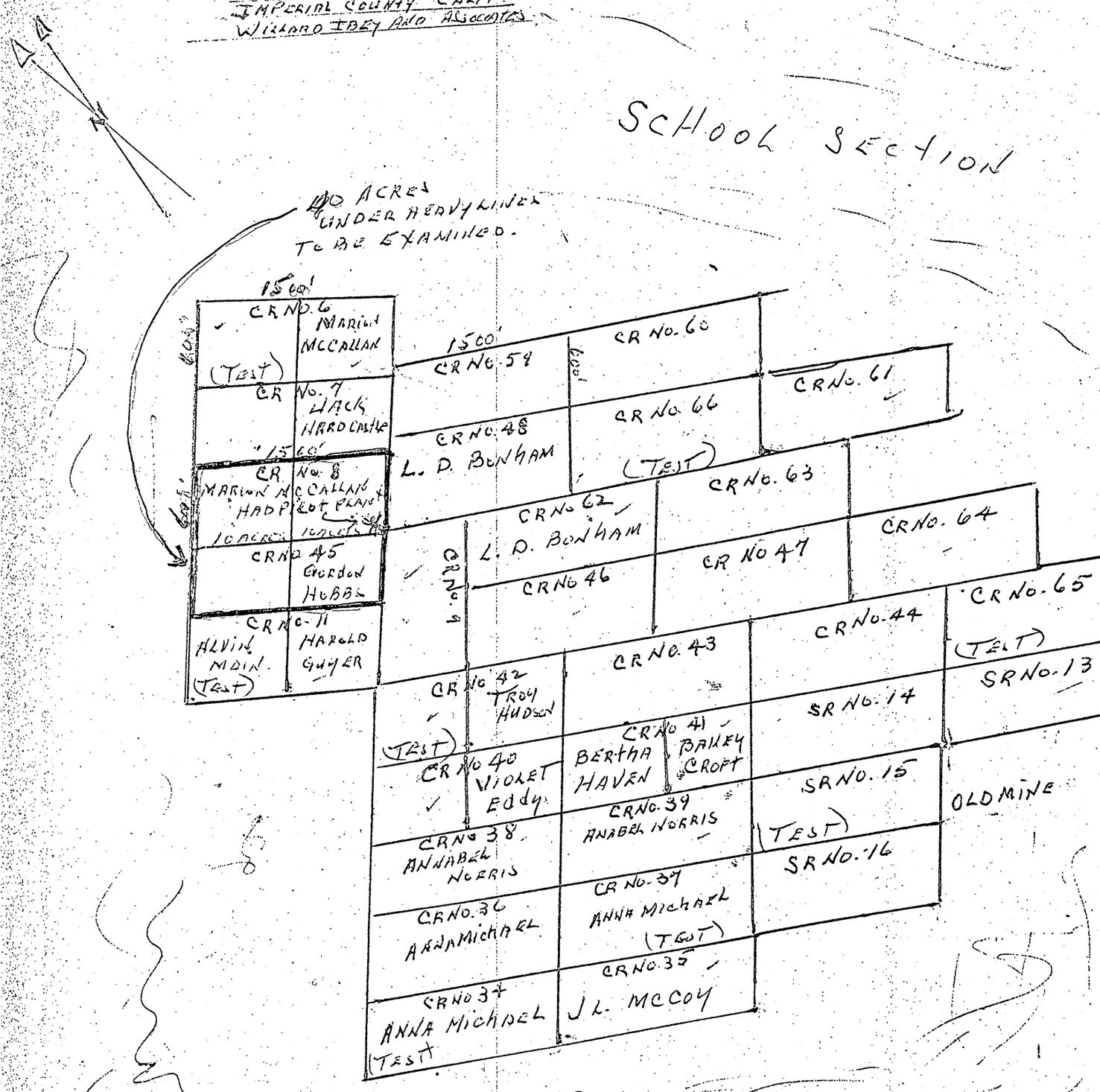
Willard Ibey & Associates 2510 W. 174th St Torrance California



ABOVE MARKINGS SHOW PILOT PLANT TEST

Willard Ibey & Associates 2510 W 147th St. Torrance California

PROPERTY MAP
PICACHO MINING DISTRICT
IMPERIAL COUNTY CALIF.
WILLARD IBEY AND ASSOCIATES



ALL CLAIMS THAT ARE OPEN BELONG TO WILLARD IBEY AND ASSOCIATES. THOSE WITH NAMES ON ARE LEASES. THIS MAP REPRESENTS 640 ACRES. ALL SURROUNDIN CLAIMS BELONG TO WILLARD IBEY AND ASSOCIATES.

Willard Ibey & Associates 2510 W. 177th St. Torrance, California

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
9/29/67	Peterson	120
9/29/67	Kirkham	120
		110
		220

September 29, 1967

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6634 (Gold, Silver, Tungsten)
Willard Ibey and Associates
Picacho Placer Mining Property
Imperial County, California

The Applicant has not replied to our letter of August 29, 1967. Accordingly, the subject docket is referred to the inactive file and the application considered as having been withdrawn.

Frank E. Johnson
Frank E. Johnson

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
OME Region II
Mr. Peterson

GLAult/a 9-29-67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/29/67	Peterson	120
8/29	K M Smith	120
		110
		220
		120M

AUG 29 1967

AIRMAIL

Willard Ibey and Associates
2510 West 177th Street
Torrance, California 90504

Re: OMX-6634 (Gold, Silver, Tungsten)
Willard Ibey and Associates
Picacho Placer Mining Property
Imperial County, California

Gentlemen:

We have not had a reply to our letter of July 28, 1967. If you require additional time to prepare the information previously requested, please let us know. If we do not receive a reply from you within thirty days from the date of this letter, we will assume that you are no longer interested in proceeding with your application and shall consider it as having been withdrawn.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
OME Region II
Mr. Peterson

ECPeterson/gla 8-29-67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
7/28/67	On leave	120
7/28/67	Skrbomo	120
		110
7/28	CAC	220
		120M

AIRMAIL

JUL 28 1967

Willard Ibey and Associates
2510 West 177th Street
Torrance, California 90504

Re: OME-6634 (Gold, Silver, Tungsten)
Willard Ibey and Associates
Picacho Placer Mining Property
Imperial County, California

Gentlemen:

On June 28, 1967, we wrote you outlining certain information which is necessary to continue the processing of your application. To date, we have not had a reply to our letter. Will you please advise us of your plans regarding the application. If you have decided not to pursue it further, will you please so inform us.

Sincerely yours,

FRANK E. JOHNSON (gla)

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
OME Region II
Mr. Peterson

ECPeterson/gla 7-28-67

23263

Form 7
(2/63)

NOTE: When addressing Applicant again, delete "Picacho Placer Mining Property" (as shown on application) from address, as it appears in the subject caption.
to typist
gla

OFFICIAL FILE COPY

Date	Surname	Code
6/27/67	Peterson	120
	Kirkham	120
		110
6/28	CL	220
		120M

AIR MAIL

JUN 28 1967

~~Picacho Placer Mining Property~~
Willard Ibey and Associates
2510 West 177th Street
Torrance, California 90504

Re: CMC-6634 (Gold, silver, tungsten)
Willard Ibey and Associates
Picacho Placer Mining Property
Imperial County, California

Gentlemen:

A preliminary review of your application for exploration assistance shows that additional information is needed before we can continue its processing.

The required information listed under Item 1(a) of the application form includes furnishing copies of the Applicant's correspondence with two banking institutions requesting the amount of loan needed and their replies. As this requirement cannot be waived, we suggest that you submit applications to the banks and furnish us with copies of the correspondence involved.

As you do not own the property where work is contemplated (claims CR No. 8 and CR No. 43 as shown on the map submitted), we would require Lien and Subordination Agreements signed by Marion McCallen and L. Gordon Hobbs, owners of the properties. If the agreements cannot be obtained, we must have your assurance that a Performance Bond covering the Government's share of the estimated cost of the work would be furnished by the partnership in the event of a contract. Lien and Subordination Agreements (12 copies MMM Form 32) are enclosed for your possible use.

The proposed work should be described fully, indicating the geologic targets you wish to explore and how you propose to explore them. Detailed estimates of the necessary costs for each item of the work must also be supplied as required under Item 7 of the application

23263

form. This should include cost of equipment, labor, assaying, supervision, etc.

The assay reports submitted include no information pertaining to the location of samples taken, how sampled, and sample widths. This information should be furnished for the CR No.8 and CR No. 45 claims where exploration work is proposed. Also, please clarify why you propose to test only the top 6 to 8 inches of the placer. In the reports submitted, the average depth of the mineralized ground is given as 30 feet, and testing only the surface would not be an acceptable program.

This request for additional information should not be construed as a commitment by the Government to grant an exploration contract. We shall hold the further processing of your application until the requested data are received.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

Copy to: Mr. Alexander H. Schullman
(Airmail) Attorney at Law
Suite 1830 Travelers Building
3600 Wilshire Boulevard
Los Angeles, California 90005

cc: Director's Reading File
Division File
Econ. Geol. File
OME Docket
OME Reading File
OME Region II
Mr. Peterson

ECPeterson/mch 6-27-67
Rewritten: ECPeterson/gla 6-28-67

June 8, 1967

Willard Ibey and Associates
2510 West 177th Street
Torrance, California 90504

Subject: OME - 6634

Gentlemen:

Your application for exploration assistance, dated June 6, 1967, submitted to our office at Washington, D. C., has been assigned Docket No. OME-6634.

Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to R-II with copy of application.