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FOR
EXCEL-MINERAL COMPANY, INC.

*California Gulch

DESCRIPTION The Bend Placer Claims consist of 3-160-acre placer claims belonging to Clearl D. Kilgore and Don Snodgrass. Laura is a 20-acre patented mining claim owned by Kerr McGee, and San Pedro is a 20-acre patented mining claim owned by the Flying X Ranches of Arivaca. All are situated in the drainage channel of California Gulch. The owner of Flying X Ranches, Inc. is Dale Smith. All owners have been contacted and negotiations are now underway. Kerr McGee may prove to be too difficult to deal with, but is not essential to the overall program or the economic viability.

NAME OF PROPERTY *
Bend Placer Claims and San Pedro & Laura Pat.Mng.Claims
TYPE OF OPPORTUNITY
Gold - Placer
LOCATION Portions of Sec. 29, 30 & 31, T23S, R11E, Oro Blanco Mining District, Santa Cruz County, Arizona
OWNERSHIP
Clearl D. Kilgore and Don Snodgrass; Kerr McGee; Flying X Ranches, Inc.

BACKGROUND

The Oro Blanco District produced an estimated 127,000 oz. of gold and 4.6 million oz. of silver through 1972, mostly from lode mines. At present there are several small lode deposits being worked, but little information is available on their production or grade. California Gulch placers were worked prior to 1900, but little solid information is available.

POTENTIAL

The possibility exists of developing several million cubic yards of ore grade material (0.02 oz. Au to 0.05 oz. Au/cu. yd.). Hand panning reveals significant gold colors, widely dispersed on the surface in the channel area. These indications at the surface offer the potential possibility of higher grade coarse nuggets just above bedrock and merit a comprehensive sampling program.

RECOMMENDATIONS

Phases 1 and 2 are almost completed and property negotiations are underway. A comprehensive sampling program to determine the cubic yards and grade of gold-bearing material should be done. Limited surface and pit sampling of the channel and mapping will cost about \$20,000 (Phase 3 - See the attached sheet). Phase 4 will commence if Phase 3 is encouraging, and will be an extensive sampling program involving 1-2 months, at an estimated cost of \$40,000.

Non Confidential

Submitted for consideration

Confidential

Accepted _____

Date _____

BY: E.G.H. and Dan Lewis

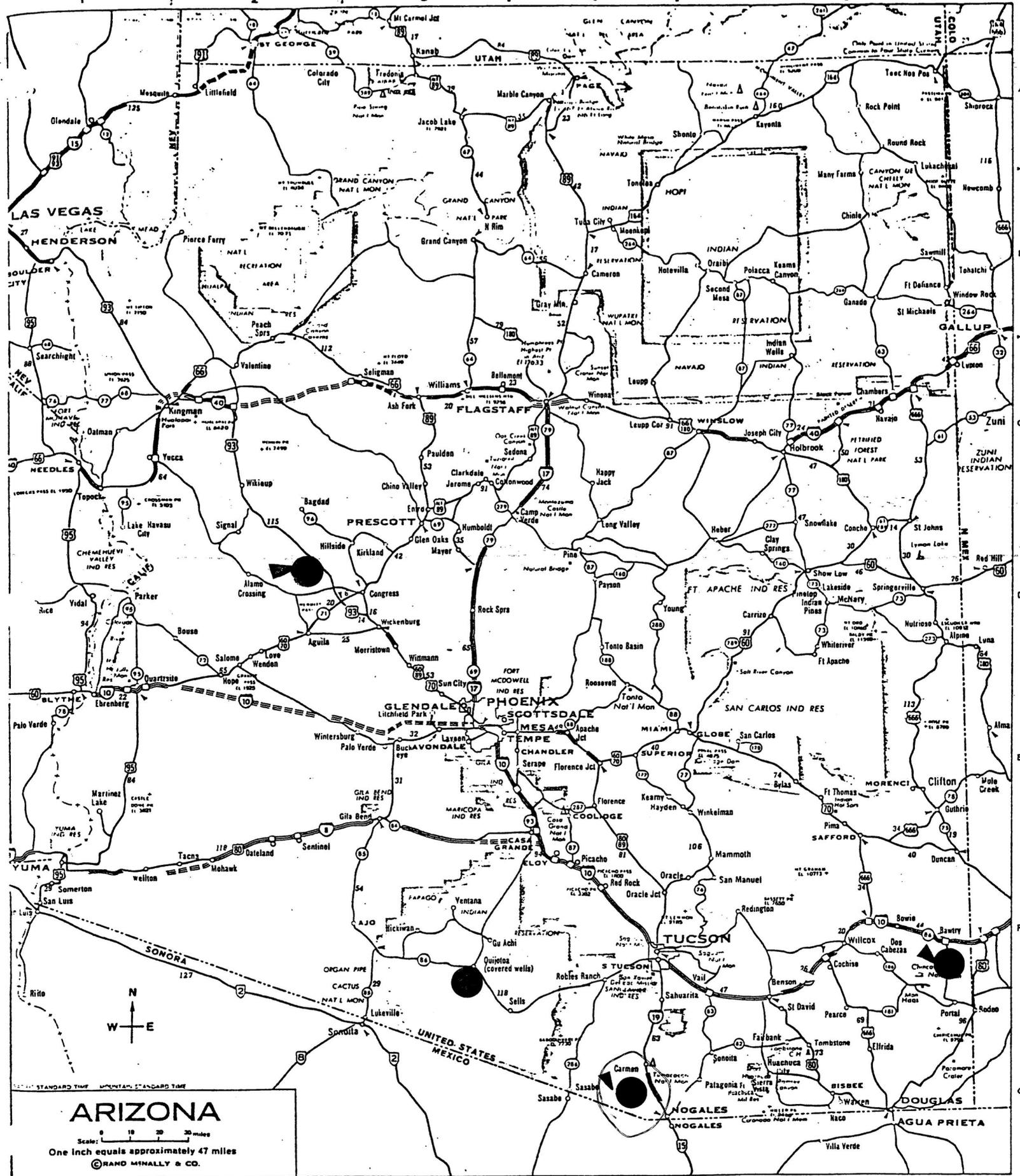
DATE: 6-7-83

The details of the proposed budget to evaluate the economic potential of the California Gulch Placers are as follows:

PHASE 3

Rental of Trommel plus crew, 8 days @\$250.00/day:	\$ 2,000.00
Auxiliary process equipment (Gold Hound):	850.00
Backhoe rental, 8 days:	828.00
Truck and Lowboy Trailer, 2 days plus mileage:	187.00
Operator for Backhoe and Truck, plus fuel:	1,000.00
Vehicles for crew transportation and access:	2,550.00
Camping, food and lodging for all personnel:	700.00
Technical personnel supervision:	1,950.00
Crew salary:	2,000.00
Drafting and report:	1,500.00
Surveying and mapping:	2,550.00
Aerial photography:	700.00
Property payments @\$1000.00/month estimated:	1,000.00
Contingencies:	<u>1,600.00</u>
TOTAL	\$19,415.00

Time: 1 - 2 Months

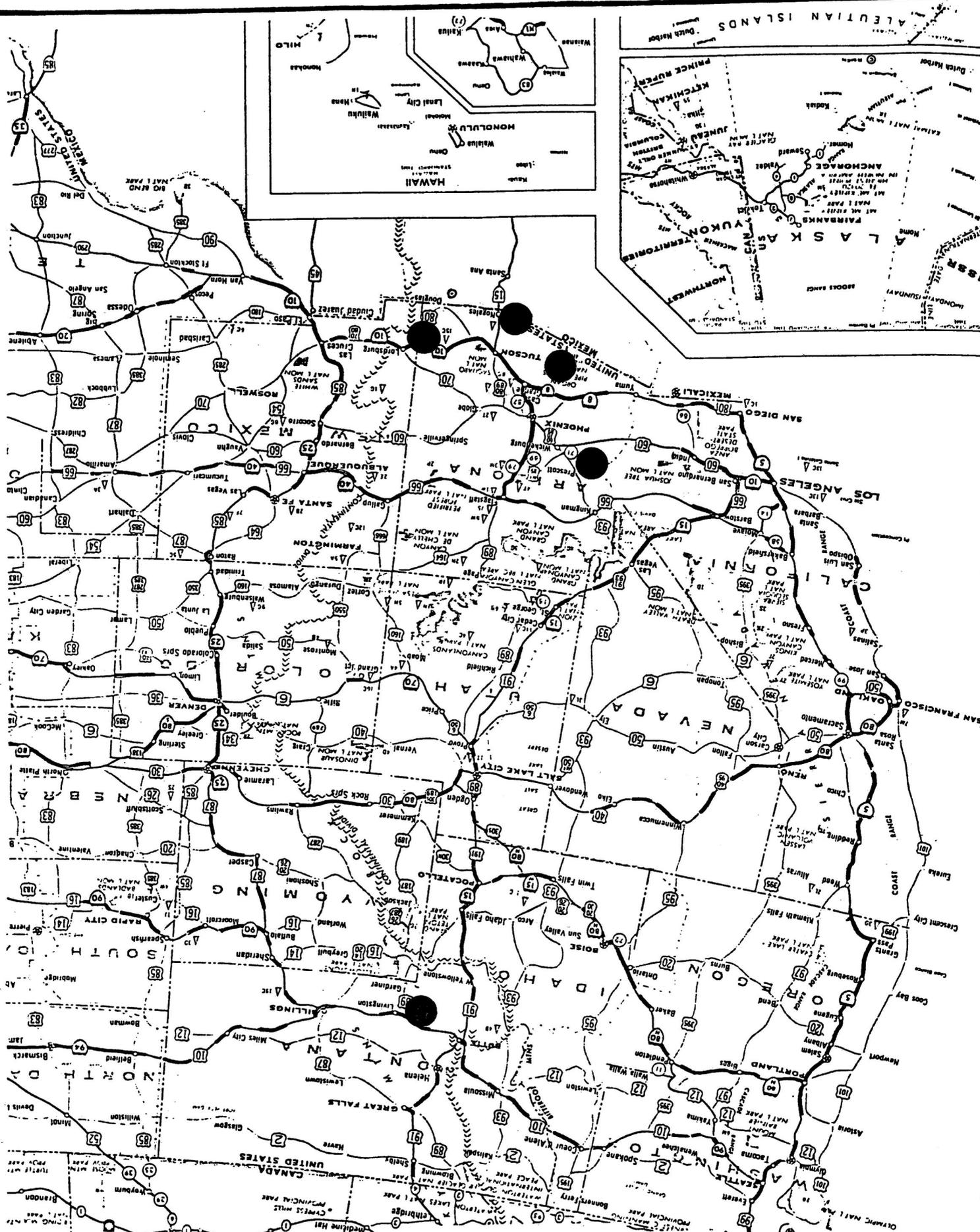


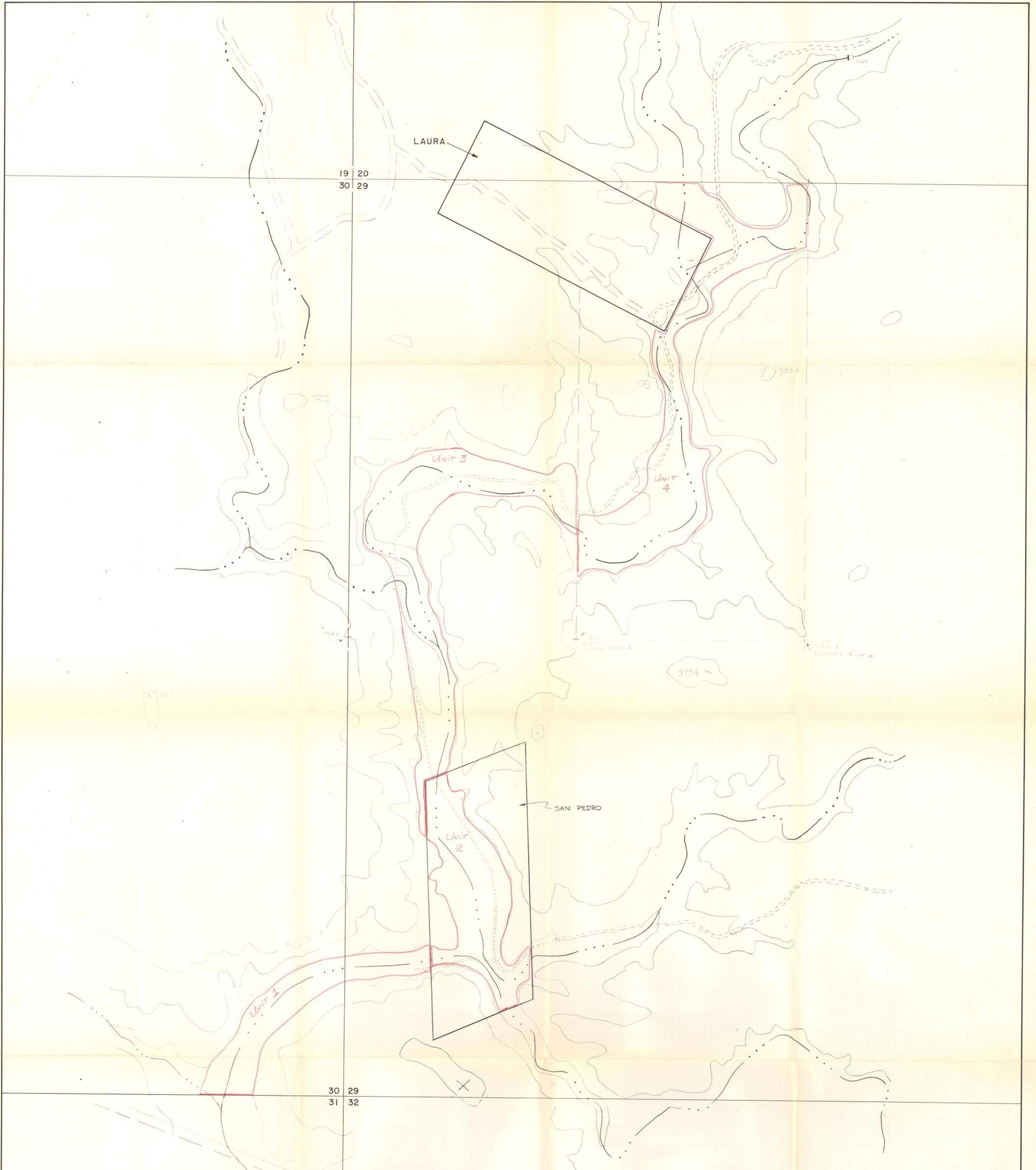
MINERAL OPPORTUNITY REPORTS

INDEX MAP FOR

KERLEY INDUSTRIES, INC.

MATCHEWAN

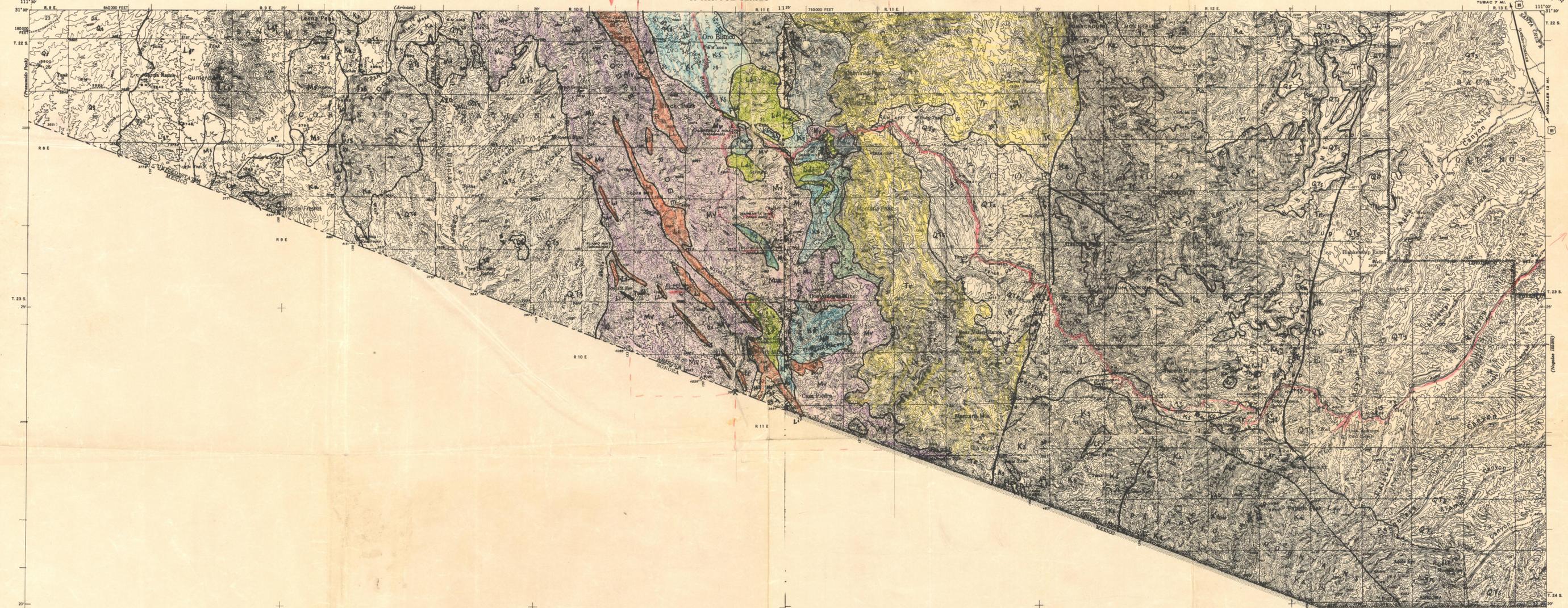




- Unit 1 6.7 ac.
- 2 9.06 ac.
- 3 15.19 ac.
- 4 16.44 ac.
- 47.39 ac.

$47.39 \times 4840 \text{ yd./ac} = 229,368 \text{ yd.}$
 $229,368 \times 3 \text{ yd. deep} = 688,103 \text{ cu/yd.}$
 $\text{ " } \times 4 \text{ yd. deep} = 917,472 \text{ " "}$
 $917,472 \times .03 \text{ Au/yd. @ } 400/\text{oz.} = 11,009,664$
 $\text{ " } \times .02 \text{ " " " " } = 7,339,776$

CALIFORNIA GULCH PLACER PROJECT
 SANTA CRUZ CO., ARIZONA
 FOR
PAUL W. O'MALLEY
 BY
E. GROVER HEINRICHS & ASSOCIATES
 1802 W. GRANT RD., SUITE 110-4, TUCSON, AZ. 85705



Ldi = Laramide diorite porphyry
Li = Dikes and plugs, granitic to dioritic
MV = Mesozoic volcanics
KS = Cretaceous shales, conglomerate & limestone
Ka = andesite, locally includes tuff & agglomerate

Topography by S. C. Kain
Surveyed in 1941-42



Contour interval 50 feet
Datum is mean sea level

Polyconic projection, 1927 North American datum
5000 yard grid based on U. S. zone system, F
10000 foot grid based on Arizona (Central)
rectangular coordinate system

ORO BLANCO, ARIZ.
Edition of 1944
N3115-W11116/15

Topography by S. C. Kain and F. H. Purdy
Surveyed in 1939



Contour interval 50 feet
Datum is mean sea level

Land lines pertaining to part of T. 22 S., R. 11 E.,
are omitted because land plats and topography
can not be reconciled

RUBY, ARIZ.
N3115-W11100/15
Edition of 1942

12/6/2700
5244
copy 1" = 1 mi

October 21, 1962

Mr. Dale Smith
Flying X Ranches, Inc.
P. O. Box 367
Arivaca, Arizona 85601

Re: San Pedro Patented Mining Claim
Sec. 29, T23S, R11E
Oro Fino Mining District
California Gulch Area
Santa Cruz County, Arizona
(See Enclosed Sketch Map)

Dear Mr. Smith:

This letter is a follow-up on my phone conversation with your wife yesterday. On checking the Santa Cruz County records, I find that your company is listed as owner of the above referenced property.

My interest in your property is to attempt to develop the precious metal potential in the area of California Gulch. You, individually, as a property owner, could benefit substantially if a viable discovery is made. Your involvement would entail little inconvenience and no expense.

I also wish to assure you that my interest is sincere and genuine, and I am fortunate to have enjoyed an excellent reputation for honesty and competence in the local mining and business community for the past 25 years.

To pursue this matter further, I would like to meet with you at your earliest convenience at a place of your choice. I look forward to hearing from you.

Sincerely,

EGH:vh
enclosure

E. Grover Heinrichs

CALIF. Gulch

Tremmel + crew

250 / day 3 days =

\$ 2000.00 ✓

Brakehoe

690.00 ✓

+ operator + fuel

1000.00 ✓

Truck Trailer flatbed 2 days + mileage 187.00 ✓

Art ONA

1600.00 ✓

Camping food & lodging

500.00 ✓

Gold hound

850.00 ✓

Clark Arnold

350.00 ✓

Dan Lewis

1600.00 ✓

EOH

2450.00

Mileage Travel

2550.00

Mentls

200.00

Guthrie

400.00 ✓

Pero Survey

700.00

Rattler

200.00

K. Gore & Snodgrass

500.00

Contingencies

1600.00

17,377.00

PILLAR, LOWELL AND ASSOCIATES
CONSULTING MINING & GEOLOGICAL ENGINEERS
5115 NORTH ORACLE ROAD
TUCSON, ARIZONA 85704
(602) 887-5341
TWX 910-952-1172 PLA TUC

L. CLARK ARNOLD
CONSULTING GEOLOGIST

January 19, 1983

Mr. Dan Lewis
1802 W. Grant Road
Suite 110-6
Tucson, Arizona 85745

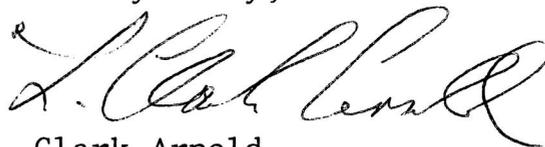
Dear Dan:

Attached please find a sketch map showing results of our preliminary magnetic survey completed yesterday at your California Gulch placer prospect. Variation in total field intensity amounted to only 124 gammas; nevertheless, subtle magnetic highs do appear to be present within the alluviated channel and may reflect concentrations of disseminated magnetite. You are probably in a much better position than I to judge the potential benefit to your program of a more detailed survey of this type.

In regard to collection and processing of large scale samples from the prospect area we would be in a position to oversee this work for you and could arrange for a three man crew and all necessary equipment including backhoe, loader, concentrator, washer, pumps, etc. We estimate that a one time mobilization and demobilization cost would amount to \$2,100 and that operating costs would amount to \$800 per day. We would expect to process at least 60 cubic yards of bank run gravel per 8 hour day using the personnel and equipment described above. Time spent on the project by myself and Art Ona would be charged at our customary rate which is \$350 per day for myself and \$200 per day for Arturo.

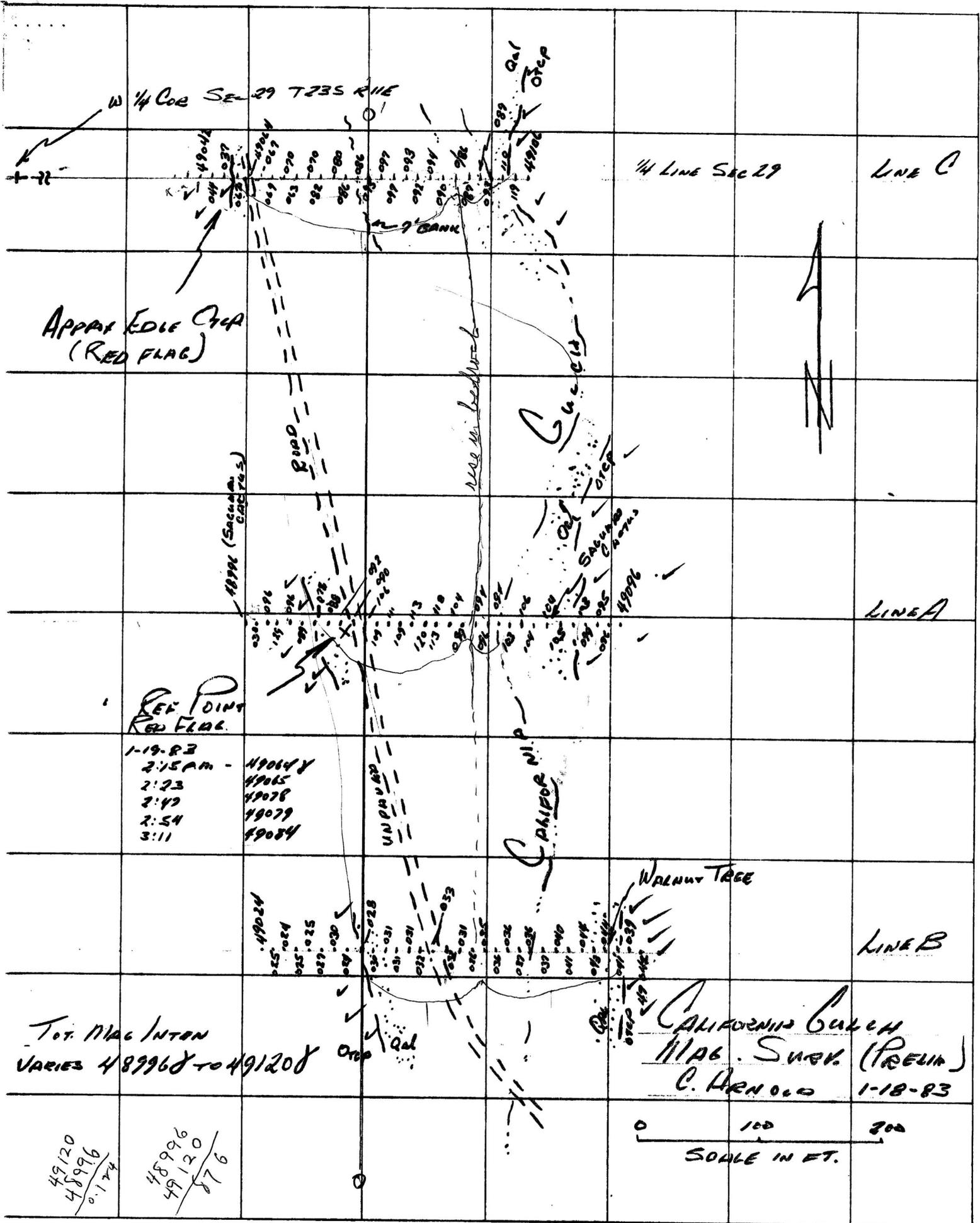
Sample depths in excess of 10 feet or collection of samples at more than 3 locations would necessitate somewhat different equipment and result in slightly higher operating cost.

Yours very truly,



L. Clark Arnold

LCA:sbc
encls.



REF POINT
RED FLAG

1-19-83
2:15 AM - 49064
2:23 49065
2:42 49078
2:54 49079
3:11 49084

Tot. Mac Inton
VARIES 48996 to 49120

WALNUT TREE

CALIFORNIA GULCH
11166 SURV. (PRELIM)
C. ARNOLD 1-18-83

0 100 200
SCALE IN FT.

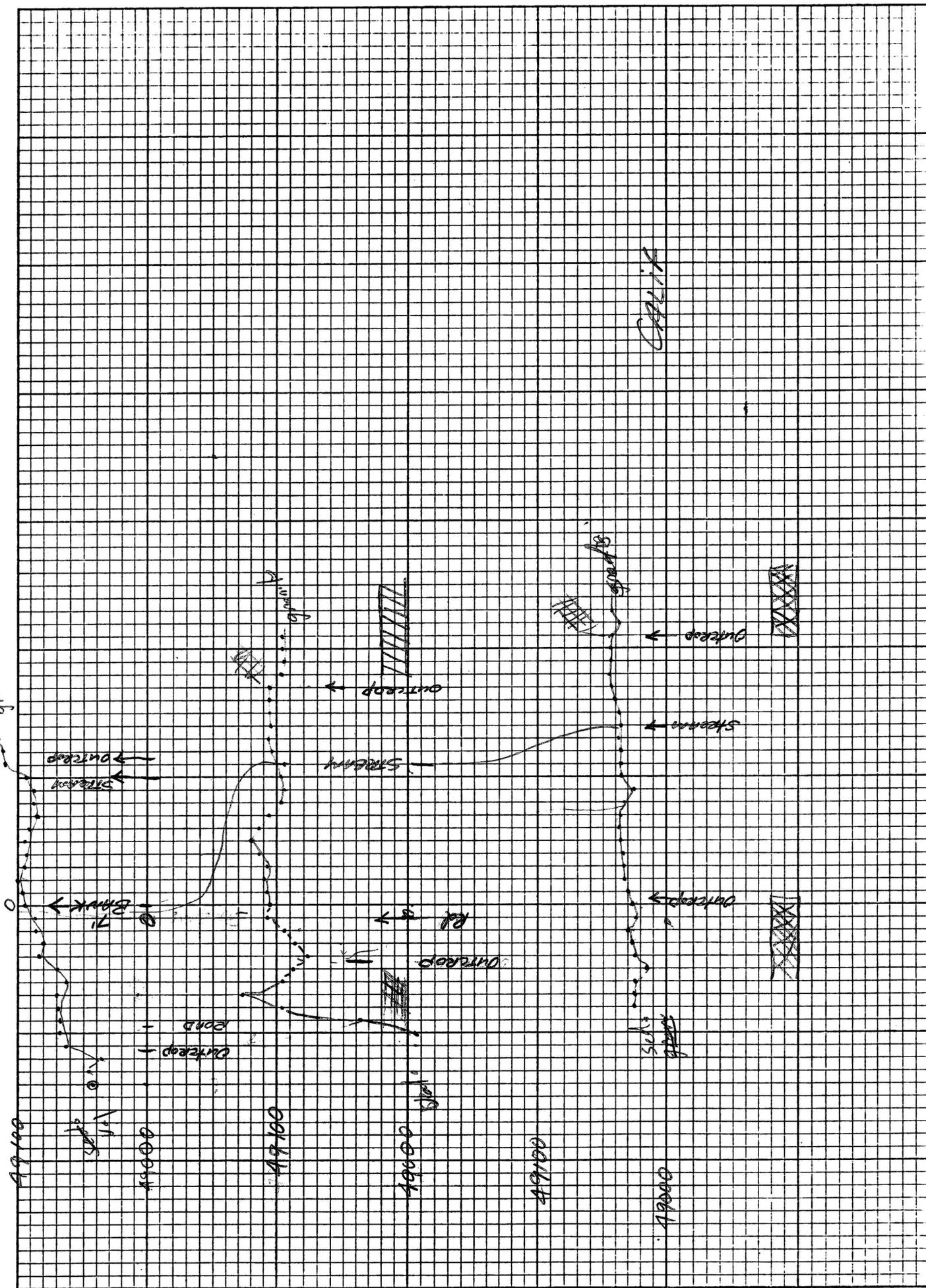
49120
48996
0.124

48996
49120
876

AINE _____ LOCATION _____ LEVEL _____
 GEOLOGY BY _____ SURVEY _____ DATE _____ SCALE _____
 E _____ EL. _____

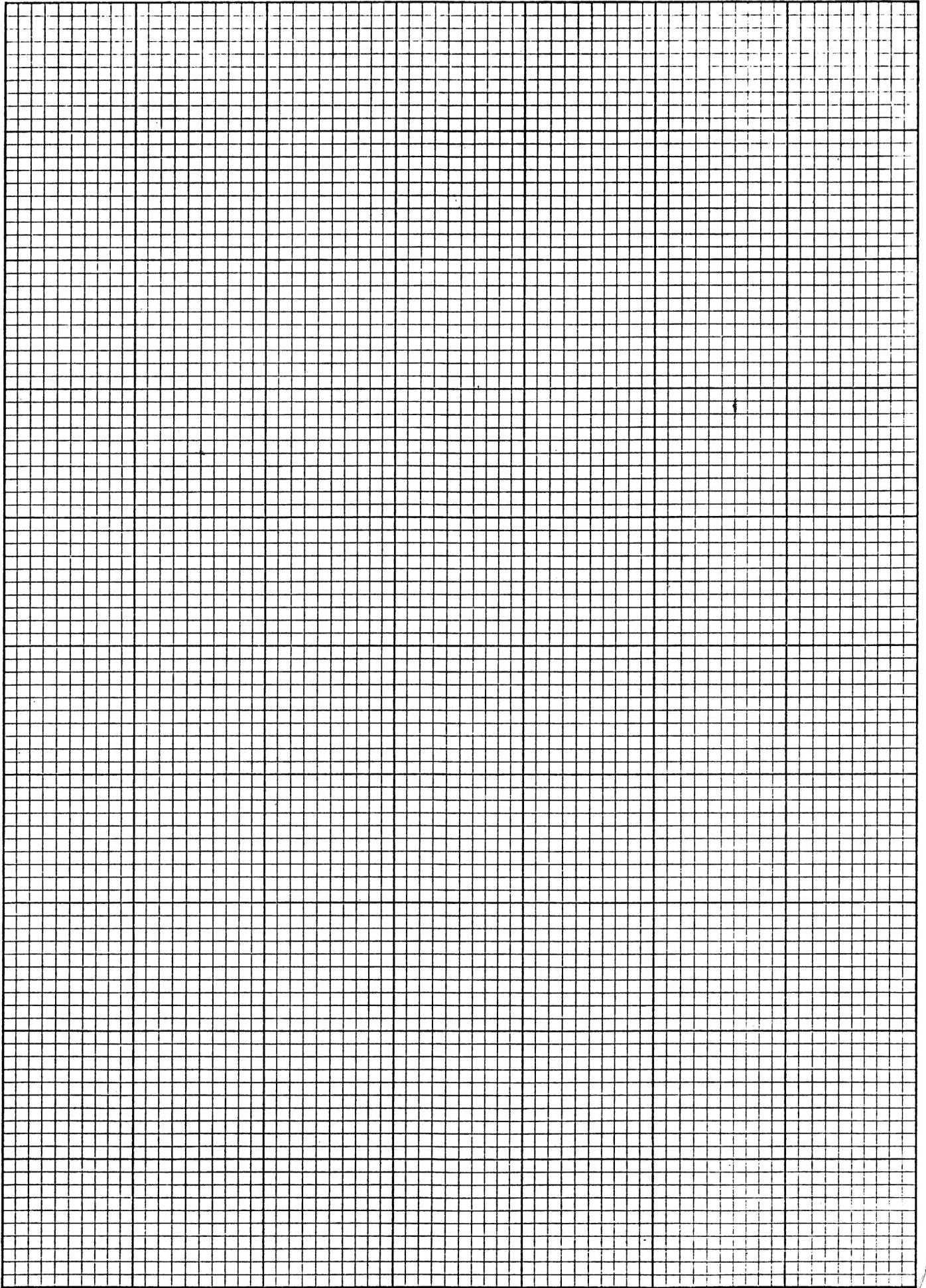
36





100' / " H " .001
1008' / " V

KE 10 X 10 TO THE INCH 46 0702
7 X 10 INCHES MADE IN U.S.A. •
KEUFFEL & ESSER CO.





E. GROVER HEINRICHS & ASSOCIATES

SUITE 110-4 1802 W. GRANT ROAD
TUCSON, ARIZONA, 85745 U.S.A.
(602) 624-7421

October 21, 1982

Mr. Dale Smith
Flying X Ranches, Inc.
P. O. Box 367
Arivaca, Arizona 85601

Re: San Pedro Patented Mining Claim
Sec. 29, T23S, R11E
Oro Fino Mining District
California Gulch Area
Santa Cruz County, Arizona
(See Enclosed Sketch Map)

Dear Mr. Smith:

This letter is a follow-up on my phone conversation with your wife yesterday. On checking the Santa Cruz County records, I find that your company is listed as owner of the above referenced property.

My interest in your property is to attempt to develop the precious metal potential in the area of California Gulch. You, individually, as a property owner, could benefit substantially if a viable discovery is made. Your involvement would entail little inconvenience and no expense.

I also wish to assure you that my interest is sincere and genuine, and I am fortunate to have enjoyed an excellent reputation for honesty and competence in the local mining and business community for the past 25 years.

To pursue this matter further, I would like to meet with you at your earliest convenience at a place of your choice. I look forward to hearing from you.

Sincerely,

EGH:vh
enclosure

E. Grover Heinrichs

ORO FINOMIL
Abandoned

20

California
Spring

4566
rhet

WIND

3707

3795

4458

4000

15 West

GU

Cem

29

M30

4708

30

3750

.Casa Piedr

34

31

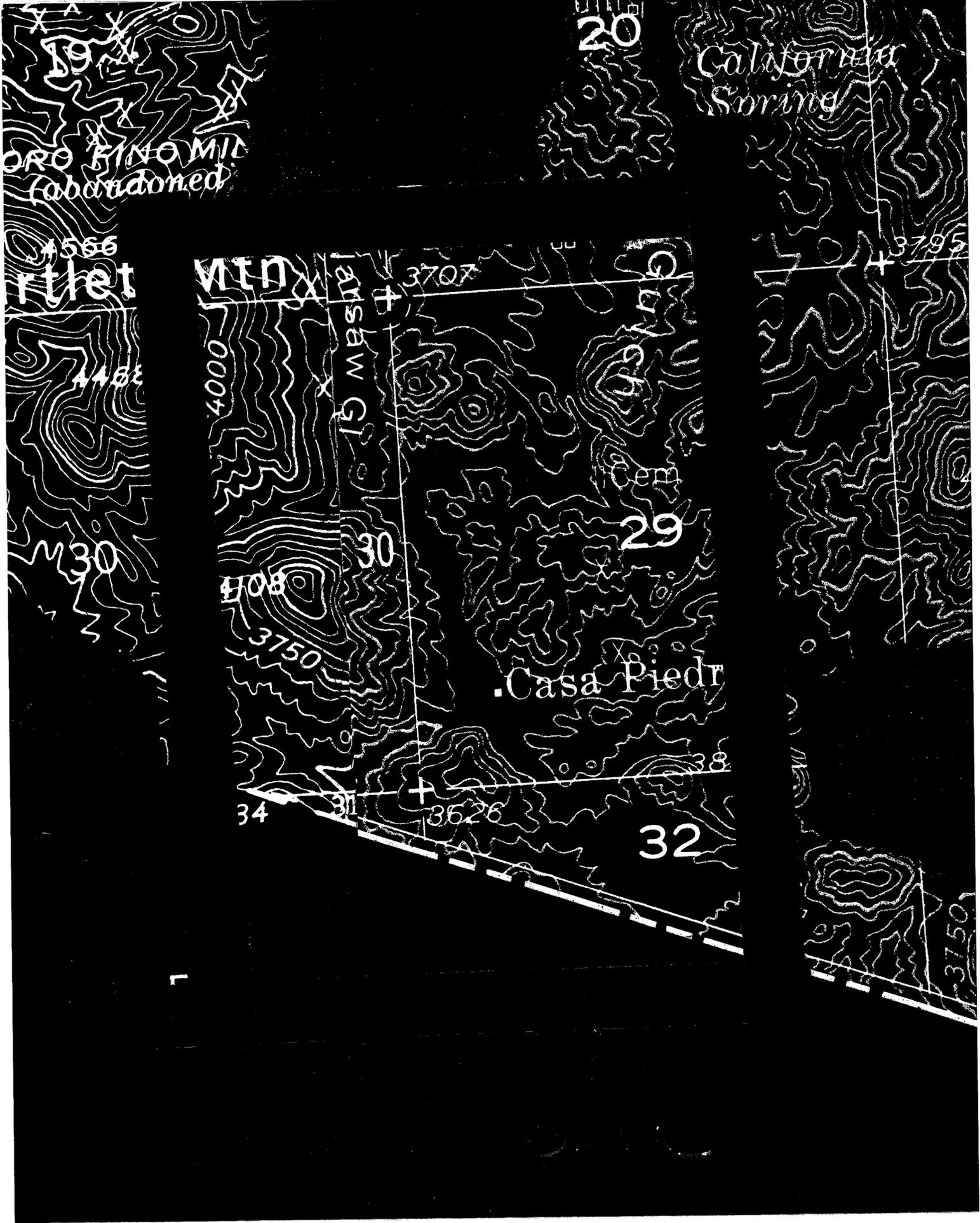
3626

38

32

3750

7



CALIF Gulch

T. 23S. R11E

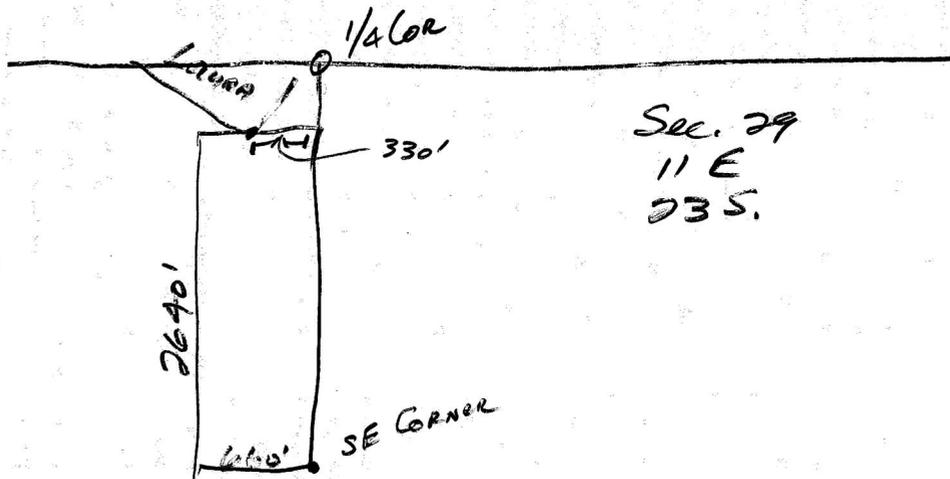
T 23S R11E

	AMC NO.	
Bend 1	101699	29 NW
2	101700	29 W2
3	105405	30 SE

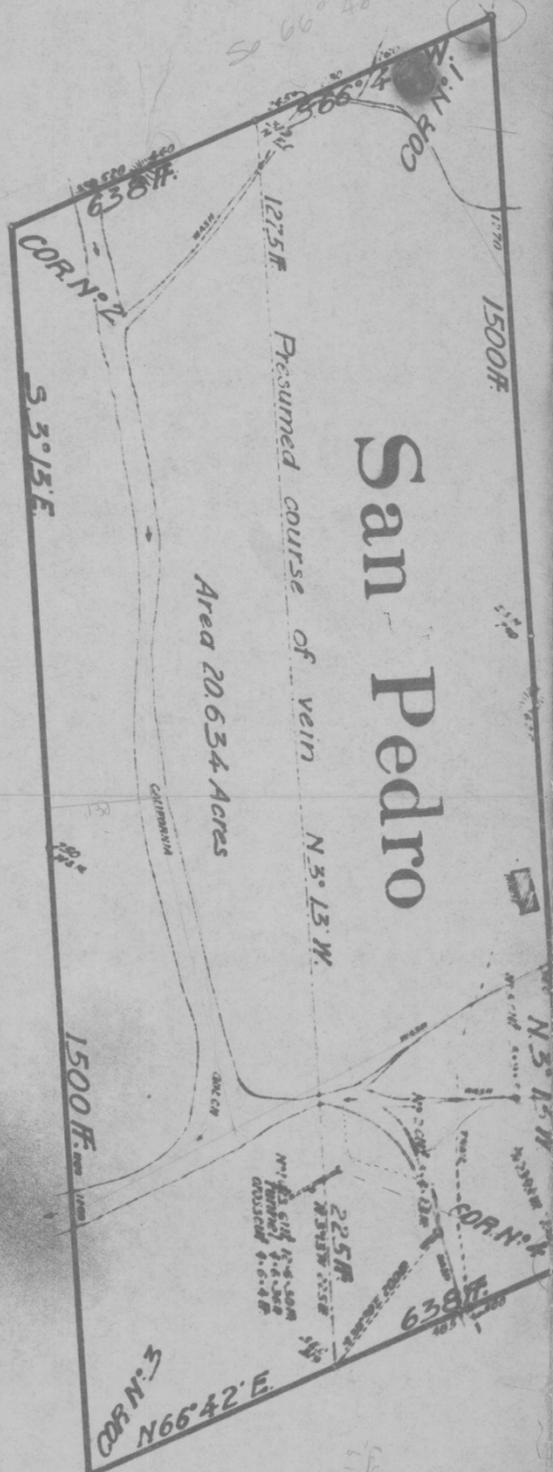
CLEARL D. Kilgore
 KATHLEEN Kilgore
 STATE RT. 19 Sells AZ 85634

William H Coplen Box 98 ARIZONA AZ 85601
 JEAN

102432 Golden Fleece Sec. 29 W2
 102944 Big Boy Sec. 29 NW



Approx. Sec. 29,
T. 23 S., R. 11 E.
 Uns.



Claim Located January 1, 1901

Mineral Survey No. **3091**

Lot No. **Arizona** Land District.

PLAT

OF THE CLAIM OF

J. H. McVey
 KNOWN AS THE

San Pedro

IN **Oro Blanco** MINING DISTRICT,
Santa Cruz COUNTY, **Arizona**

Containing an Area of **20 634** Acres.
 Scale of **200** feet to the inch.
 Variation **13° 32' E.**

STATED **September 4-6 1913** BY

Edgar C. Dietrich U.S. Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of
J. H. McVey
 known as the **San Pedro**

from which this plat has been made under my direction, have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant or his grantors, and that said improvements consist of 3 cuts, 1 tunnel and 1 crosscut, total value \$ 675.

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office. **Frank A. Ingalls**
Phoenix, Arizona. U.S. Surveyor General for
April 15 1914 **Arizona.**

Patent Duly 9-10-7915
 Patent No. 489675
 Serial No. 025484

25268
 2034

3091

Claim Located August 22, 1908

Mineral Survey No 3048

L.O.T. No Arizona Land District

PLAT

OF THE CLAIM OF

J.S. Andrews KNOWN AS THE

Laura

In Oro Blanco Mining District, Santa Cruz County, Arizona

Containing an Area of 20.661 Acres

Scale of 200 feet to the inch

Variation 13°30'E

Surveyed April 11-12, 1913 BY

Paul E. Fernald U.S. Mineral Surveyor

The Original Field Notes of the Survey of the Mining Claim of J.S. Andrews

known as the Laura

from which this plat has been made under my direction, have been examined and approved, and are on file in this Office, and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

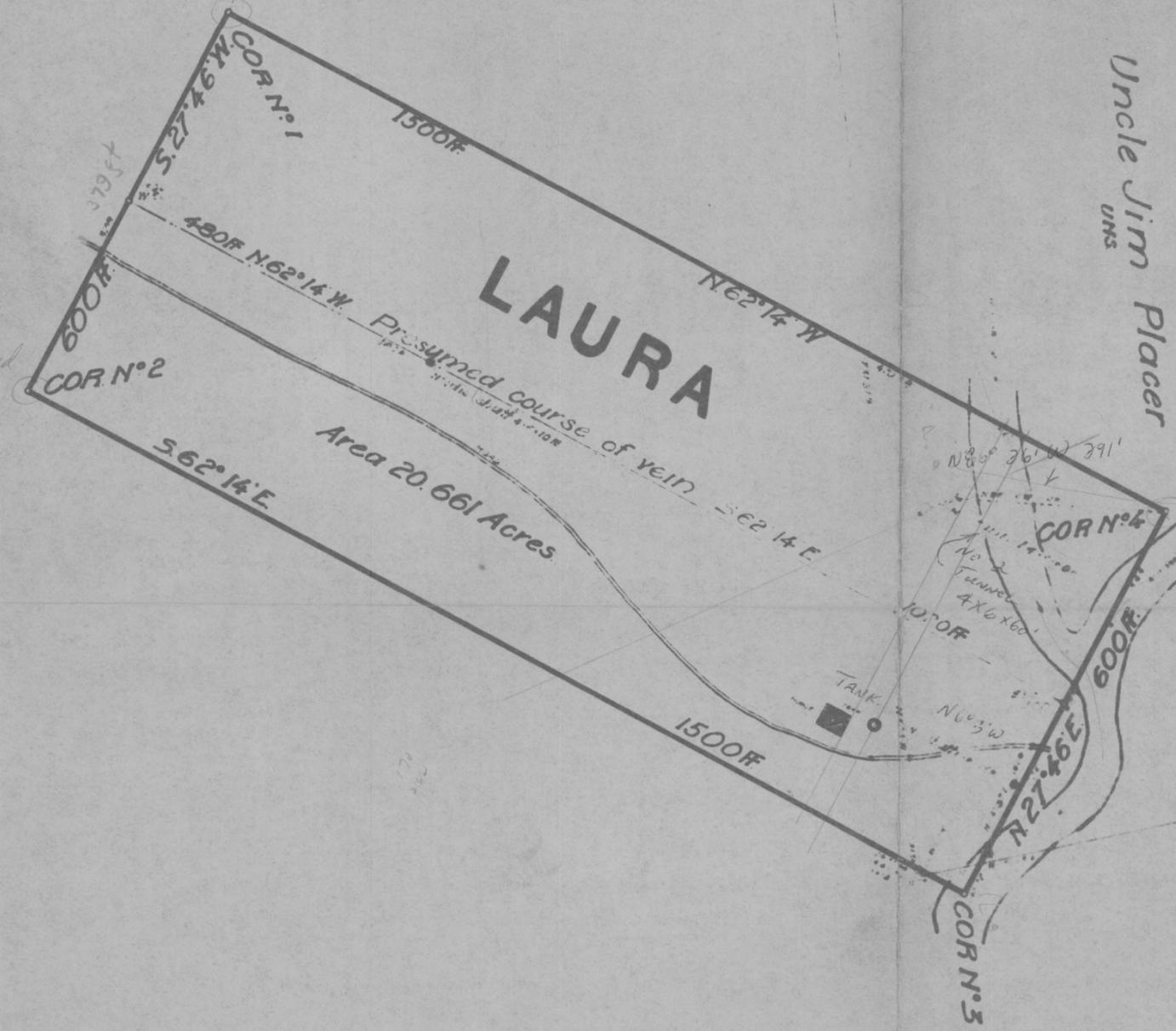
I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant or his grantors, and that said improvements consist of 2 shafts & 1 tunnel, total value \$5000

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office, Frank S. Ingalls, Phoenix, Arizona, U.S. Surveyor General for October 3, 1913, Arizona.

Secs. 20 & 29, T. 23 S., R. 11 E. Uns.



Area in conflict with Uncle Jim Placer, unsurveyed 3.684 ACRES

3-20-1915-6
464089
10.024342

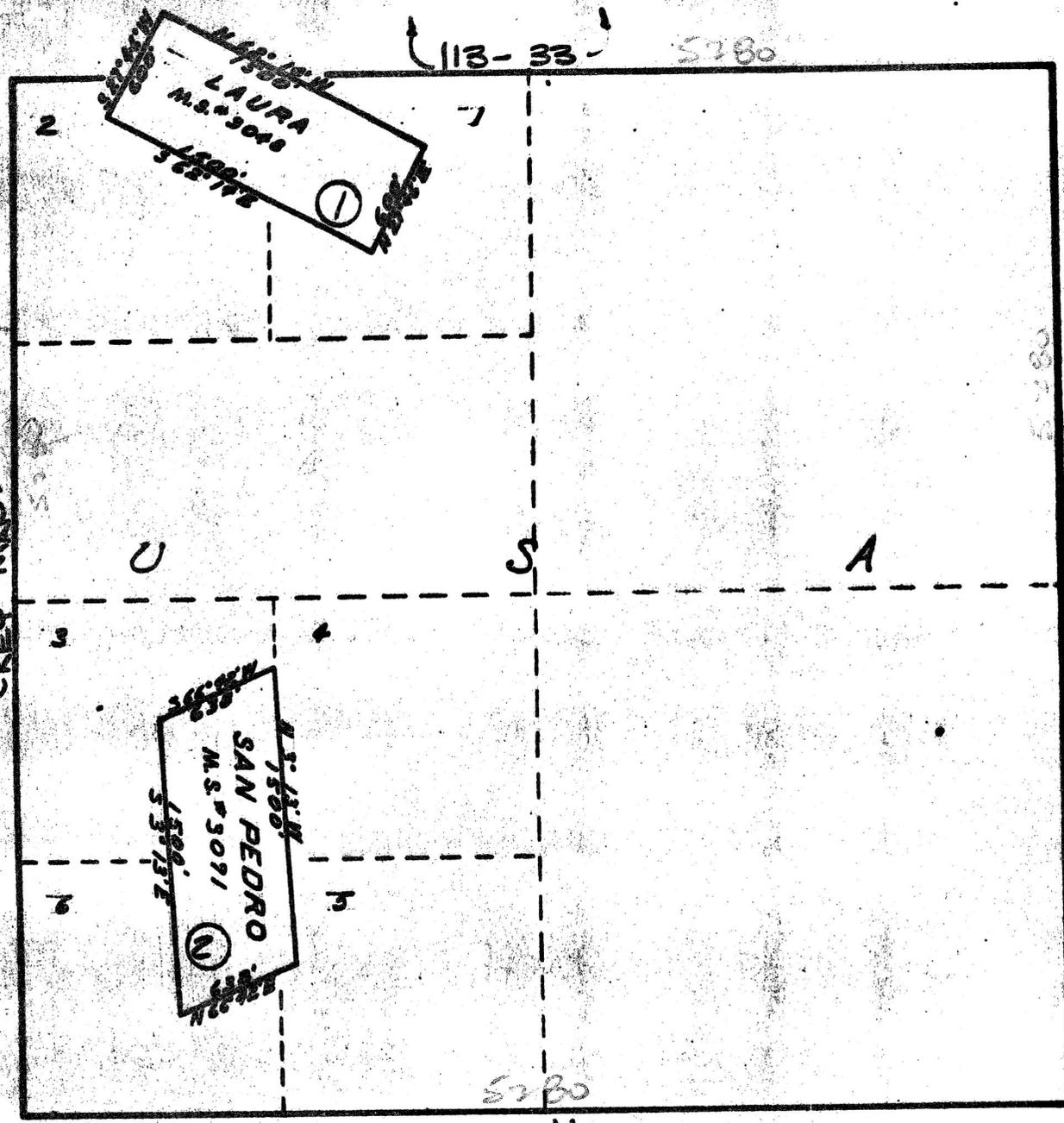
TOWNSHIP 23 S RANGE 11 E
SECTION 29

113

35

113-33 5280

0100



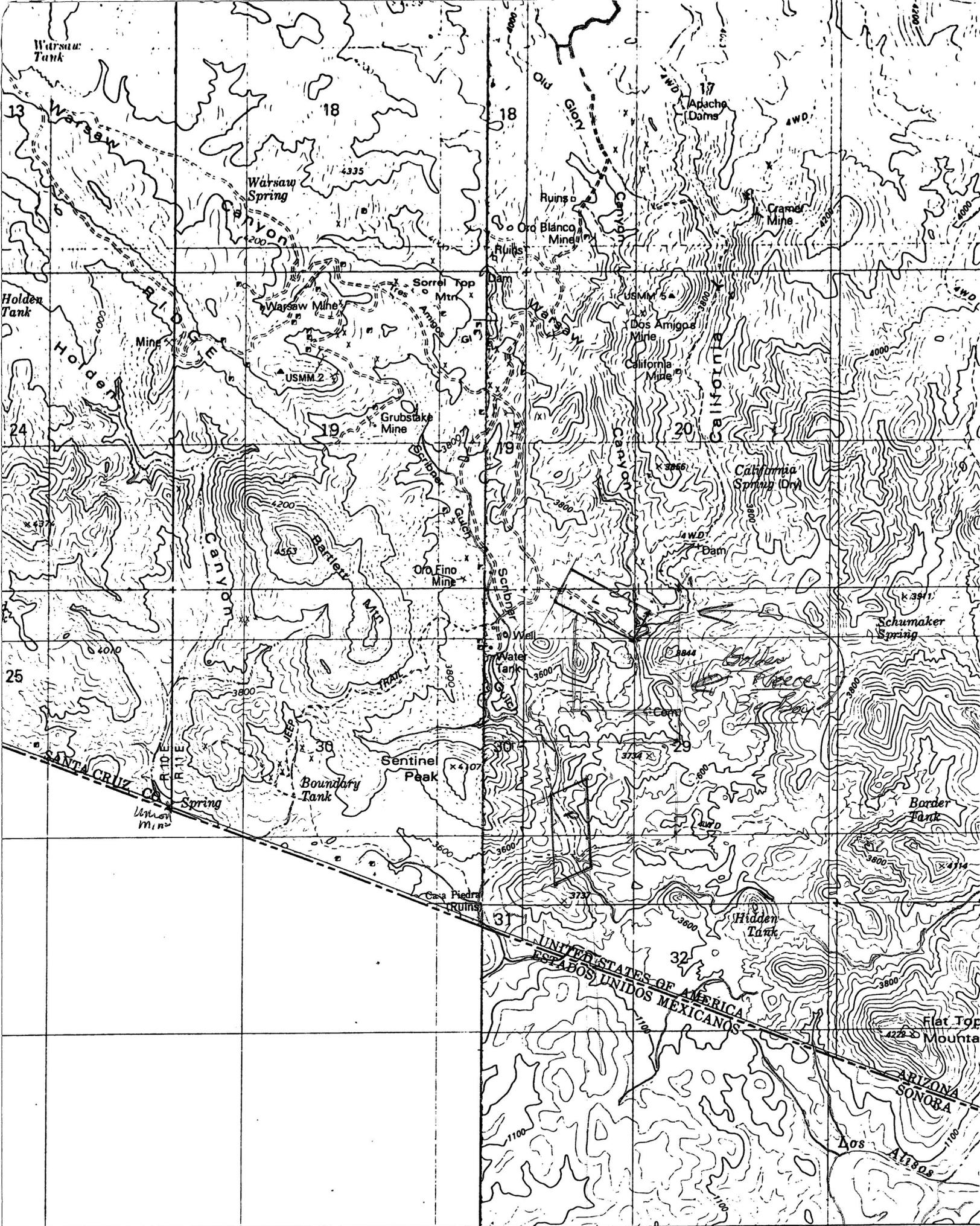
LAURA
M.S. # 3048
①

SAN PEDRO
M.S. # 3071
②

KEY MAP

23S -11E-29

ROBERT R. HATHAWAY
SANTA CRUZ COUNTY



474 ● INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1979 11115' 710 000 FEET 478
 475000mE

ROAD CLASSIFICATION

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

BARTLETT MTN., ARIZ.
 NE/4 ORO BLANCO 15' QUADRANGLE
 N3122.5—W11115/7.5

1979

DMA 3746 IV NE—SERIES V898

Produced by the United States Geological Survey

Control by USGS, NOS/NOAA, International Boundary and Water Commission, and Dirección General de Geografía del Territorio Nacional (DIGETENAL)

U.S. portion compiled by photogrammetric methods from aerial photographs taken 1975. Field checked 1976. Map edited 1981
 Mexico portion copied from DIGETENAL 1:50 000-scale map, La Bellotosa H12A39

Projection and 10,000-foot grid ticks: Arizona coordinate system, central zone (transverse Mercator)

1000-meter Universal Transverse Mercator grid, zone 12
 1927 North American Datum

To place on the predicted North American Datum 1983
 move the projection lines 9 meters south and
 63 meters east as shown by dashed corner ticks

Certain land lines are omitted because of insufficient data

There may be private inholdings within the boundaries of the National or State reservations shown on this map



E. GROVER HEINRICHS & ASSOCIATES

SUITE 110-4 1802 W. GRANT ROAD
TUCSON, ARIZONA, 85745 U.S.A.
(602) 624-7421

September 24, 1982

Mr. James Quinlan, Senior Staff Geologist
Kerr McGee Corporation
P. O. Box 25861
Oklahoma City, Oklahoma 73125
MT 2601

Dear Jim:

It was a pleasure chatting again with you relative to Kerr McGee's extensive holdings in Santa Cruz County. You guys are everywhere!

As I mentioned on the phone, a client of mine is interested in evaluating the placer potential in a portion of California Gulch, if we can establish a favorable property position. Your company owns the Laura patented mining claim situated in portions of Sections 20 and 29, T23S, R11E, Santa Cruz County, Arizona. (See attached GLO Plat and Mineral Land Survey Plat.)

Our interest, of course, is in the stream channel which is confined to the extreme southeast portion of the claim. (See attached Plat.)

What we would like from your company is an Exploration Option to Purchase Agreement for a three year term, in which we would pay the taxes and pay a nominal rental fee during the exploration period. We suggest \$300.00/month rental and a purchase price of \$10,000.00.

If we abandon the project prior to purchase, all technical data such as geology, geophysics, assays, etc., would be turned over to you.

Our exploration plan is to run a magnetic survey to help delineate areas of heavy magnetic concentration, then simply to trench down to bedrock on these high magnetic zones, or every 500' or so along the channel, then carefully weigh and measure the material, then run it through a course 2" screen and work the resulting "fines" through a combination ball mill and trommel, then over some mineral jigs, and then over a shaker sluice. We have not yet decided whether or not to include a magnetic separator in the circuit. The resulting concentrate would be assayed. If the assay results are favorable and we could develop up to 1/2 million cubic yards of ore grade material in the channel area, then we likely would proceed on the project. Naturally, we would conform to the Forest Service's stringent environmental laws and rehabilitate the excavations made.

Sincerely,


E. Grover Heinrichs

EGH:vh
enclosures

Memorandum to Grover Heinrichs
From Dan E. Lewis

January 27, 1983

One site should be located along magnetometer line C-C¹ from the road going east to the flowing water in California Gulch. Line C-C¹ is located just south of the intersection of Schribner Gulch with California Gulch and along the 1/2 section line. I don't believe the back hoe will reach bedrock in all cases. Start at the Gulch and work west. Two days of gravel collection from each site should yield 15 yds./hour or 120 cu. yds. per day equals 240 yds. for two days. A trench 3 feet wide to a depth of 8 feet and 10 feet in length would yield 240 cu. feet. This would allow an 80-foot trench 3 feet wide and 9 feet deep.

Along line C, the gravels between the east and west bedrock outcrops are 230 feet in width.

Slot C-C¹ magnetic high 20 ft. east of 0 point or 80' west of stream.

Starting a water flow in gulch the first day should yield a trench 3 feet wide, 9 feet deep, and 40 feet in length -- one set of results.

The second day, continue slot to west for another 40 feet or more as bedrock should show up at less than 9 feet depth. -- one set of results for 2nd day.

Then after two days, move to site #2 near line B-B¹. Moving to second site will depend on results along C-C¹.

185 cu. yds. should yield less than 1200# of black sand concentrate. I believe auto gold pan will clean the concentrate better than the cleaning derived by Clark Arnold on their project at Florence.

DEL:vh



MEMORANDUM

TO: E. Grover Heinrichs

DATE: January 27, 1983

FROM: Dan E. Lewis

SUBJECT: Project #18 - Calif. Gulch
Placer Exploration

Assuming that the option agreements with the Kilgore group and the San Pedro patented claims are secured, then we can proceed with the placer exploration. The option on the San Pedro must be secured to make the project viable.

The initial program would be to develop three areas along California Gulch. The development of each area would consist of excavating 12 cubic yards of gravel to bedrock or the maximum digging depth of the back hoe. The material from each cut would be run through the trommel (Blue Goose), and the trommel concentrate would then pass through the auto gold pan. The feed to the trommel will be estimated as to yardage and the three products will have to be sampled:

1. Coarse discharge from trommel.

Two products from the auto gold pan.

2. Waste discharge.

3. Pan concentrate.

The two gold pan products will be weighed so as to estimate the trommel coarse discharge.

A fire assay will be used on the two waste products Nos. 1 and 2. The concentrate will be amalgamated to calculate the recovery per cubic yard.

All material from each site will provide one set of analysis to yield a recovery from each site.

There is sufficient water available for the operation, and a small centrifugal pump will be required to provide make up water from the creek. The water going to the trommel should include a detergent to decrease the surface tension on the fine gold so it will not float away the coarse trommel discharge. Most of the gold at California Gulch is very fine, which is why the early attempts were not successful.

The three sites should be selected to give coverage along the gulch.

