MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE Contract No. _____ Docket No. 6616

Application
- [x] 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- [x] Withdrawn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

SUPPLEMENTARY INFORMATION
TO MME FORM 40

1. Financial Eligibility

(a) Copies of correspondence are attached hereto and marked "Exhibit A"

(b) None

(c) Sale of $35,000.00 in limited partnership interests

2. Applicants Rights in Land

(a) Lessee of 460 acres patented and unpatented land. All land is contiguous. Copy of the lease is attached hereto and marked "Exhibit B".

(b) Legal description of the patented lands is as follows:

SW 1/4 of NE 1/4, E 1/2 of SE 1/4, NW 1/4 of SE 1/4, Section 15; E 1/2 of NW 1/4, NE 1/4 SW 1/4, W 1/2 of NE 1/4 of SE 1/4, and W 1/2 of W 1/2 of NE 1/4, Section 10, all in Township 7 South, Range 45 East of the Willamette Meridian, Baker County, Oregon.

The names of the unpatented claims, and their index to the Records of Placer Locations, Baker County, Oregon is as follows:

Name	Book	Page
Red Bird	J	256
Big Hole	J	257
Gray Eagle	K	321
Eagle	J	254
White Fir	J	254
Justice	K	363

There is no reason known why all of the property should not be subject to governmental royalties or liens.

The property has been known under the name of Pine Creek Placers, and is located in the Cornucopia Mining district.

(c) Five copies of MME Form 52 will be submitted at a later date, as soon as the signatures of the Lessors are obtained.

3. Physical Description

(a) A map of the property is attached hereto and marked "Exhibit C".

Transmitted w/ letr. May 16, 1967, from
L. W. Hawk, 3702 Hillcrest Dr., Boise, Idaho 83705

The lands leased by the applicants are outlined in red. The three shafts noted on the map are the only locations in which mining or exploration has been conducted. Attached hereto and marked "Exhibit D" are photostatic copies of the daily record of Pine Creek Mining Co., which mined the property in 1933 and 1934. Attached hereto and marked "Exhibit E" are the daily work sheets of the Morrison-Knudsen Company of Boise, Idaho, which conducted exploration work on the property in July of 1940.

(b) W. F. Ingram, one of the present applicants, worked as a day laborer for Pine Creek Mining Co. in 1934. There was no other interest of either applicant.

(c) Attached hereto and marked "Exhibit F" is a mine record of gold shipments from the Pine Creek placer deposits, unidentified as to producer or date. The production from April through June, 1934, as shown in Exhibit "D", was $19,792.04, as is shown by a summary of that exhibit attached hereto and marked "Exhibit G".

(d) Generally, it is estimated that 20,000,000 cubic yards of gravel are available with a projected value of $0.98 per cubic yard. The gravel has some value at the surface, which value should increase as bedrock is approached. There is an average depth to bedrock of sixty feet, and the highest values have been found in the five feet immediately above bedrock. A certificate from the Colorado Assay Company, dated October 11, 1934, is attached hereto and marked "Exhibit H". Attached hereto and marked "Exhibit I" is a brief summary prepared by the Morrison-Knudsen Company in 1940, after extensive sampling, which computes the probable reserves.

(e) Attached hereto and marked "Exhibit J" is a narrative statement of J. A. Herdlick, Registered Mining Engineer, dated November 14, 1934, which describes the geologic features of the property. Attached hereto and marked "Exhibit C" is a map of the property, showing the location of the shafts which have been sunk. These shafts are now largely useless. The only mineral present in quantities thought economically feasible is gold, although there is a trace of silver.

(f) Our principal reason for expecting to find ore is the results of the mining operations conducted on the property from 1934 through 1936, and the tests conducted by the Morrison-Knudsen Company in 1940. Exhibits not previously attached or referred to which influence our thinking on the possibilities of finding gold are attached hereto and marked and described as follows:

"Exhibit K", Report of W. B. Pattison, a Mining Engineer from Tulsa, Oklahoma. This is undated, but was prepared in 1936.

"Exhibit L," a letter dated May 1, 1936, from W. B. Pattison to Milton Steinmetz.

"Exhibit M," a letter dated May 3, 1936, from J. A. Herdlick to Milton Steinmetz.

Also please refer to the assay certificate, "Exhibit H," and the daily records of Pine Creek Mining Co., "Exhibit D."

Another reason underlying our expectations is the familiarity of W. F. Ingram, one of the applicants, with the property. Mr. Ingram worked as a young man in 1934, as a day laborer for the Pine Creek Mining Co. He is a native of the area, and quite familiar with the prior operators.

(g) All pertinent reports have been attached and referred to earlier. Specifically applicable here are Exhibits C, E, H, J, K, L and M. Return is not required.

4. Accessibility of Property

(a) The OME representative will be met in either Halfway or Baker, Oregon, by L. W. Hawk, 3702 Hillcrest, Boise, Idaho. The property is six miles north of Halfway, Oregon, and all but the last mile is paved. Any resident of Halfway can direct the representative to the property, as it is located directly below the well-known Cornucopia lode mine.

(b) The property is within a few hundred feet of a road which connects with the paved county road to Halfway. The nearest rail-head and large town is Baker, 73 miles to the southwest.

5. Exploration Work

(a) The proposed exploration work will consist of making a large cut from surface to bedrock, starting at the lower end of the property and perhaps 300 yards long. The approximate location of this cut is marked on a copy of the map of the property which is attached hereto and marked "Exhibit N."

(b) No access road will be necessary.

(c) Work will be begun as quickly as possible after an OME contract is executed, weather permitting. We anticipate the initial cut to bedrock will be completed within [redacted]. 60 days

6. Experience

Lucian W. Hawk, one of the applicants herein, is presently manager of the Land and Exploration Department of the Intermountain Gas Company of Boise, Idaho, a large public utility involved in the production, transportation, marketing and supply of natural gas. He has been with that Company for the last ten years. For twenty years prior to that, he was with the Magnolia Pipeline Company in Southern Oklahoma, concerned

with construction and crude oil purchasing. He has also been engaged in independent oil field operations and leasing for more than 30 years.

Frank Ingram, the other applicant, was born and raised at Halfway, Oregon. He worked as a hoist man on the Boulder Shaft, part of the property proposed to be mined in 1934, and also worked on two other shafts on the property. His work experience includes 15 years as superintendent of logging and road construction for Weatherbee Logging & Lumber, a partner in Meridian Molding Company in charge of all heavy equipment, and he is presently Superintendent of Operations for the Wendell Mills of Wendell, Idaho. Mr. Ingram will be in charge of and supervise all exploration work on Pine Creek.

It is anticipated that Carl G. Ingram will be called as a consultant from time to time. Carl Ingram is the uncle of Frank Ingram and was mine Foreman of the Pine Creek Mining Company in 1934.

7. Estimate of Costs

(a) Independent contracts. None.

(b) Personal services

Class	No. Req'd.	Rate	Period of Emplmt.
Supervisor	1	$1,000/mo.	2[redacted] mos.
Scraper operator	1	4.50/hr.	2[redacted] mos.
Earthmover operator	2	4.50/hr.	2[redacted] mos.
Power Shovel operator	1	4.50/hr.	2[redacted] mos.
Catskinner	1	4.50/hr.	2[redacted] mos.
Carpenter	1	4.50/hr.	2[redacted] mos.
Carpenter	3	4.50/hr.	2[redacted] mos.
Mechanic	1	4.00/hr	2[redacted] mos.
Serviceman	1	3.00/hr	2[redacted] mos.
Laborers	3	2.50/hr	2[redacted] mos.

Total 6 month figure at 170 hours per month $[redacted] 17,640.00

All of these services are available.

(c) Operating Materials and Supplies

Diesel fuel (estimated 10,000 gallons per month at 22¢ per gallon $4400.00 [redacted]

Electricity (includes cost of transformers and minimum guarantee to Idaho Power) [redacted]

(d) Operating Equipment Cost of placing on job and 2 mos. lease -

Caterpillar D-8 tractor - lease-purchase	8,000.00	$[redacted]
Euclid earth-movers (2) - lease-purchase	36000.00	[redacted]
Power shovel - 4 yd. - lease-purchase	8000.00	[redacted]
Tourneaupull - lease-purchase		[redacted]
3" pipe - 2500' - purchase	2500.00	[redacted]
3" pumps (3) - purchase	1500.00	[redacted]
Hand tools - assorted - purchase	2500.00	[redacted]
Pickup truck with fuel tanks	1000.00	[redacted]

~~$44,100.00~~ 27,100.00

(e) Initial rehabilitation and repairs. None.

(f) New Buildings, Fixtures and Installations

Shop and tool house - 20' x 40'	[redacted]
200' sluice box - 4' wide x 2 1/2' high - 3" lumber	1,350.00
200' flume - 4' x 2 1/2'	650.00
Bulkhead with 2 grizzlies - 20' x 20' x 40'	5,000.00
20' Trailer house for office	[redacted]

(g) Miscellaneous

Reserve for repairs and maintenance of operating equipmt.	$[redacted] 8,000.00
Accounting (estimated $60.00 per month)	[redacted] 120.00
Workmen's Compensation and Employee's liability insurance (computed at 4% of payroll for ~~6~~ 2 mos.)	2,116.80 704.90

NOTE: All costs are entered at a total figure for ~~[illegible]~~ 2 months of operation. [redacted]

Total projected cost for ~~[illegible]~~ 12 month operation	$[redacted] 64,964.90

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
March 31, 1967

OFFICIAL
COPY
O. M. E.
RECEIVED
APR 3 1967

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Transmittal of Addendum to Application for Assistance
Cornucopia Placers (Gold)
Pine Creek Property
Baker County, Oregon

The enclosed Supplementary Information to MME Form 40, received March 31, 1967, clarifies points raised in the final paragraph on page 1, the first paragraph and part of the second on page 2 of our Memorandum of March 30, 1967, transmitting the cited-application.

Clarification regarding the lease area definition in our paragraph 4, page 1, is still required. Another question now needs clarification. Under item 1(c) the applicant proposes to furnish his share of the cost by selling limited partnership interest in the amount of $50,000.00.

The applicant's estimated total cost of $220,296.80 includes, apparently at full value, equipment worth $111,700.00. Actually, he would be allowed one-sixtieth of this amount for 6 months or $11,170.02, thus reducing his total estimated cost to $119,766.82. Without careful analysis it is only probable that some other cost items would be reduced, so possibly $50,000.00 would take care of his share of the cost, providing he can raise the funds. Apparently, that will depend upon whether an OME contract is approved.

From the equipment it is proposed to use and the depth to bedrock, the proposed cut will be tremendous and would appear to provide a good start toward placer mining operations. It might be of interest to know the proposed width of the cut at the surface and at bedrock and the proposed slopes. It is concluded that the last two paragraphs on page 2 of our prior memorandum are still valid.

D. R. MacLaren

D. R. MacLaren

Enclosures

HAWLEY TROXELL ENNIS & HAWLEY
ATTORNEYS AND COUNSELORS
FIRST SECURITY BUILDING
POST OFFICE BOX 1617
BOISE, IDAHO [illegible]

JESSE B. HAWLEY, [illegible]
ROBERT E. TROXELL
JESSE B. HAWLEY, JR.
PAUL W. ENNIS
JOHN T. HAWLEY
THOMAS A. MILLER
MARSHALL NEAL NEWHOUSE
IVER J. LONGTEIG, III

AREA CODE 208
TELEPHONE: 344-7683

[illegible]

[illegible] of Minerals Explora[illegible]
[illegible] Survey
[illegible] Idaho St.
[illegible]ane, [illegible] 99[illegible]

Re: Corra[illegible]

Dear Mr. McLaren:

Enclosed please find [illegible] information that was inadvertently [illegible] two envelopes [illegible] were mailed to you [illegible] complete your file on the matter.

Very truly [illegible]

/s/ Iver J. Longteig
IVER J. LONGTEIG [illegible]

[illegible]
[illegible]

[illegible] Mail

SUPPLEMENTARY INFORMATION
TO MME FORM 40

1. Financial Eligibility

(a) Copies of correspondence are attached hereto and marked "Exhibit A"

(b) None

(c) Sale of $50,000.00 in limited partnership interests

2. Applicants Rights in Land:

(a) Lessee of 460 acres patented and unpatented land. All land is contiguous. Copy of the lease is attached hereto and marked "Exhibit B".

(b) Legal description of the patented lands is as follows:

SW 1/4 of NE 1/4, E 1/2 of SE 1/4, NW 1/4 of SE 1/4, Section 15; E 1/2 of NW 1/4, NE 1/4 SW 1/4, W 1/2 of NE 1/4 of SE 1/4, and W 1/2 of W 1/2 of NE 1/4, Section 10, all in Township 7 South, Range 45 East of the Willamette Meridian, Baker County, Oregon.

The names of the unpatented claims, and their index to the Records of Placer Locations, Baker County, Oregon is as follows:

Name	Book	Page
Red Bird	J	256
Big Hole	J	257
Gray Eagle	K	321
Eagle	J	254
White Fir	J	254
Justice	K	363

There is no reason known why all of the property should not be subject to governmental royalties or liens.

The property has been known under the name of Pine Creek Placers, and is located in the Cornucopia Mining district.

(c) Five copies of MME Form 52 will be submitted at a later date, as soon as the signatures of the Lessors are obtained.

3. Physical Description

(a) A map of the property is attached hereto and marked "Exhibit C".

The lands leased by the applicants are outlined in red. The three shafts noted on the map are the only locations in which mining or exploration has been conducted. Attached hereto and marked "Exhibit D" are photostatic copies of the daily record of Pine Creek Mining Co., which mined the property in 1933 and 1934. Attached hereto and marked "Exhibit E" are the daily work sheets of the Morrison-Knudsen Company of Boise, Idaho, which conducted exploration work on the property in July of 1940.

(b) W. F. Ingram, one of the present applicants, worked as a day laborer for Pine Creek Mining Co. in 1934. There was no other interest of either applicant.

(c) Attached hereto and marked "Exhibit F" is a mine record of gold shipments from the Pine Creek placer deposits, unidentified as to producer or date. The production from April through June, 1934, as shown in Exhibit "D", was $19,792.04, as is shown by a summary of that exhibit attached hereto and marked "Exhibit G".

(d) Generally, it is estimated that 20,000,000 cubic yards of gravel are available with a projected value of $0.98 per cubic yard. The gravel has some value at the surface, which value should increase as bedrock is approached. There is an average depth to bedrock of sixty feet, and the highest values have been found in the five feet immediately above bedrock. A certificate from the Colorado Assay Company, dated October 11, 1934, is attached hereto and marked "Exhibit H". Attached hereto and marked "Exhibit I" is a brief summary prepared by the Morrison-Knudsen Company in 1940, after extensive sampling, which computes the probable reserves.

(e) Attached hereto and marked "Exhibit J" is a narrative statement of J. A. Herdlick, Registered Mining Engineer, dated November 14, 1934, which describes the geologic features of the property. Attached hereto and marked "Exhibit C" is a map of the property, showing the location of the shafts which have been sunk. These shafts are now largely useless. The only mineral present in quantities thought economically feasible is gold, although there is a trace of silver.

(f) Our principal reason for expecting to find ore is the results of the mining operations conducted on the property from 1934 through 1936, and the tests conducted by the Morrison-Knudsen Company in 1940. Exhibits not previously attached or referred to which influence our thinking on the possibilities of finding gold are attached hereto and marked and described as follows:

"Exhibit K", Report of W. B. Pattison, a Mining Engineer from Tulsa, Oklahoma. This is undated, but was prepared in 1936.

"Exhibit L," a letter dated May 1, 1936, from W. B. Pattison to Milton Steinmetz.

"Exhibit M," a letter dated May 3, 1936, from J. A. Herdlick to Milton Steinmetz.

Also please refer to the assay certificate, "Exhibit H," and the daily records of Pine Creek Mining Co., "Exhibit D."

Another reason underlying our expectations is the familiarity of W. F. Ingram, one of the applicants, with the property. Mr. Ingram worked as a young man in 1934, as a day laborer for the Pine Creek Mining Co. He is a native of the area, and quite familiar with the prior operators.

(g) All pertinent reports have been attached and referred to earlier. Specifically applicable here are Exhibits C, E, H, J, K, L and M. Return is not required.

4. Accessibility of Property

(a) The OME representative will be met in either Halfway or Baker, Oregon, by L. W. Hawk, 3702 Hillcrest, Boise, Idaho. The property is six miles north of Halfway, Oregon, and all but the last mile is paved. Any resident of Halfway can direct the representative to the property, as it is located directly below the well-known Cornucopia lode mine.

(b) The property is within a few hundred feet of a road which connects with the paved county road to Halfway. The nearest rail-head and large town is Baker, 73 miles to the southwest.

5. Exploration Work

(a) The proposed exploration work will consist of making a large cut from surface to bedrock, starting at the lower end of the property and perhaps 300 yards long. The approximate location of this cut is marked on a copy of the map of the property which is attached hereto and marked "Exhibit N." Mining?

(b) No access road will be necessary.

(c) Work will be begun as quickly as possible after an OME contract is executed, weather permitting. We anticipate the initial cut to bedrock will be completed within 4 to 5 months.

6. Experience

Lucian W. Hawk, one of the applicants herein, is presently manager of the Land and Exploration Department of the Intermountain Gas Company of Boise, Idaho, a large public utility involved in the production, transportation, marketing and supply of natural gas. He has been with that Company for the last ten years. For twenty years prior to that, he was with the Magnolia Pipeline Company in Southern Oklahoma, concerned

with construction and crude oil purchasing. He has also been engaged in independent oil field operations and leasing for more than 30 years.

Frank Ingram, the other applicant, was born and raised at Halfway, Oregon. He worked as a hoist man on the Boulder Shaft, part of the property proposed to be mined in 1934, and also worked on two other shafts on the property. His work experience includes 15 years as superintendent of logging and road construction for Weatherbee Logging & Lumber, a partner in Meridian Molding Company in charge of all heavy equipment, and he is presently Superintendent of Operations for the Wendell Mills of Wendell, Idaho. Mr. Ingram will be in charge of and supervise all exploration work on Pine Creek.

It is anticipated that Carl G. Ingram will be called as a consultant from time to time. Carl Ingram is the uncle of Frank Ingram and was mine Foreman of the Pine Creek Mining Company in 1934.

7. Estimate of Costs

(a) Independent contracts. None.

(b) Personal services

Class	No. Req'd.	Rate	Period of Emplmt.
Supervisor	1	$1,000/mo.	6 mos.
Scraper operator	1	4.50/hr.	6 mos.
Earthmover operator	2	4.50/hr.	6 mos.
Power Shovel operator	1	4.50/hr.	6 mos.
Catskinner	1	4.50/hr.	6. mos.
Carpenter	1	4.50/hr.	6 mos.
Carpenter	3	4.50/hr.	2 mos.
Mechanic	1	4.00/hr	6 mos.
Serviceman	1	3.00/hr	6 mos.
Laborers	3	2.50/hr	6 mos.

Total 6 month figure at 170 hours per month $52,920.00

All of these services are available.

(c) Operating Materials and Supplies

Diesel fuel (estimated 10,000 gallons per month at 22¢ per gallon $13,200.00

Electricity (includes cost of transformers and minimum guarantee to Idaho Power) $ 5,000.00

(d) Operating Equipment

Caterpillar D-8 tractor - lease-purchase	$19,200.00
Euclid earth-movers (2) - lease-purchase	42,000.00
Power shovel - 4 yd. - lease-purchase	21,000.00
Tourneaupull - lease-purchase	21,000.00
3" pipe - 2500' - purchase	2,500.00
3" pumps (3) - purchase	1,500.00
Hand tools - assorted - purchase	2,500.00
Pickup truck with fuel tanks	2,000.00

(e) Initial rehabilitation and repairs. None.

(f) New Buildings, Fixtures and Installations

Shop and tool house - 20' x 40'	$1,500.00
200' sluice box - 4' wide x 2 1/2' high - 3" lumber	1,350.00
200' flume - 4' x 2 1/2'	650.00
Bulkhead with 2 grizzlies - 20' x 20' x 40'	5,000.00
20' Trailer house for office	1,500.00

(g) Miscellaneous

Reserve for repairs and maintenance of operating equipmt.	$ 25,000.00
Accounting (estimated $60.00 per month)	360.00
Workmen's Compensation and Employee's liability insurance (computed at 4% of payroll for 6 mos.)	2,116.80

NOTE: All costs are entered at a total figure for six months of operation. It is anticipated the job can perhaps be done in 4 to 5 months, but the six-month figure was used as a safety factor.

Total projected cost for 6-month operation	$220,296.80

RECEIVED
MAR 31 1967.
SPOKANE, WASH.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
March 30, 1967

OFFICIAL COPY
O. M. E.
RECEIVED
APR 3 1967

INITIALS	CODE

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Transmittal of Application for Assistance
Cornucopia Placers (Gold)
Pine Creek Property
Baker County, Oregon

Enclosed is an application for OME aid to explore for gold in the Cornucopia Mining District, Baker County, Oregon.

Copies of a letter to one bank and of two letters to a second one are included along with a reply from the first bank and a statement by the applicant that the second bank refused to present a written denial of his request. The letters requested loans "from a minimum of $50,000 to a maximum of $100,000." The estimated total cost on the MME Form 40 is $220,000. The balance of the application consists of a copy of a lease with a property map, and Exhibits D through N on each of which is noted the item number from the back of the MME Form 40 to which it is supposed to pertain.

After a rapid review of what was presented, my first impulse was to return the entire "mess" as not acceptable. However, after going through each Exhibit more carefully, it appears that collectively they furnish most of the information requested by MME Form 40.

One item in the lease requires clarification and probably a new lease. Under the heading "Parcel A - Patented Lands" in the fourth line appears W$\frac{1}{2}$NE$\frac{1}{4}$SE$\frac{1}{4}$ sec. 10, T. 7 S., R. 45 E. From the sketches (Exhibits C and N) it appears that this should be W$\frac{1}{2}$NW$\frac{1}{4}$SE$\frac{1}{4}$ sec. 10, etc. Also, the signatures appearing on the lease have not been notarized.

On the maps the names of the placer claims are not given although their locations are probably indicated by the number "20" signifying 20-acre placer claims.

Although the person who will accompany the examiner is not specified, the addresses of the principal partners is given and an appointment can be arranged.

O.K. see Appl. [illegible]

Of more importance and completely lacking is a description of the work, the experience of the one to be in charge of the work, a cost estimate, and Lien and Subordination Agreements.

see suppl. mtg!

One can only guess from Exhibit N that the applicant proposes to strip a fairly large area to bedrock. As stated in a letter from J. A. Herdlick dated May 3, 1936, the overburden is from 40 to 70 feet. Such a project could only be considered as preparation for sluicing rather than exploring for possible gold-bearing horizons. Indeed Exhibits I, J (Conclusions), K, L, and M clearly suggest that the presence of gold along bedrock and higher bars in minable amounts has already been conclusively established. The problem has been to develop a method of recovery more feasible than through shafts.

Unless the applicant can justify further exploration and presents a program other than stripping a large area to a considerable depth, it is recommended that the application be denied. If further exploration should be justified, two or three shafts or, boulders permitting, churn drill holes might be considered.

D. R. MacLaren

D. R. MacLaren

Enclosures

RECEIVED
MAR 29 1967
WASH.

HAWLEY TROXELL ENNIS & HAWLEY
ATTORNEYS AND COUNSELORS
FIRST SECURITY BUILDING
POST OFFICE BOX 1617
BOISE, IDAHO 83701

March 28, 1967

JESS B. HAWLEY, 1882-1949
ROBERT I. TROXELL
JESS B. HAWLEY, JR.
PAUL B. ENNIS
JOHN T. HAWLEY
THOMAS A. MILLER
MARSHALL NEAL NEWHOUSE
IVER J. LONGETEIG, III

AREA CODE 208
TELEPHONE: 344-7683

Office of Minerals Exploration Field Offices
U.S. Geological Survey
South 157 Howard St.
Spokane, Wash. 99204

Attn: D. D. MacLaren

Dear Mr. MacLaren:

Enclosed are applications for financial assistance in minerals exploration for CORNUCOPIA PLACERS. Any help you can give us in expediting this matter will be greatly appreciated.

Another copy of these same papers are being sent to you in another envelope and should arrive with these.

Very truly yours,

Iver J. Longeteig III

IVER J. LONGETEIG, III

Encl.
IJL:cw

RECEIVED
MAR 29 1967
Air Mail
WASH.

MME Form 40
Jan. 65

RECEIVED
via
MAR 29 1967
Air Mail

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

3

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.)*

CORNUCOPIA PLACERS
P.O. BOX 1617
BOISE, IDAHO 83702

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6616

DATE RECEIVED 4-3-67

REGION I

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL ☐
- CORPORATION ☐
- PARTNERSHIP ☐
- OTHER *(Specify)* ☐

STATE IN WHICH FIRM IS ORGANIZED

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Lucian W. Hawk	3702 Hillcrest Dr. Boise, Idaho	Partner
W. Frank Ingram	6006 Cruzen Boise, Idaho	Partner

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE
Gold

ESTIMATED COST OF PROJECT
$ $220,000.00

PROPERTY NAME	LOCATION COUNTY	STATE
Pine Creek	Baker,	Oregon

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.

3/24/67
DATED

W. F. Ingram
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 propose[illegible]xploration 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 replace[illegible]t of equipment or other property used in the work).]

INT.-DUP. SEC., WASH., D.C.

March 7, 1967

Mr. Gayle McAtee, Vice President
First Security Bank of Idaho, N. A.
Boise, Idaho

Dear Mr. McAtee:

This letter is to request a loan from your bank to finance a gold mining operation in Baker County, Oregon.

The property to be mined consists of 120 acres of leased land. It will be worked as a placer operation by a partnership consisting of myself and W. F. Ingram as general partners, and an as yet undetermined number of limited partners.

We anticipate that before production can be established on a paying basis, 100,000 yards of gravel must be moved in order to reach bedrock, where we believe the high-value gravel is located.

We would like at this time to borrow whatever amount of money is available, from a minimum of $50,000.00 to a maximum of $100,000.00, at the current commercial interest rate, preferably but not necessarily repayable out of royalties.

The funds will be used to lease earth-moving equipment and for the payment of salaries and wages. No amount is payable as rent until December 1, 1967, except for a 10% royalty on production.

Very truly yours,

L. W. HAWK

CORNUCOPIA PLACERS
P.O. BOX 1617
BOISE, IDAHO 83702
(ITEM 1)

EXHIBIT "A"

March 7, 1967

Mr. R. W. Beuttel, Manager
Bank of Idaho, Vista Branch
1400 Vista Avenue
Boise, Idaho

Dear Mr. Beuttel:

This letter is to request a loan from your bank to finance a gold mining operation in Baker County, Oregon.

The property to be mined consists of 120 acres of leased land. It will be worked as a placer operation by a partnership consisting of myself and W. F. Ingram as general partners, and an as yet undetermined number of limited partners.

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The funds will be used to lease earth-moving equipment and for the payment of salaries and wages. No amount is payable as rent until December 1, 1967, except for a 10% royalty on production.

Very truly yours,

L. W. HAWK

Boise, Idaho
March 14, 1967

Mr. Gayle McAtee,
Vice President
First Security Bank of Idaho, N. A.
Boise, Idaho

Dear Mr. McAtee:

This letter is to supply you with more details about the proposed placer mining operation to be conducted by W. F. Ingram and myself.

The property consists of 460 acres in Sections 10 and 15, Township 7 South, Range 45 East of the Willamette Meridian, Baker County, Oregon. Mr. Ingram and I have signed a mining lease on the property which was prepared by the lessors and we are currently awaiting their signatures. Three hundred forty (340) acres are patented, and the balance consists of six placer claims of 20 acres each.

The property is located on Pine Creek in the Cornucopia mining district. Over $60,000.00 in gold has been extracted from the property by the drift method, which proved uneconomical to the former operators.

We propose to employ an open-cut method of mining, with bulldozers and power shovels to make the cut to bedrock, and the gold separated by washing. It is estimated that this method of mining can be conducted at a cost of $0.50 per cubic yard of gravel.

We estimate there are 20,000,000 cubic yards of gravel to be mined at an overall average value of $0.98 per cubic yard, which was the value placed on the property by the Morrison-Knudsen Company in 1940. No mining operations have been conducted on the property since 1940.

We hope to begin operation this spring, and anticipate a 1,000 yard per day processing capability.

Enclosed are personal financial statements from Mr. Ingram and myself. Any consideration you can give this request will be greatly appreciated.

Very truly yours,

L. W. HAWK

BANK OF IDAHO
VISTA AVENUE OFFICE
BOISE, IDAHO
Box 4037, 83705

March 7, 1967

Mr. L. W. Hawk
3702 Hillcrest Drive
Boise, Idaho.

Dear Mr. Hawk:

Thank you for the opportunity to consider your loan request in the minimum amount of $50,000.00 to finance a gold mining operation in Baker County, Oregon.

After careful consideration of the information provided us, we regret that there is no money available from this bank for this loan at the present time.

Very truly yours,

R. W. Beuttel,
Assistant Vice President
and Manager

RWB-mm

First Security Bank of Idaho N.A. refused our application for loan, but declined to put refusal in writing.

Apr 3 1967

PROSPECTING AND MINING LEASE
(Loleta H. Steinmetz et al to Frank Ingram et al
On Pine Creek Placer)

THIS PROSPECTING AND MINING LEASE, made and entered into this 15th day of ~~January~~ March, 1967, by and between LOLETA H. STEINMETZ, a widow, DAVID STEINMETZ and RUTH STEINMETZ, his wife, and DONALD H. STEINMETZ and IVA JEAN STEINMETZ, his wife, as Lessors, and ~~FRANK INGRAM,~~ W. F. INGRAM and L. W. HAWK, as Lessees,

WFI LWH

WITNESSETH:

That WHEREAS, the Lessors are the owners of that certain mining property lying along or in the vicinity of Pine Creek, in Baker County, State of Oregon, consisting both of patented lands and unpatented placer mining claims, being divided for convenience of description into two parcels and more particularly described as follows:

PARCEL A - PATENTED LANDS:

The SW¼ of NE¼, the E½ of SE¼, NW¼ of SE¼ in Section 15, Township 7 South, Range 45 East of Willamette Meridian; and the E½ of NW¼; the NE¼ of SW¼; W½ of NE¼ of SE¼, and W½ of W½ of NE¼ in Section 10, Township 7 South, Range 45 East of Willamette Meridian in Baker County, State of Oregon.

PARCEL B - UNPATENTED MINING CLAIMS, the names thereof and the volumes and pages of the Records of Placer Locations of Baker County, where the respective location notices thereof are recorded being as follows:

NAME OF CLAIM	BOOK	PAGE
Red Bird	J	256
Big Hole	J	257
Gray Eagle	K	321
Eagle	J	254
White Fir	J	254
Justice	K	363

To which volumes and pages of the public records aforesaid reference is hereby made for a more full and complete description of the said mining claims and the ground respectively covered thereby.

CORNUCOPIA PLACERS
P.O. BOX 1617
BOISE, IDAHO 83702
(ITEM 2)

EXHIBIT "B"

Together with all water and water rights, ditches and ditch rights, appurtenant thereto or used in connection therewith, including but not limited to rights out of Pine Creek as evidenced by Application No. 28386, filed with the State Engineer of the State of Oregon, and Permit No. 26604, issued thereon.

SAVING and EXCEPTING from the said real property and mining claims above described, both patented and unpatented, all rights of way for ditches, pipe, power and telephone lines, roads and other easements now existing upon or across the same, or any portion thereof.

And WHEREAS, the Lessors and Lessees now desire to enter into a prospecting and mining lease for the prospecting and testing of the said mining ground, both patented and unpatented, and, if the Lessee so elects, the mining and development thereof upon a royalty basis in accordance with the terms and conditions hereinafter set forth.

NOW, THEREFORE, in consideration of ONE DOLLAR ($1.00) to them paid, the receipt of which is hereby acknowledged, and in further consideration of the prospecting and testing work to be performed by the Lessees hereunder, and the royalty and advance royalty payments to be made pursuant hereto, the Lessors do hereby lease, demise and let unto the said Lessees the said real premises and mining claims, both patented and unpatented, with the water rights and other privileges pertaining thereto, and subject only to the reservations and exceptions above set forth, for prospecting and mining purposes, and incidental uses connected therewith, for the term of twenty (20) years from and after this date, unless sooner terminated or forfeited by the Lessors on account of default on the part of the Lessees as hereafter provided, or abandoned by the Lessees as hereinafter specified, with an option to renew for additional and successive twenty (20) year periods as hereinafter mentioned, and the said Lessors do hereby give and grant to the Lessees during the term of this lease and the extension thereof, if extended, the sole and exclusive right and privilege to prospect, sample and test the same, by such means and methods as they may elect (subject only to the requirements hereinafter set forth),

and to mine, develop, operate and extract gold, silver and other metals and minerals therefrom, and to appropriate the proceeds thereof to their own use, subject to the payment of the royalty and the performance of the conditions hereinafter set forth. This lease, and the mining and prospecting operations to be conducted by the Lessees hereunder, shall be subject to and performed according to the following terms and conditions:

(1) The Lessees shall during the prospecting period and prior to November 1, 1967, commencing as soon as practicable in the spring, make an open cut, starting from some point on the lower portion of the property, selected for the commencement of mining operations, and running on a water level grade for the full feasible width of the canyon in an upstream direction until bedrock is exposed, and so as to make as large an excavation as possible to the end that the greatest possible area of bedrock will be uncovered for testing. This area of bedrock is to be the fullest possible width permissible in the canyon at that point, and perhaps a hundred yards long. It is recognized that bedrock may be an estimated sixty feet deep more or less at this location in the canyon, but regardless of depth, a systematic sampling and testing is to be carried out from the surface all the way down to bedrock by Lessees and a detailed log kept showing the results of the testing, and a copy thereof and of all assay returns, maps, engineers' reports and other data prepared in connection therewith, shall be furnished to Lessors currently, to the extent convenient, and in any event upon the close of Lessees' sampling program and prior to any termination or abandonment hereof.

(2) This lease is for prospecting and mining purposes, and other incidental uses connected therewith only. The Lessees shall, however, as a part thereof have the right to construct, install and maintain upon the said leased premises, any buildings or other structures or improvements that they may desire, and shall have the right and privilege to utilize the grazing upon the patented land, and to the extent of the Lessors' rights thereto,

upon the unpatented claims. Lessors reserve the right to use and utilize the said premises for other purposes, including recreation, and shall have the right to occupy any of the buildings thereon not being currently utilized for mining. All such uses by the Lessors shall be conducted, however, in such a manner as not to in any way interfere with the Lessees' prospecting, mining or grazing activities, and in case of conflicts of use, the use by Lessees shall always prevail.

(3) All development work and mining operations performed upon the said property by the Lessees shall be done in a good and minerlike manner in accordance with standard and economical mining practices, so as to accomplish the maximum recovery of mineral therefrom and with due regard to the development and preservation of the said properties as a workable mine. Such operations shall further be subject to all state and federal laws, regulations and restrictions applicable thereto, and Lessees assume responsibility for compliance therewith and will save the Lessors harmless from liability, obligation or expense on account thereof. In connection therewith Lessees will protect, defend and save harmless the Lessors and their premises against all actions, suits, proceedings, claims, demands, decrees or judgments asserted or procured by any person, firm, corporation or governmental agency, which arise out of the use and occupancy of said premises by Lessees, or their operations thereon, including fire protection and abatement; and if Lessors elect to personally defend against any such claims, demands, suits or actions, Lessees will promptly reimburse them for all outlays made by them in connection therewith, including reasonable attorneys' fees incurred by reason thereof. Such operations, including those conducted during the testing period, shall utilize to the fullest possible extent any and all water rights appurtenant to the said premises, to the end that said water rights will be at all times maintained in full force and in good standing, and that final proof showing completion of construction and full application of water

under the terms of the existing permit may be made at the earliest practicable date.

(4) All of the products from the said leased properties, containing mineral values, including those recovered during the preliminary prospecting period, and whether the same be in the form of gold dust, nuggets, retort sponge or otherwise, shall, unless divided between the parties in kind as hereafter set forth, be shipped by the Lessees to such standard and reputable mint, smelter or other place of sale as the Lessees may select, and Lessors shall receive as royalty 10% of the net returns recovered therefrom. The term "net returns" as used herein shall be construed to mean the net amount shown due by the mint, smelter or other place of sale to which said minerals are shipped, as indicated by its returns or settlement sheets, less all charges made or deducted by it for treatment and penalties, and less all transportation charges from the mine to the mint or smelter; except that the Lessees shall pay transportation charges from the mine to the nearest railway shipping point in the event shipments are made to mint or smelter by railway. If any shipments are transported by truck, the entire cost of truck transportation shall be deducted by the mint or smelter before returns are distributed to the parties hereto. There shall be no other deductions whatsoever, except severance or production taxes if any. If any severance or production tax should hereafter be levied by duly constituted authority, the Lessees shall be entitled to deduct the same from each shipment before computing royalties thereon. Should any subsidy or other bonus payment hereafter become available upon gold or other minerals recovered from said properties, the amount of such subsidy or bonus shall be added to the sales price in computing royalties so that Lessors will receive their appropriate percentage thereof. Royalty accountings shall be made monthly and settlements accomplished on or before the 10th day of each calendar month, covering production during the preceding month. At the time of each monthly accounting the Lessees shall submit to Lessors a statement of the shipments upon which returns have been

so received, together with all deductions therefrom and adjustments thereto, and shall accompany the same with duplicate copies of the mint or smelter returns or settlement sheets. Except for any materials which cannot be readily divided without processing, the Lessors reserve the right to receive their royalties in kind. In such event division shall be made at the time of each clean-up and delivery of their one-tenth portion shall be made in kind at Halfway, Oregon, either to one of the named Lessors or to their duly appointed agent designated in writing for such purpose.

(5) The Lessees covenant with and warrant to the Lessors that they shall receive from royalties or otherwise, including the value of materials divided in kind, commencing with December 1, 1967, not less than $600 per month from the Lessees' operations hereunder. If during the month of November 1967, production has not been commenced, or royalties accruing therefrom, including any division in kind, amount in value to less than $600, the Lessees shall cause to be paid on or before December 1, 1967, such sum as is necessary to make up any deficiency between the royalties previously received and said minimum guarantee of $600 per month, and shall make like remittances on or before the 1st day of each and every month thereafter throughout the life of this lease, or any extension thereof. All such payments to the extent the same are made in advance of, or in excess of, the royalties actually accruing from production, shall be treated as advance royalties, and Lessees shall be entitled to reimburse themselves and claim credit for all sums so paid as advance royalties from royalties actually accruing from production after operations are commenced, to the extent the same shall exceed the $600 per month minimum. If after mining operations are commenced upon the said leased properties, and Lessees have reimbursed themselves and secured credit for all advance royalties previously paid, the royalties accruing during any month (including the value of any divided in kind) shall amount to more than said minimum guarantee, Lessees shall then be entitled to claim credit for any surplus over such minimum upon any subsequent

months when royalties shall amount to less than such minimum, or when operations are shut down from any cause.

(6) Lessees covenant and agree to pay and satisfy in full all expenses for labor, materials and supplies, or other lienable indebtedness, which may be incurred in their prospecting or mining operations, development or construction work upon the said leased properties, and further covenant that no liens or charges of any kind or nature shall be permitted to accrue or be filed against the said leased properties or any portion thereof on account of any of the operations of the Lessees thereon, and to save the Lessors and the said leased premises harmless from any and all liability or expense on account thereof. The wages of all workmen employed upon said property shall be paid at least every two weeks and all materials and supplies purchased for use upon said property shall, so far as is reasonably possible under ordinary operating conditions, be paid for either in cash or upon a monthly basis, and any portion thereof not so paid for, together with all transportation charges and any expenses for Workmen's Compensation or Unemployment Insurance, or any other lienable indebtedness, shall be promptly paid and satisfied at the time the same fall due and before the same or any portion thereof becomes delinquent.(6A) The Lessors shall have and they are hereby given a lien upon all of the machinery and equipment, tools and supplies of the Lessees placed upon or used in the prospecting, mining or operation of the said leased properties, to insure the compliance by the Lessees of their obligations assumed under the foregoing clauses (3) and (6) to protect the said property against liens and other obligations incurred by them, and to require the accounting for royalties accruing under the provisions of clause (4) thereof, and to indemnify the Lessors against loss or expense arising through or as a result of Lessees' defaults thereunder, which lien shall be in the nature of a mortgage or security interest, and shall arise and attach against all of said machinery and equipment (or the Lessees' interest therein if being

purchased under contract) prior to any and all other liens or encumbrances placed thereon by or through the Lessees hereafter, as soon as any lienable indebtedness or other obligation is asserted, or royalties become delinquent, and shall continue until such time as all of said lienable indebtedness, obligations or royalties have been fully paid, and any loss, cost or expense to the Lessors arising as the result of liens filed or other obligations asserted has been satisfied. Lessees shall upon request execute and deliver to the Lessors for filing any financing statement that may be required to properly preserve and protect such lien under the Oregon Uniform Commercial Code, and such lien or security interest so reserved to the Lessors may be foreclosed if need be, in the same manner as provided by law for the foreclosure of security interests upon personal property by suit in equity in the Circuit Court of the State of Oregon for Baker County. In such suit the Lessees will be entitled to recover, in addition to their costs and disbursements, a reasonable sum to be allowed by the court as attorney's fees to be added to the lien.

(7) The Lessees shall in connection with their prospecting and mining operations and development work upon the said leased properties, perform all labor and make all expenditures each year upon or for the benefit of the unpatented mining claims so as to comply fully with the laws of the United States of America relating to annual labor and assessment work, completing the performance thereof not later than one month prior to the final date (presently September 1) under existing law, and shall prepare, execute and file proper and timely proofs of labor showing the performance thereof with the County Clerk of Baker County, Oregon, to the end that all of said claims which remain unpatented shall at all times be kept and maintained in good standing throughout the life hereof. A copy of the proof as filed shall be currently transmitted to the Lessors. The Lessees, as part of the consideration of this lease, assume the absolute obligation to perform sufficient work on said property in connection with their testing program so as to comply

with the assessment work requirement for the fiscal year ending September 1, 1967, and to file proof of labor therefor before any abandonment.

(8) The Lessees shall have the right if they desire at any time during the life of this lease to prosecute patent proceedings upon all or any number of the said unpatented mining claims covered hereby. The Lessors agree to cooperate fully in any such proceeding and to execute all statements and affidavits in connection therewith which may be required upon request. The expense of such proceeding shall be borne by the Lessees and the title secured thereby shall inure to the benefit of the parties hereto as their interests may appear.

(9) The Lessors, in person or through their duly authorized agents and representatives, shall have full access to all portions of the said leased properties for the purpose of inspecting the prospecting, sampling and mining operations and development work being conducted thereon at all times during the life of this agreement and shall have the right and privilege of being present at all clean-ups during both prospecting and mining operations; to physically assist in the handling thereof and accompany the material recovered until such time as a physical division is accomplished or the same is delivered to an impartial agency for shipment. If Lessors so desire and request in writing, they shall have 24 hours advance notice of such clean-ups. Lessors shall also have the right to examine during regular business hours the books and records of the Lessees pertaining to the operation of said property, which said books and records, or duplicates thereof, shall be kept and maintained either upon said property, or at some other location of which Lessors shall be advised within Baker County, Oregon. Lessees shallmaintain adequate and complete records and accounts of all their operations upon said premises, and of all extractions and shipments and receipts from shipments.

(10) All property taxes levied against the real premises covered hereby, including any buildings or improvements becoming a part thereof, commencing with those assessed for the fiscal year 1967-68, shall be borne equally by the parties hereto, with the Lessors paying one-half and the Lessees the remaining half. The Lessees will currently pay before delinquency all taxes which may be levied or assessed against machinery, equipment and supplies placed thereon by them and remaining their property.

(11) The Lessors covenant with and warrant to the Lessees that they are the full and lawful owners of the patented properties above described in fee simple, and of the full possessory title in and to the unpatented mining claims, by virtue of prior, valid and subsisting mineral locations thereon, and that both patented and unpatented properties are free from all encumbrances excepting only the paramount title of the United States as to the mining claims and the reservations and exceptions above noted. Lessors further covenant to protect the Lessees in the quiet and peaceable enjoyment of all the rights and privileges granted hereunder throughout the term of this lease and any extension thereof, subject only to such reservations and exceptions and to compliance by the Lessees with their obligations assumed hereunder. Should a title examination disclose any defects or encumbrances in and to the title to said properties, either patented or unpatented, the Lessors shall have a period of sixty days after their attention is directed thereto within which to correct or remove such defects or encumbrances, at the end of which period the Lessees may proceed to correct and remove the same themselves, deducting the reasonable cost thereof, including attorneys' fees, from future royalty and advance royalty payments to accrue.

(12) At any time after, but not before, the completion of the cut to bedrock and the detailed sampling specified in paragraph (1) hereof, and furnishing to Lessors with appropriate data showing the result thereof and the completion of the assessment

work for the fiscal year 1966-67, and the filing of proof therefor, the Lessees shall have the right to abandon this lease and surrender the property covered hereby at any time, upon giving to the Lessors written notice of their intention so to do. Upon the giving of such notice, the payment of any accrued royalties to the Lessors hereunder and the satisfaction of all indebtedness which might constitute a lien against said property, such surrender and abandonment shall relieve the Lessees from any further or future obligations hereunder (including any liability to make advance or minimum guaranteed royalty payments thereafter), but shall not affect any liability already accrued and arising from prior failure of performance.

(12A) If the Lessees abandon this lease and surrender back the property before the completion of the cut to bedrock and the detailed sampling contemplated in Clause (1) hereof, their liabilities under this lease shall be limited to:

(a) the value of any work done by them on the leased premises;

(b) the value of any buildings, power lines and similar permanent improvements placed by them on the property;

(c) the value of the annual assessment work required on the unpatented claims for the fiscal year 1966-67;

(d) their pro-rated share of real property taxes levied against the premises for the time this lease remained in force;

(e) 10% of the net returns from any minerals recovered during the time they were actually in possession;

(f) the amount of any liens placed against the premises arising out of the Lessees' possession and operation;

(g) the sum of $200.00 for each month or part thereof during which this lease remained in force prior to giving written notice of abandonment, which sum is declared and agreed to be liquidated damages andnot a penalty.

The sum of $200 per month referred to in subparagraph (g) above shall in no event be payable until and unless the Lessees abandon the premises and their mining and prospecting operations before the completion of the cut to bedrock contemplated in Clause (1) of this lease.

(13) All buildings, power lines and similar permanent improvements placed upon the leased premises by the Lessees during the term of this lease or any extension or renewal thereof shall be deemed and considered as a part of said leased premises, and shall be left thereon at the expiration of said term or extension, or upon any sooner termination or abandonment hereof, but all mining and prospecting machinery and equipment, tools and supplies, which may be installed or used upon said property by the Lessees in connection with their operations hereunder, regardless of size, weight or manner of annexation, shall remain the property of the Lessees and may be removed by them at any time prior to the expiration of said term or extension, or any sooner termination or abandonment hereof, or within the periods hereafter specified thereafter, so long as they are not in default under the provisions of Clauses (3), (4) and (6), and the lien or security interest herein reserved in clause (6A) in favor of the Lessors has not arisen and attached to the same. The right of removal shall be suspended in the event such lien shall have attached thereto until such time as the same shall have been fully satisfied and released. Upon any termination or abandonment hereof, if Lessees are not in default as above specified, it is understood that the Lessees shall remove all such machinery and equipment belonging to them within a period

of six months thereafter, and shall have full and free access to the said premises for the purpose of accomplishing such removal. All machinery and equipment left and remaining upon said property at the expiration of such period shall be forfeited to Lessors and shall be deemed and become a part of said leased premises, unless the removal thereof should have been prevented through the lien arising under clause (6A) as above mentioned, in which event the Lessees shall have sixty (60) days after the removal of such lien by full satisfaction thereof within which to complete the removal. In accomplishing such removal the Lessees shall do no unnecessary damage to the buildings or other improvements of the Lessors upon said property, and if damage be unavoidably caused, shall forthwith restore the same to as good condition as before.

(14) The Lessees shall have the sole and exclusive right, privilege and option to renew this lease at the end of said twenty year term, if all the mineral deposits contained in the leased properties have not been completely mined out and exhausted at that time, for an additional period of twenty years, upon the same terms and conditions and subject to the same royalty and advance royalty payments as herein set forth, provided always that this lease shall be in good standing and in full force and effect at the expiration of said twenty year term. If at the expiration of the initial extension such mineral deposits have still not been exhausted, the Lessees shall have the option to secure such additional and successive twenty year renewals as may be required to completely exhaust the same. Such options to renew shall be exercised by the giving of written notice to Lessors by Lessees at any time prior to the expiration of the original or any extended term, and upon such notice being given this lease and all the terms and conditions thereof shall automatically be extended for an additional term or terms of twenty years each without the necessity of any further documents being executed in that regard.

(15) The royalty and advance royalty payments provided for hereunder shall be made by delivering the same to such person, bank

or agency, as Lessors may select, and direct the Lessees in writing, and such person or agency shall divide the same between the Lessors and make disbursement among them in such proportions as they may likewise direct. Otherwise, all notices or communications to be given by either party hereto shall be in writing and transmitted by registered or certified mail to the Lessors in care of David M. Steinmetz at Route 2, Box 580, Beaverton, Oregon, and to the Lessees in care of Frank Ingram at 6006 Cruzen Drive, Boise, Idaho, or to such other address as shall be given in writing by the parties from time to time. Personal delivery of any such notice or communication to any one of the Lessors by the Lessees, or to any one of the Lessees by the Lessors or their agent, shall be valid in lieu of the use of the United States mails as aforesaid.

(16) The Lessors are entering into this lease in reliance upon the financial responsibility, integrity and experience of the Lessees. The Lessees shall have the right to associate other persons with them in connection with the operation of said property and to assign interests in this lease to any such person or persons, who shall then become bound by all the terms and conditions hereof, but this lease may not be assigned by the Lessees so that they no longer retain control over the operation without the written consent of the Lessors to such assignment being first had and obtained. Otherwise, this agreement shall run to, be binding upon and inure to the benefit of the parties hereto, their heirs, personal representatives and assigns respectively.

(17) Time is of the essence of this agreement and should the Lessees fail to keep and perform all of the terms and conditions hereof on their part to be kept and performed, then the Lessors may at their election terminate the same by giving notice in writing to the Lessees specifying the default. If within ten days after the receipt of such notice, in case of failure to make the royalty and advance royalty payments herein provided for, or the filing of a lien or liens upon said property, or within thirty days in case of any other default, the Lessees shall make such payment, satisfy

or adequately secure and contest in good faith any such asserted lien or liens, or remedy such other default, this lease will then be reinstated and in good standing; however, upon failure to pay and satisfy or otherwise correct the same within such respective periods, the Lessors may then, without further notice or demand, and so long as such neglect or default continues, forthwith terminate this lease and fully repossess themselves of the said leased premises, retaining all payments previously made as rental, and expelling the Lessees or those claiming through or under them, forcibly if necessary, without being deemed guilty of trespass and without prejudice to any other rights which might otherwise accrue to them for the violation of the terms and conditions hereof; particularly without prejudice to their right to receive and require an accounting for all royalties accruing from prior production in excess of the advance royalty payments, require the satisfaction of all lienable indebtedness or other obligations chargeable against them which have been theretofore incurred, and to enforce the lien or security interest herein reserved should such indebtedness or obligations remain unsatisfied. After such default and termination of this lease, the Lessees shall have no further rights in or right to the possession of the said leased premises or any part thereof, except for the purpose of accomplishing the removal of their movable machinery, equipment and supplies as hereinabove set forth, subject to and after the satisfaction of the Lessors' lien thereon, if such a lien shall have arisen.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

Loleta H. Steinmetz

Loleta H. Steinmetz

David Steinmetz

David Steinmetz

Ruth Steinmetz

Ruth Steinmetz

Donald H. Steinmetz

Donald H. Steinmetz

Iva Jean Steinmetz

Iva Jean Steinmetz
LESSORS

~~Frank Ingram~~ F.W.I.

W. F. Ingram

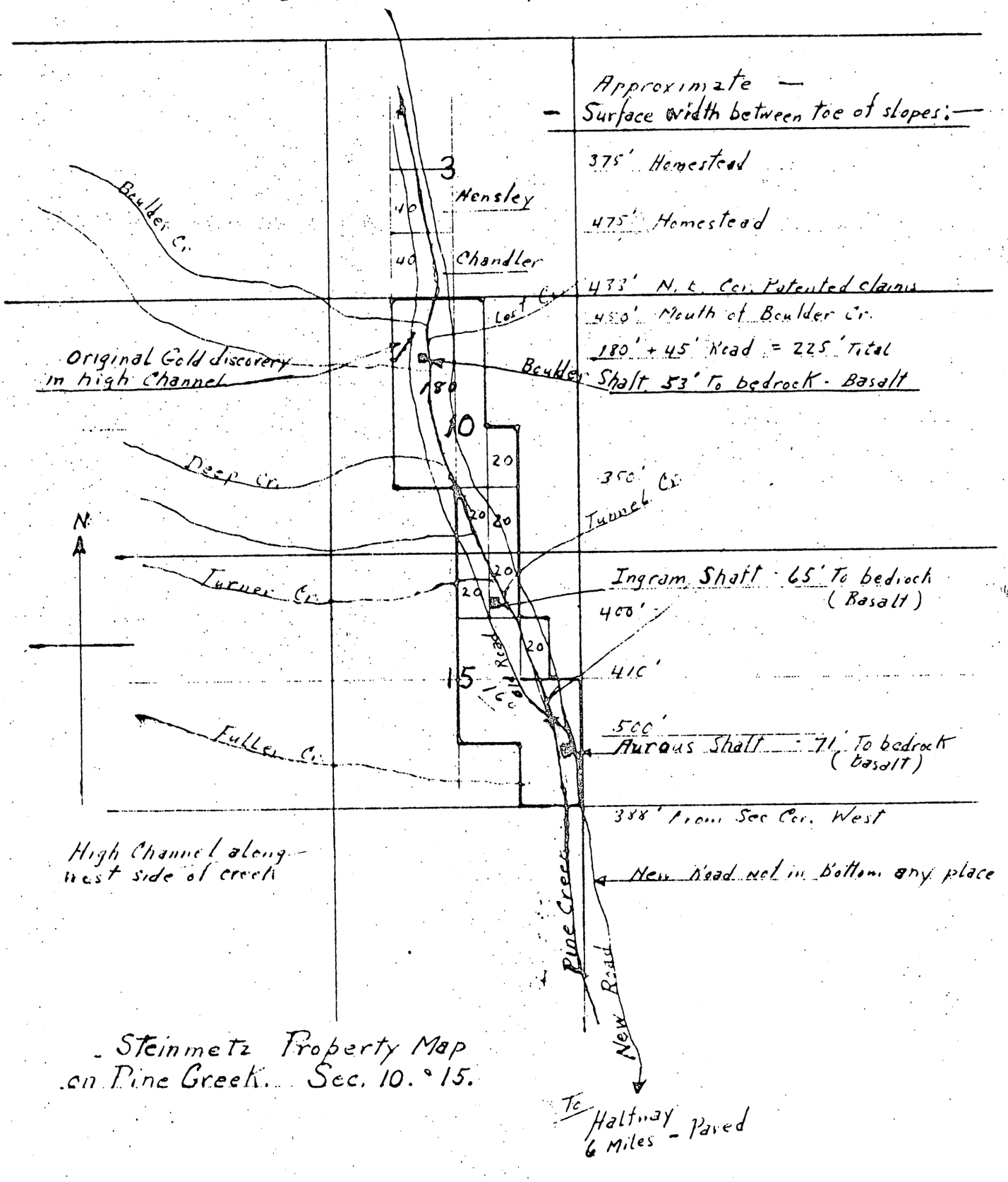
W. F. Ingram

L. W. Hawk

L. W. Hawk

LESSEES

TOWNSHIP 7 S., RANGE 45 E. W.M.
BAKER COUNTY OREGON



Steinmetz Property Map on Pine Creek. Sec. 10. & 15.

EXHIBIT "C"

CORNUCOPIA PLACERS
P.O. BOX 1617
BOISE, IDAHO 83702
(ITEM 3)

STUDY OF BOULDER SHAFT WORKINGS
Pine Creek, Halfway, Oregon
Compiled from data furnished by Pine Creek Placers, Inc., and results of tests made from July 1, 1940 to July 12, 1940 by Morrison-Knudsen Co., Inc.

ASSUME Total area explored 360' long 90' wide 53' deep

Total area 32,400 square feet
Total area 3,600 square yards
Total area 63,600 cubic yards

Material removed from drifts 1375' long 7' high 9' average width 3208 cu yds

Drift area 1375 x 9 x 53 equals 665,875 cu ft equals 24,291 cu yds
$40,000.00 amount of gold sold from drift area
$40,000.00 divided by 12375 equals $3.23 per sq ft for 7' high drift.

53' minus 7' equals 46' heighth from top of drift to surface.
1x1x46 equals 46 cubic feet top of drift to surface.
46 divided by 27 equals 1.7 cu yds in 1 ft square area from top of drift to surface.
1.7 cu yds x .09 equals $0.153 in 1 ft square area from top of drift to surface.
$3.23 plus $0/153 equals $3.383 in area 1 ft square from bedrock to surface or in 2 cubic yards.
$3.23 divided by 2 equals $1.691 per cu yd average over entire mined area, figuring from bedrock to surface.

Unmined area in explored zone:

Total area	32,400 square feet
Drifted area	12,375 square feet
Unmined area	20,025 square feet

20,025 x 53 equals 1,061,325 cu ft or 39,309 cu yds yet unmined.

TESTS BY M-K Co in unmined area

1st	17 feet from surface	$0.015 per cu yd
next	15 feet from surface	.020 per cu yd
next	15 feet from surface	.25 per cu yd
next	3 feet from surface	.44 per cu yd
next	3 feet from surface	6.63 per cu yd
General average surface to bedrock		$0.44 per cu yd

.48 —

VALUES REAL AND ASSUMED IN EXPLORED ZONE

Gold produced from mined area	3208 cu yds	$ 40,000.00
Gold assumed above mined area	24,083 x 9¢	1,897.47
Gold assumed in unmined area	39,309 x 44¢	17,296.96
	63,600 cu yds	$ 59,193.43 or $0.93 gen average

The above figures do not take into consideration any gold which may have been high-graded

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(ITEM 3)

EXHIBIT "I"

PINE CREEK MINING COMPANY

LOCATION.

The holdings of the Pine Creek Mining Company are located in the upper end of Pine Valley in Section, 10, South Range 45 EWM, Baker County, Oregon. The property consists of 180 acres of patented ground extending for three quarters of a mile along the valley of Pine Creek and is approximately eight miles from the town of Halfway, Oregon. Robinette, the nearest railroad point is 23 miles from the mine. The present operation is but a few hundred feet from a county road which connects with a State Highway at Halfway. Baker, the nearest large town, is 75 miles to the southwest.

NATURAL FEATURES:

The property lies at an elevation of approximately 4000 feet above sea level. Pine Creek, which flows through the entire length of the 180 acre tract, is a rapid stream having an all year volume large enough to supply all the needs of a large size placer operation. The present Company holds water rights on 320 miners' inches from the main stream and 200 inches from a tributary stream. The water from main Pine Creek is ditched one and one quarter miles to a point directly above the property where a fall of approximately 225 feet is available for any hydraulic operation which may be undertaken.

An abundance of fir and pine timber is available for building and mining purposes or for use as camp fuel.

HISTORY AND PRODUCTION OF THE DISTRICT.

The Cornucopia Mining District, in which the property lies, has long been known as the leading gold producing area in Eastern Oregon. Since 1896, the mines of the district have produced in excess of $8,000,000.00 in gold and silver. While the larger share of this production has been from quartz mines, the former spasmodic placer mining operations have played an important part in building up the total production of the district.

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EXHIBIT "J"
(ITEM 3)

The property of the Pine Creek Mining Company was first worked in 1912 when a hydraulic operation on what is known as the "high channel" was started and carried on for about a year with an estimated production of about $150,000.00 in gold. The channel was lost, however, and no systematic effort to relocate the pay streak was made. The property was subsequently allowed to be idle until the present Company was formed in 1934.

The higher price for gold and the resulting increase in placer mining activities influenced the present operators to sink a shaft in the creek channel in an attempt to prove the existence of a new or later channel in which a concentration of the gold values could be expected. The shaft was started in December, 1933, and bed rock was encountered at a depth of 53 feet where high values in coarse gold were found to exist. From March 21st to October 10th, 1934, a certified statement from the First National Bank at Halfway shows that a total of $29,662.27 has been shipped from the present operation. The success of the Pine Creek Mining Company led to the starting of six other operations along a five mile section of the Creek all of which are in various stages of development.

GEOLOGY.

The productive section of the Cornucopia District is concentrated in an area about 5 miles square. This area consists of metamorphosed sedimentary rocks which have been intruded by granite and later by a series of basaltic flows and dikes. A number of quartz veins traverse the district, several of which have yielded large amounts of gold and silver. Glacial erosion has been extensive and the indications are that the present topography has been greatly lowered by this erosion. It is probable that the upper portions of these gold quartz veins are the source of the Pine Creek placer deposits. Portions of the glacial moraine can be traced to the Pine Creek property where the gold has been further concentrated by the action of water into two channels, the high channel, worked by hydraulic methods in the early days and the new channel which is being worked at present by underground methods.

The placer gold is extremely coarse, the pieces ranging in value from a few cents to as high as $16.00 for a single nugget. Five dollar nuggets are common.

The values are very erratic in their distribution, being deposited in pockets or narrow channels. The principal values lie on the basaltic bed rock although large nuggets and extremely rich ground has been found as high as 8 feet above the bed rock. This uneven distribution of the values makes an estimation of the average

gold content per yard of gravel difficult but it ranges from a few cents per yard on the extreme outer edges of the channel to as high as $150.00 per yard in the richer pocket areas. The writer, during one of his numerous visits to the property, helped to pick up two ounces of coarse gold from an area of bed rock not more than two feet square. The gold ranges in fineness from 837 to 844.

DEVELOPMENT AND MINING.

The present new channel operation is being carried on through a single compartment shaft 53 feet deep. A total of 1400 feet of drifting and crosscutting has been done since the shaft reached bed rock.

Mining is carried on by advancing prospect drifts or crosscuts into favorable areas. If pay ground is indicated by the tests, the favorable ground is removed by a modified long wall and back filling method similar to that used in coal mines. As many of the boulders as possible are left in the mine as fill after the bed rock has been thoroughly cleaned. Although the ground is not heavy, the entire mined area is timbered to protect the miners from falling boulders. No powder is used in the mining operation except for the occassional block-holing of a large boulder.

The pay dirt is picked from the face, wheeled to the shaft in wheelbarrows, hoisted to the surface and washed in an ordinary sluice box. Large boulders are washed and used as fill in the mine. The greater portion of the values are caught in the first two riffles. Many of the larger nuggets are picked directly off the basaltic bed rock.

Although the workings are in part directly under the present bed of Pine Creek, very little water seeps into the mine and it is necessary to pump only about 40 gallons per minute.

EQUIPMENT.

The following buildings and items of equipment are in use or available at the property:

1 Head frame and hoist house.
1 Blacksmith shop with shop equipment.
1 Miners change room.
3 Four room modern houses - water and sewage system.
4 Camp cabins.
1 Electric hoist - in operation.
1 Electric Hoist - in reserve for second shaft.
4 Electrically driven pumps.
1 110 Cubic foot gasoline engine driven compressor.
3 10 K.W. Transformers.

Miscellaneous items of electrical equipment, pipe and tools
Large pipe and equipment for hydraulic mining.

Electrical power is purchased from the Idaho Power Company and is used on the Hoist, pumps and for lighting purposes.

The total cost of surface improvements and equipment is estimated at $12,000.00

CONCLUSION.

The early hydraulic operations explored a strip of the high channel from 20 to 40 feet in width and about 700 feet long from which $150,000.00 was reputedly extracted. Bank records on the present operation in the new channel show a production of $29,662.27 for six months in 1934 or a total of approximately $180,000.00 produced from less than a quarter mile of creek bottom. The present Company holds three quarters of a mile of creek bottom of which less than one third has been worked or explored. Other placer mining operations along the Creek prove that the values extend both above and below the Pine Creek property. In view of these considerations, there is no reason to believe that the unexplored areas on this property should not prove just as productive as that small portion already worked.

November 14th, 1934.

J. A. Hedlick

EXHIBIT "J"

Pine Creek Gold shipments

1.

3

	Fineness	OZ	Silver	Dollars
1	843 1/2	54 17	3 76	1599 22
2	844 3/4	31 69	2 14	966 95
3	840 3/4	30 96	2 19	1102
4	842 1/4	44 67	3 05	1316 81
5	843 1/2	34 82	2 26	1027 85
6	841 3/4	39 38	2 53	1160 14
7	840 1/4	38 78	2 69	1140 44
8	839 1/2	35 75	2 44	1056 42
9	841	35 72	2 42	1051 [illegible]
10	841 3/4	35 77	2 46	1053 [illegible]
11	842	35 79	2 46	1054 72
12	839 3/4	35 77	2 44	1051 30
13	842	35 77	2 41	1051 47
14	840	35 73	2 43	1050 46
15	839	35 74	2 51	1049 48
16	840 3/4	35 75	2 47	1051 96
17	840 3/4	35 72	2 42	1051 09
18	840 3/4	35 69	2 41	1050 21
19	841 1/2	35 69	2 46	1050 84
20	841 3/4	35 71	2 46	1052 03
21	842 1/2	35 74	2 50	1063 85
22	840 1/2	35 60	2 52	1047 24
23	840 3/4	35 73	2 53	1050 77
24	841	47 12	3 33	1386 95
25	842	44 50	3 33	1311 42
26	839 3/4	28 77	2 18	845 51
27	839 3/4	23 30	1 91	684 81
28	839 3/4	23 30	1 91	684 81
29	843	14 15	1 18	417 48
30	838 3/4	41 29	3 54	1212 09
31	838 3/4	41 29	3 54	1212 09
32	843 1/4	18 75	1 50	553 35
33	840 3/4	21 40	1 [illegible]	629 72
34	839 1/2	4 21	40	122 69
35	842 1/4	6 [illegible]	65	177 45
36	839	22 34	2 64	656 01
37	839	22 34	2 64	656 01
38	846 1/2	27 86	1 81	825 40
39	842 1/2	14 35	91	419 30
40	848	16 45	101	488 21
			9525	37197 [illegible]

EXHIBIT "F"

CORNUCOPIA PLACERS
P.O. BOX 1617
BOISE, IDAHO 83702
(ITEM 3)

Pine Creek Gold Shipments

	Fineness	oz	Dollars Silver	Gold Dollars
			95 25	87 197 90
		11 87	70	333 91
41	846 3/4	16 20	1 02	478 88
42	843 3/4	22 18	1 49	647 99
43	834 3/4	22 18	1 49	647 99
44	834 3/4	8 90	46	261 94
45	840		100 41	40 638 11

EXHIBIT "F"

Following is part of daily clean up record of gold values, by we did some drift mining Pine Creek Mining Co. First shaft ever sunk to bed rock in lower channel of Pine Creek, in year of 1933 & 1934.

Size of bucket used to hoist gravel from shaft had a capacity of 2.25 cu-ft or 12 buckets for one cu-yd of gravel.

Date.	Clean up No.	No. Buckets.	Values.
April 1-34	97	20	$ 15.96
2 1 "	98	31	26.90
Day. 2 "	99	33	48.24
Nite. 2 "	100	28	31.86
3 "	101	16	24.09
Pump repairs five days.			
8 "	102	6	22.01
9 "	103	36	18.03
9 "	104	17	29.16
10 "	105	22	17.34
10 "	106	36	25.98
11 "	107	29	20.36
11 "	108	25	33.87
12 "	109	34	23.87
12 "	110	35	26.11
13 "	111	45	34.85
13 "	112	28	21.09
14 "	113	43	18.89
14 "	114	43	13.68
15 "	115	31	20.17
15 "	116	47	14.85
16 "	117	72	296.21
16 "	118	60	50.50
17 "	119	42	127.37
17 "	120	50	19.07
18 "	121	31	315.71
18 "	122	51	10.08
19 "	123	40	134.19
19 "	124	12	3.48
20 "	125	48	33.38
20 "	126	46	14.67
21 "	127	48	113.73
21 "	128	38	29.00
22 "	129	35	81.12
22 "	130	46	49.53
23 "	131	36	127.00
23 "	132	30	18.04
24 "	133	56	60.84
24 "	134	44	48.61
25 "	135	48	121.07
25 "	136	49	44.76
26 "	137	71	223.97
26 "	138	36	13.33
27 "	139	60	97.53
27 "	140	28	10.02

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EXHIBIT "G"

Date.	Clean Up No.	No. Buckets.	Values.
April 28-34	141	56	$ 62.00
28 "	142	32	7.15
29 "	143	51	114.77
29 "	144	58	34.42
30 "	145	35	118.44
30 "	146	44	114.90
May. 1 "	147	59	278.84
1 "	148	57	65.24
Day. 2 "	149	58	94.69
Nite. 2 "	150	40	60.84
3 "	151	65	147.37
3 "	152	46	32.71
4 "	153	58	33.02
4 "	154	27	5.19
5 "	155	55	90.31
5 "	156	32	35.25
6 "	157	53	92.33
6 "	158	49	30.69
7 "	159	66	113.43
7 "	160	53	65.30
8 "	161	33	68.79
8 "	162	27	5.68
9 "	163	55	578.47
9 "	164	54	60.35
10 "	165	29	344.15
10 "	166	49	84.69
11 "	167	42	159.11
11 "	168	31	15.65
12 "	169	42	675.82
12 "	170	43	305.38
13 "	171	38	606.79
13 "	172	34	341.70
14 "	173	25	196.84
14 "	174	59	17.55
15 "	175	72	229.49
15 "	176	40	32.16
16 "	177	44	124.50
16 "	178	60	22.50
17 "	179	46	114.04
17 "	180	65	60.35
18 "	181	73	159.29
18 "	182	56	578.35
19 "	183	68	397.29
19 "	184	68	176.84
20 "	185	58	230.22
20 "	186	37	156.23
21 "	187	53	187.54
21 "	188	59	279.57
22 "	189	61	569.18
22 "	190	70	424.62
23 "	191	56	404.62
23 "	192	40	119.24
24 "	193	57	325.74
24 "	194	49	235.12
25 "	195	63	411.41
25 "	196	45	414.59
26 "	197	58	300.85

EXHIBIT "G"

Date.	Clean Up No.	No. Buckets.	Values.
May.26-34	198	26	$ 62.86
27 "	199	43	87.32
27 "	200	58	176.11
Day.28 "	201	58	261.66
Nite28 "	202	40	249.79
29 "	203	34	46.04
29 "	204	45	69.83
30 "	205	57	291.37
30 "	206	63	287.40
31 "	207	53	269.36
31 "	208	58	111.29
June.1 "	209	58	305.01
1 "	210	40	25.09
2 "	211	61	509.68
2 "	212	26	16.81
3 "	213	44	153.11
3 "	214	65	20.85
4 "	215	49	63.59
4 "	216	43	21.70
5 "	217	67	306.36
5 "	218	44	9.90
6 "	219	49	83.77
6 "	220	51	26.47
7 "	221	74	31.72
7 "	222	42	33.01
8 "	223	66	77.59
8 "	224	54	47.39
9 "	225	50	97.71
9 "	226	35	16.77
10 "	227	59	21.89
10 "	228	37	30.57
11 "	229	64	62.98
11 "	230	59	57.05
12 "	231	60	76.27
12 "	232	44	48.43
13 "	233	68	57.11
13 "	234	46	37.54
14 "	235	92	105.66
14 "	236	52	45.0[illegible]
15 "	237	89	53.81
15 "	238	141	194.90
16 "	239	59	65.58
16 "	240	81	28.19
17 "	241	68	98.57
17 "	242	93	91.23
18 "	243	52	57.39
18 "	244	76	109.76
19 "	245	144	107.51
19 "	246	70	41.15
20 "	247	127	65.12
20 "	248	41	38.70

EXHIBIT "G"

Date.	Clean Up No.	No. Buckets.	Values.
June 21-24	249	111	$ 53.68
21 "	250	61	80.70
22 "	251	118	96.12
22 "	252	48	43.84
23 "	253	102	57.84
23 "	254	66	57.41
24 "	255	116	71.48
24 "	256	59	20.11
25 "	257	152	53.87
25 "	258	60	24.03
26 "	259	95	109.03
26 "	260	24	7.45
26 "	[illegible]	46	57.02
28 "	263	102	27.88
29 "	264	52	57.23
29 "	265	116	41.09
29 "	266	41	19.07
30 "	267	109	33.63
30 "	268	50	26.04
	Total	9190	$ 19,792.04
	Cu-yds.	765.8	$ 25.84 average.

EXHIBIT "G"

EXHIBIT "D"

CORNUCOPIA PLACERS
P.O. BOX 1617
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(ITEM 3)

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3

TIME—Week Ending Nov 1933

	NAMES			SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	TOTAL TIME	RATE PER DAY	AMOUNT $	AMOUNT Cts.
	Sample													
	4'-0	No 1												
Nov 4	8'-1"	No 2												
Nov 7	12'-1	No 3												
Nov 9	15'-0	No 4	No 5 —	Lower Riffles 1'-0 to 15'-0										
22 Buckets Nov 10	17'-6"	No 6		Hard cemented strata 2'-0										
18 Buckets Nov 12	20'-0	No 7												
20 " Nov 14	22'-0	No 8												
				Hard Concrete strata 2'-0 thick										
28 " Nov 16	25'-6	No 9		Lower Riffles 15' to 27'										
18 " spec Nov 19	27'-0	No 10	No 11	"										
28 " Nov 22	30'-0	No 12		Green gravel and loose last 1'										
31 " Nov 25	33'-0	No 13		"		"		"		"				
20 " Nov 27	35'-0	No 14			"		"		"		"			
14 " Nov 29	36'-6	No 15			"		"		"		"			

Hit Bedrock at 53 ft.

TIME—Week Ending _____ 19

		12B = 1 cu-yd NAMES	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	TOTAL TIME	RATE PER DAY	AMOUNT $	AMOUNT Cts.
25B	Dec 7	No 16 No 27 to 40 Lower 40'-0 Green Leave	[illegible]	[illegible]									
13B	" 11	No 18 41'-0 " "			"		Talk	Carried	in				
31 21 13 10B	Dec 13	No 19 43'-6" Talk gray	[illegible]	[illegible]	[illegible]	[illegible]	10B	Rock	[illegible]	[illegible]	[illegible]	[illegible]	
15B	Dec 15	No 20 45-0 Cube [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Coarse	Gold				[illegible]	
17B	" 19	No 21 47'-6" " "	lots of Talk				Coarse	Gold	and	more			
19B	" 21	No 22 49-6 " "	talk	and	[illegible]	[illegible]	[illegible]	"	"	"	"	"	
[illegible]	" [illegible]	No 23 50-6 Black [illegible]	[illegible]	Gravel	[illegible]						"	Hanger	
[illegible]	28	No 24 52-0 " "		"		"		"	"	"	"	"	"
[illegible]	29	No 25 ? —— Red [illegible]		Very	[illegible]								11.93
21	Jan 30	No 26 52'-9" Sawmill	[illegible]	shaft	on	Bed	very	Coarse	Gold				15.05
5B	" 31	No 27 B.R. "	[illegible]	"	[illegible]	[illegible]	[illegible]	Bride	Rock	[illegible]	Mostly		8.65
18B	Feb 1	No 28 B.R. Starting to	drift	a	little								21.88
27B	" 2	No 29 " Preparing	for	timber	Removing		large	Boulders					12.92
35B	" 3	No 30 B.R. Preparing	for	timbers	bottom	shaft							21.88
8B	" 8	No 31 " "	"		"		"		"				32.42
38B	" 11	No 32 " Lower [illegible]	Lower	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				9.02
40B	" 14	No 33 " " drift	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					9.28
26B	" 15	No 34 " drifting	to	Ward	Road								13.92
26B	" 16	No 35 "	Both	ways	East	&	West						7.36
48B	" 17	No 36 "	"		"		"	"	"				25.31
5B	" 17	No 37 " B.R. [illegible]	[illegible]	[illegible]	[illegible]								10.76
309 B													27 6.57

EXHIBIT "D"

EXHIBIT "D"

396.11

TIME—Week Ending

40.61 Feb 1934

		NAMES	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	TOTAL TIME	RATE PER DAY	AMOUNT $	AMOUNT Cts.
9 B	Feb 19	No 38 Square drift for timbers										8	48
63 B	Feb 20	No 39 Drifting East & West										111	05
51 B	" 22	No 40 " Both Ends all over										128	15
37 B	" 23	No 41 " "		"			"					278	46
25 B	" 24	No 42 " "		"		Bottom						91	82
20 B	" 25	No 43 " one		"		High up at Roof						3	38
[illegible]	" 26	No 44 " East		drift		North side						215	93
4 B	" 27	No 45 Making Pocket for timbers										17	[illegible]
24 B	" 28	No 46 Drifting East		and		North						234	70
35 B	Mar 1	No 47 " "		End		u Buckets		West				120	[illegible]
35 B	" 2	No 48 " North		8 B		Bad Roof						213	95
34 B	" 5	No 49 " West		End		5 B East end					1569 ft	704	02
30 B	" 6	No 50 " High up		Mostly		Western side North side						63	97
16 B	" 7	No 51 " Test Vein		East		drift all over face					579 ft	39	38
17 B	" 7	No 52 " West End		drift		all over					197 ft	13	06
27 B	" 8	No 53 " East Mostly		Some		West drift					787 ft	50	18
35 B	" 9	No 54 " All over		faces		Both E & W.					1290 ft	25	52
36 B	" 10	No 55 " North East		drift		Some West					1317	87	31
12 B	" 11	No 56 " East drift		one		Bucket West					913	60	53
12 B	" 11	No 57 " East "		Hole up						Nite	247	16	37
25 B	" 12	No 58 " East "		All over						day	489	32	42
671 8				15 33		62 ft R.				1884 21		2021 8 / 6 9 10 14 / 2963	

196.57 Bank
353.16 Bank

Mar 24-31 left with Mr Woods at bank $700 for Sunrise

TIME—Week Ending

March " 1934 / 1810 9 950.65

671 "		NAMES		SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	TOTAL TIME	RATE PER DAY	AMOUNT $	AMOUNT Cts.
23B	Mar 12	No 59	drifting High	all	North	East					Nite	325	21	54
2B	" 13	No 60	" " low	1/4	6	5	m	B	R		Day	1457	96	59
20B	" 13	No 61	" N+E dr	7/8							Nite	369	24	46
14B	" 14	No 62	" " + " "			All	over				Day	387	25	65
12B	" 14	No 63	" N+E cr		over						Nite	304	20	15
32B	" 15	No 64	" N+E low		Red	Rock						944	62	58
12B	" 15	No 65	" N+E test	High	4-B-Rim	4.90	13-B-Rim	6.43				169	11	20
40B	" 16	No 66	" North drift		North						Day	1080	71	60
19B	" 16	No 67	" N+ East	all	over						Nite	369	24	46
46B	" 17	No 68	" N+ East	all	over	B	R					1509	100	06
19B	" 17	No 69	" N+ East			all	over				Nite	483	32	02
35B	" 18	No 70	" N+ East	High	up							685	45	41
16B	" 19	No 71	" S+ East	Side							Nite	132	8	91
25B	" 19	No 72	" E and N	all	over							389	23	84
32B	" 19	No 73	" N and S	all	over						Nite	468	28	75
45B	" 20	No 74	" N and S	all	over							1160	132	91
23B	" 20	No 75	" N and E	all	over	high					Nite	353	21	70
21B	" 21	No 76	" N and S	all	over	high						639	39	17
28B	" 21	No 77	" N	all	in	North					Nite	565	34	74
39B	" 22	No 78	" N and E	all	over							542	33	53
36B	" 22	" 79	" N and E	all	over						Nite	557	34	55
23B	" 23	" 80	" N and E	all	over							3.34	20.41	
40B	" 23	" 81	" N and E	all	over						Nite	353	21.64	
36B	" 24	" 82	" N and E	"	"							361	22.0	

250.25 Expense
5782.25
5532.00

EXHIBIT "D"

EXHIBIT "D"

TIME—Week Ending March 1934

	NAMES	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	TOTAL TIME	RATE PER DAY	AMOUNT $	AMOUNT Cts.
26 B March	No 83 Bitter Nugs	All	over	[illegible]					Nite	[illegible]	12	11
36 B " 25	No 84 " " " " "	"	"	"	"					51[illegible]	3[illegible]	72
[illegible]	No 85 " " " "	"	"	"					Nite	205	12	60
[illegible] " 26	No 86 " " " "	"	"	"	"					182	11	19
6 B " 26									Nite			
36 B " 27	No 87 " " " "	"	"	"	"					277	17	08
13 B " 27	No 88 " " " "	"	"	"					Nite	163	11	25
48 B " 28	No 89 " " " "	"	"	"						21[illegible]	16	24
" 28	No 90 " " " "	"	"	"					Nite	128	7	82
49 B " 29	" 91 " " " "	East	drift	"						556	33	19
29 B " 29	" 92 " " " "	All	overface						Nite	412	25	19
48 B " 30	" 93 " " " "	High	lift							672	41	09
22 B " 30	" 94 " Mostly S	drift							Nite	254	16	50
34 B " 31	" 95 " Both HWT	South								279	17	05
22 B " 31	" 96 " " "	"							Nite	547	33	44
20 B April 1	" 97 " " "	Over	Timbers							261	15	96
31 B " 1	" 98 " " "	"							Nite	440	26	90
33 B " 2	" 99 " " "	"	25'	HD.	Bed	Pnl				789	48	24
38 B " 2	" 100 " " "	"								510	31	86
16 B " 3	" 101 " " "	"	25'	"	"	"	"			394	24	09
	Pump motor busted	Falling	Rock.									
5689											434	68

EXHIBIT "D"

TIME—Week Ending April 1934

	NAMES	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	TOTAL TIME	RATE PER DAY	AMOUNT $	AMOUNT Cts.
6B April 8	No 102 cleaning up								Nite	Grons 360	22	01
36B " 9	No 103 Drilling HW									295	18	03
17B " 9	No 104 " South								Nite	570	20	16
22B " 10	No 105 " "									339	17	34
36 " 10	No 106 " "								Nite	425	25	98
29B " 11	No 107 HW									333	20	36
25B " 11	No 108 " South								Nite	554	33	87
34B " 12	No 109 " "									392	23	87
35B " 12	No 110 " 50% HW +	South							Nite	427	26	11
45B " 13	No 111 " " "		"							570	34	85
28B " 13	No 112 " 50-50% HW +		"						Nite	345	21	09
43B " 14	No 113 " 40% S 60%	HW								309	18	89
43B " 14	No 114 " 50-50% HW + S								Nite	227	13	88
31B " 15	No 115 " South 7E	HW								330	20	17
47B " 15	No 116 " " +	HW							Nite		14	85
72B " 16	No 117 " " Bad Ro +		HW							4844	296	21
60B " 16	No 119 " HW + HC	cut							Nite	836	50	50
42B " 17	No 119 " " + " "	"	HW							2083	127	37
50B " 17	No 120 " " + " "	"							Nite	312	19	07
31B " 18	No 121 " " + H Cross	"	+	+	st	HD				5163	315	71
51B " 18	No 122 " " + " "	"		"					Nite	165	10	08
787											1179	40

EXHIBIT "D"

TIME—Week Ending April 1934

Return 1.3.13.78

	NAMES	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	TOTAL TIME	RATE PER DAY	AMOUNT $	AMOUNT Cts.
108 April 19	No 123 drifting West No	N + C.C. S to East D								2031	134	19
12 " " 19	No 124 " Cross cut	+ N W							Nite	57	3	48
48 " " 20	No 125 " " "		"	+ West N.D						546	33	38
46 " " 20	No 126 " " "		"		"				Nite	240	14	67
48 " " 21	No 127 " " "		"		"					1860	113	73
38 " " 21	No 128 " N W +	South							Nite	474	29	00
35 " " 22	No 129 " " + C.C.	South to No East drift								1323	81	12
46 " " 22	No 130 " " "	"		"		"			Nite	810	49	53
36 " " 23	No 131 " Cross cut W	No to South + South								2077	127	00
30 " " 23	No 132 " " " N +	N W drift							Nite	295	18	04
56 " " 24	No 133 " " " " +	"		"						995	60	84
44 " " 24	No 134 " South, North B	R + N W							Nite	795	48	61
48 " " 25	No 135 " " N W +	B.R N C cut								1980	121	07
49 " " 25	No 136 " " + "								Nite	732	44	76
71 " " 26	No 137 " " " +	N + N C cut								3630	223	97
36 " " 26	No 138 " " " +	N							Nite	219	13	33
60 " " 27	No 139 " " " +	N								1595	97	53
25 " " 27	No 140 " " " +	N							Nite	164	10	02
56 " " 28	No 141 " " " +	N								1014	62	00
32 " " 28	No 142 " x " +	N							Nite	117	7	15
51 " " 29	No 143 " x " +	No W C.C.								1877	114	77
1007											1405-89	

45 0 Z 26 C shipped

10 30 85 shipped

EXHIBIT "D"

TIME—Week Ending April 1934

		NAMES	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	TOTAL TIME	RATE PER DAY	AMOUNT $	AMOUNT Cts.
B April 29	No 144												
B58 April 29	No 144	Drifting N.W.T.N								Nite	.563	34	42
B35 " 30	" 145	" "									1937	118	44
B44 " 30	" 146	" " "	4	W	C	C.				Nite	1.79	114	90
137												267	76

EXHIBIT "D"

480	480
120	120
56	48
891	648
6115	6115
6115	9240
891	648
891	648
3346	3888
54,8465	39,6255 20

[illegible] were produced drifting [illegible] shaft first shaft over [illegible] rock [illegible] of 1934/1934

[illegible] day [illegible] they we did come drift [illegible] first shaft [illegible] 1935. Size of bucket [illegible] gravel from shaft 12 buckets [illegible] cu. yd. gravel.

12.

#0.06115 X Grains = Value Amount

(12 Buckets = 1 cu. yd.)

EXHIBIT "D"

1934

					Grs			
Day	1	No 147	Drifting NW+SE+WCC		4560	59	278	
Nite "	1	No 148			1062	57	65	
"	2	No 149	" " + " + "		1543	5[illegible]	94	
Nite "	2	No 150	" " + " + "		995	40	60	84
"	3	No 151	" " + " + "		2410	65	147	37
Nite "	3	No 152	" " + " + "		535	46	32	71
"	4	No 153	" " + " + NCC		540	58	33	07
Nite "	4	No 154	" " + " + " "		85	27	[illegible]	[illegible]
"	5	No 155	" " + " + NW+WCC		1477	55	90	31
Nite	5	No 156	" " + " + NW+WCC		576	32	35	23
"	6	No 157	" " + " + NW+WCC		1510	53	92	43
Nite "	6	No 158	" " + NE+SE+WCC		502	49	30	69
"	7	No 159	" " + " "		1855	66	113	43
Nite "	7	No 160	" " + " "		1068	53	65	30
"	8	No 161	" " + " " "		1125	33	68	79
Nite	8	No 162	" " + " + " "		93	27	5	68
	9	No 163	" " + " + " "		9460	55	578	47
Nite	9	No 164	" — NE+WCC+SES		987	54	60	35
"	10	No 165	" — " " "		5628	29	344	15
Nite	10	No 166	" — " + " —		1385	49	81	[illegible]
	11	No 167	" " " + " —		2602	42	159	11
Nite "	11	No 168	" " " + " —		256	31	15	[illegible]
	12	No 169	" " " + " —		11052	42	675	[illegible]
Nite	12	No 170	" " " " —		4994	43	305	[illegible]
	13	No 171	" " " " "		9723	38	[illegible]	[illegible]
Nite	13	No 172	" " " " "		5588	34	341	[illegible]
	14	No 173	" " " " "		3219	25	196	84
Nite	14	No 174	" NCC " " "		217	59	17	55
	15	No 175	" " " " "		3753	72	229	[illegible]
Nite	15	No 176	" " " " "		536	40	23	[illegible]
	16	No 177	" " " " "		2036	44	124	[illegible]
Nite	16	No 178	" " " " "		368	60	22	50
	17	No 179	" " " " "		1865	26	114	[illegible]
Nite	17	No 180	" " " " "		937	65	60	[illegible]

No 8 Old High channel Colorado Valley

EXHIBIT "D"

		1934								
May	18	No 181	Drifting	N.W. Con.	Sales		2605	73	154	39
Nite	18	No 182	"	"	"	"	9458	56	578	37
May	19	No 183	"	"	"	"	6497	68	397	29
Nite	19	No 184	"	"	"	"	2892	68	176	84
"	20	No 185	"	"	"	"	3765	58	230	22
Nite	20	No 186	"	"	"	"	2555	37	156	23
"	21	No 187	"	"	"	"	3067	53	187	54
Nite	21	No 188	"	"	"	"	4572	59	279	57
"	22	No 189	"	"	"	"	9308	61	569	[illegible]
Nite	22	No 190	"	"	"	"	6944	70	424	[illegible]
	23	No 191	"	"	"	"	6617	56	404	[illegible]
Nite	23	No 192	"	"	"	"	1950	40	119	34
	24	No 193	"	"	"	"	5327	57	325	74
Nite	24	No 194	"	"	"	"	3845	49	235	12
	25	No 195	"	"	"	"	6728	65	411	41
Nite	25	No 196	"	"	"	"	6780	45	414	57
	26	No 197	"	"	"	"	4920	58	300	85
Nite	26	No 198	"	"	"	"	1028	26	62	86
	27	No 199	"	"	"	"	1428	43	87	32
Nite	27	No 200	"	"	"	"	2880	58	176	[illegible]
	28	No 201	"	"	"	"	4279	58	261	66
Nite	28	No 202	"	"	"	"	4085	40	[illegible]	[illegible]
	29	No 203	"	"	"	"	753	34	46	04
Nite	29	No 204	"	"	"	"	1142	45	[illegible]	[illegible]
	30	No 205	"	"	"	"	4765	57	291	37
Nite	30	No 206	"	"	"	"	4790	63	287	40
	31	No 207	"	"	"	"	4405	53	287	[illegible]
Nite	31	No 208	"	"	"	"	1820	58	[illegible]	[illegible]

EXHIBIT "D"

1934

June	18	244	No 2 S	1795	75	109	76
Nite	19	245	3 & 1	1770	144	107	31
	19	246	2	673	90	41	15
Nite	20	247	3 & 1	1392	127	85	1[illegible]
	20	248	No 2	633	41	38	70
Nite	21	249	No 1 & No 3	878	111	53	68
"	21	250	No 2	1320	61	80	70
Nite	22	251	No 3 & No 1	1572	118	96	12
	22	252	No 2	717	48	43	84
Nite	23	253	No 3 & 1	946	102	57	84
	23	254	No 2	939	66	57	41
Nite	24	255	No 3 & 1	1169	116	71	48
	24	256	2	329	59	20	11
Nite	25	257	3 & 1	881	152	53	81
	25	258	2	393	60	24	03
Nite	26	259	3 & 1	1783	95	109	03
	26	260	2	122	24	7	36
Nite	27	261	3 & 1	537	105	32	83
	27	262	2	1096	46	67	02
Nite	28	263	3 & 1	456	102	27	83
	28	264	2	936	52	57	23
Nite	29	265	3 & 1	672	116	41	09
	29	266	2	312	41	19	07
Nite	30	267	3 & 1	550	109	33	63
	30	268	2	426	50	26	04

EXHIBIT "D"

1934

July Nite	1	No 269	3+1		714	94	113	46
	1	270	2		660	60	40	30
Nite	2	271	3+1		333	107	20	16
	2	272	2		240	46	14	69
Nite	3	273	3+1		513	121	31	46
	3	274	2		684	56	41	82
Nite	4	275	3+1			110	39	80
	0	—	—			—	—	—
	5	276	2		936	36	57	23
Nite	6	277	3+1		984	91	60	14
	6	278	2		564	42	31	48
Nite	7	279	3+1		948	100	57	41
	7	280	2		539	35	32	98
Nite	8	281	3+1		1687	135	103	15
	8	282	2		727	59	4[illegible]	[illegible]
Nite	9	283	3+1		408	70	24	94
	9	284	2		1759	51	107	08
Nite	10	285	3+1		710	104	45	41
	10	286	2		1277	97	78	08
Nite	11	287	3+1		689	84	42	13
	11	288	2		1269	41	77	59
Nite	12	289	3+1		1438	101	88	05
	12	290	2		603	59	36	87
Nite	13	291	3+1		1686	115	103	09
	13	292	2		1779	62	108	78
Nite	14	293	3+1		2196	120	134	28
	14	294	2		734	64	43	01
Nite	15	295	3+1		612	112	37	82
	15	296	2		1592	53	97	35
Nite	16	297	3+1		3123	107	190	97
	16	298	2		708	38	43	29
Nite	17	299	3+1		774	116	47	32
	17	300	2		3150	51	192	62

Mi Bank 672.70

Ship No 22 Bal 79.98

Ship No 23

EXHIBIT "D"

July							
			1934	Bal 57.35			
Nite	18	301	3+1		3628	103	221	85
	18	302	2		296	45	18	10
Nite	19	303	3+1	Bal 32.72	392	93	23	97
	19	304	2		489	67	29	90
Nite	20	305	3+1		918	126	56	13
	20	306	2		2244	48	137	22
Nite	21	307	3+1		1148	101	70	20
	21	308	2		356	42	21	76
Nite	22	309	3+1		1188	104	72	64
	22	310	2		294	47	17	97
Nite	23	311	3+1		884	93	54	05
	23	312	2		294	48	17	99
Nite	24	313	3+1		686	100	41	94
	24	314	2		858	42	52	46
Nite	25	315	3+1		1806	120	110	43
	25	316	2		224	41	13	69
Nite	26	317	3+1		519	93	31	73
	26	318	2		1527	55	93	37
Nite	27	319	3+1		413	67	25	25
	27	320	2		995	63	60	84
Nite	28	321	3+1		537	126 89	32	83
	28	322	2		305	78	18	65
Nite	29	323	3	Bal 2.98	521	66	31	85
	29	324	2	1394.22	575	73	35	16
Day	30	325	2		602		36	31
					1002	82	61	27
	30	326	3		182	100	11	12
Day	31	327	2		204	64	12	28
	31	328	3		204	96	12	47

EXHIBIT "D"

1934

			shift 110			
May	1	366	2	1132	73	100 00
"	2	367	2	951	56	58 15
"	3	368	2	813	65	49 71
	4	Fair				
"	5	369	2	255	43	15 58
"	6	370	2	732	74	44 76
"	7	371	2	399	67	24 39
"	8	372	2	1320	80	80 71
"	9	373	2	476	63	29 1[illegible]
"	10	374	2	297	58	18 16
"	11	375	2	960	51	58 70
"	12	376	2	798	53	48 60
"	13	377	2	601	64	36 74
"	14	378	2	1095	53	72 39
"	15	379	2	1384	34	84 68
"	16	380	2	4128	44	252 [illegible]
"	17	381	2	249	47	15 22
"	18	382	2	382	44	23 [illegible]
"	19	383	2	463	51	28 [illegible]
"	20	384	2	518	31	31 69
"	21	385	2	1083	37	66 [illegible]
"	22	386	2	217	53	13 [illegible]
"	23	387	2	321	48	[illegible]
"	24	388	2	331	50	20 [illegible]
"	25	389	2	332	50	[illegible]
"	26	390	2	1230	45	75 [illegible]
"	27	391	2	709	37	[illegible]
"	28	392	2	[illegible]	40	15 [illegible]
"	29	393	2	1311	39	80 [illegible]
"	30	394	2	291	43	17 79

Contract Begin

554
429.14

429.14
20.786
637.00

766
852.01
1281.13
20.786
1169.01

852.01

EXHIBIT "D"

1934

Aug Day	1	329	2 shift		406	84	37	29
	1	330	3		377	92	23	05
Day	2	331	2		299	81	18	28
	2	332	3		243	62	14	85
Day	3	333	2		744	80	45	49
	3	334	3		163	51	9	96
Day	4	335	2		546	75	33	38
	4	336	3		88	62	5	38
Day	5	337	2		681	67	41	64
	5	338	3		168	66	10	27
Day	6	339	2		341	58	20	84
"	7	340	2		424	50	25	91
"	8	341	2		1284	66	78	51
"	9	342	2	496.34	506	67	30	92
"	10	343	2		387	81	23	66
"	11	345	2		1083	71	66	22
"	12	346	2		927	43	56	68
"	13	347	2		879	41	53	75
"	14	348	2		1451	65	88	72
"	15	349	2		1443	57	88	23
"	16	350	2		1004	57	61	39
"	17	351	2		452	41	27	63
"	18	352	2		1760	84	107	62
"	19	353	2		1043	82	63	77
"	20	354	2		776	60	47	45
"	21	355	2		910	82	55	64
"	22	356	2		752	80	45	98
"	23	357	2		696	81	42	56
"	24	358	2		209	70	12	78
"	25	359	2		539	69	33	14
"	26	360	2		302	70	18	46
"	27	361	2		1075	111	65	73
"	28	362	2		1445	98	88	36
"	29	363	2		756	93	46	22
"	30	364	2		2895	96	177	02
"	31	365	2		3299	78	201	73

Ship No 25 = 44.85502
2152964 = 1316.43

EXHIBIT "D"

1934

Oct			Grs	B		
Dec	1	395	247	41	15	10
"	2	396	126	38	7	70
"	3	397	229	21	14	[illegible]
"	4	398	124	36	7	[illegible]
"	5	399	467	35	29	[illegible]
"	6	400	114	10	6	78
"	7	401	39	[illegible]	2	[illegible]
"	8	402	354	51	[illegible]	[illegible]
"	9	403	894	69	54	[illegible]
"	10	404	1275	44	77	96
"	11	405	648	59	39	62
"	12	406	993	42	60	72
"	13	407	354	54	21	[illegible]
"	14	408 Bank 6670 Gr 407.84	663	44	40	54
"	15	409	228	34	[illegible]	[illegible]
"	16	410	1388	48	84	97
"	17	411	880	34	53	81
"	18	412	577	31	35	28
"	19	413	170	37	10	34
"	20	414	96	46	5	[illegible]
"	21	415	312	28	19	[illegible]
"	22	416	66	44	4	03
"	23	417	51	45	3	11
"	24	418	87	29	5	32
"	25	419	246	[illegible]	15	[illegible]
"	26	420		29		
	27	421				
	28	422				
"	29	423	170	37	[illegible]	
	30	424				
	31	425	[illegible]		21	[illegible]
					282	5 [illegible]

EXHIBIT "D"

1934

	1	426	54	22	3	
"	2	427	30	30		
"	3	428	385	19	23	37
"		429	218	38	13	
		430	294	34	17	
"	6	431	72	24	4	32
"	7	432	114	30	6	18
"	8	433	29	38	1	
"	9	434	207	30	12	45
"	10	435	252	20	15	40
"	11	436	27	32	1	65
"	12	437	1524	46	93	42
"	13	438	854	24	52	52
"	14	439	57	33	3	60
"	15	440	93	60	5	68
"	16	441	42	34	2	56
"	17	442	52	22	3	17
"	18	443	86	45	5	25
"	19	444	53	38	3	24
"	20	445	72	27	4	[illegible]
"	21	446	212	56	12	96
"	22	447	163	54	7	[illegible]
"	23 24	448	140	34	8	[illegible]
"	25	449		30	12	78
"	26	450	632	47	38	64
"	27			12		
"	28	451	618	32	37	79
"	29					
"	30	452	54	20	[illegible]	
		995 ~~[illegible]~~ .811R		995		

EXHIBIT "D"

1934

		Cho B		
1	453 ship No. 419.30	274	55	13 [illegible]
2	454	161	51	9 84
3	455	48	39	2 73
4	456	33	36	2 01
5	457	712	21	43 52
6	458	1968	26	120 [illegible]
7	459	240	20	14 6[illegible]
8	460	738	37	45 12
9	461	1710	36	104 56
10	462	1015	24	62 06
11	463	552	41	33 75
12	464	1344	61	82 1
13	465	969	35	59 25
14	466	327	33	19 91
15	467 10042 lbs 614.00 in 13 mch clean bodys cleanup	1056	34	64 57
16	468	1015	41	62 06
17	469	306	54	18 71
18	470	1749	48	106 95
19	471	1713	58	104 74
20	472	1703	17	104 13
21	473	138	24	8 43
22	474	78	45	4 76
23	475	350	36	21 40
24	1815 4 lbs No. 11			
25	476 Lower riffle clean up			25 43
26	477	637	31	38 93
27	478	61	30	3 73
28	479	45	27	2 75
29	480	528	24	32 28
30	481	69	28	4 20
31	482 Ship No 31 - 19902 1217.00	267	30	16 52

EXHIBIT "D"

Jan	1935				
	1				
	2	483	164	39	10.02
	3	489	456	41	27.88
	4	490	528	56	32.28
	5	491	604	45	36.98
	6	492	72	19	4.40
	7	493	318	56	19.44
	8	494	441	62	26.96
	9	495	564	56	34.58
	10	496	312	61	19.07
	11	497	209	68	12.78
	12	498	261	50	15.96
	13	499	363	67	22.19
	14	500	267	15	16.33
	15	501	714	30	43.66
	16	502	305	42	18.[illegible]
	17	503	290	42	17.73
	18	504	718	45	43.92
	19	505 Weather turning Cold	234	52	14.30
	20	Weather 14° Below 7 AM			
	21	506 " Mild 10° Above 7 AM	146	27	8.92
	22	507 " Mild	114	42	6.97
	23	508 " 8" Snow weather Mild	122	36	7.46
Bank 139.61	24	509 " Sunshiny & Mild 72°	186	48	11.37
	25	510 " " " "	164	46	10.15
	26	511 " " " "	102	44	6.31
	27	512 " Fair	81	48	4.95
	28	513 " "		43	18.34
	29	514 " "		23	9.55
	30	515 " "		28	37.54
	31	516 " "		32	12.84

Ship No. 32

EXHIBIT "D"

Feb 1935	No	Weather		[illegible]		
1	517	Fair		24	94	1.5[illegible]
2	518	"		76	29	4.64
3	519	"		150	44	9.17
4	520	Cloudy		526	40	32.[illegible]
5	521	Fair		1824	29	121 53
6	522	"		316	36	19 32
7	523	"		459	35	28 06
8	524	"	Cold	936	45	57 23
9	525	"	Cold	221	42	13 51
10	526	"	"	17	33	1 03
11	527	Snowy		168	32	10 27
12	528	"	5886 lb 35503	1038	38	63 47
13	529	Snow		1203	28	73 56
14	530	Clear		1892	20	102 85
15	531	"		381	30	23 29
16	532	"		122	33	7 46
17	533	Cloudy Mild		142	34	8 68
18	534	Cloudy		51	27	3 11
19	535	"	"	125	27	7 64
20	536	"	"	267	27	16 32
21	537	"	"	182	33	11 12
22	538	"	Rain & Snow	41	15	2 50
23		Clear	No cleanup			
24	539	"		26	48	1 58
25	540	"	Zero	44	37	2 69
26	541	"	Mild	[illegible]	[illegible]	[illegible]
27	542	"	"	14	30	.85
28	543	Cloudy & Rainy	L.R.	210	44	15 [illegible]
29						

Ship No 33

Shipped 632.71 Mint Return 628 lb

103.17 Lbs 21,350

EXHIBIT "D"

1	544	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	545	[illegible]	[illegible]	30	50	[illegible]
3	546	Cloudy [illegible]	[illegible]	40	15	2 111
4	547	Snowing	[illegible]	128	42	7 [illegible]
5		"	No clean up			
6	548	"	[illegible]	[illegible]	28	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	550	Snowy	[illegible]	[illegible]	30	1 [illegible]
9	551	Fair	[illegible]	[illegible]	28	[illegible]
10	552	"	[illegible]	102	38	6 [illegible]
11	553	"	[illegible]	36	30	2 [illegible]
12	554	Raining	[illegible]	50	40	3 05
13	555	Fair Warm	[illegible]	69	25	4 [illegible]
14	556	Cloudy	[illegible]	124	42	7 [illegible]
15	557	Clear	[illegible]	105	30	[illegible] 40
16	558	"	[illegible]	Heat	25	24 10
17	559	"	[illegible]	179	35	10 14
18	560	"	[illegible]	8	9	48
19	561	" Day + Nite	[illegible]	13	21	80
20	562	Clear Cold "	"	33	52	2 01
21	563	" " "	"	59	45	3 [illegible]
22	564	" " "	"	24	35	1 46
23	565	" Mist "	"	65	37	3 55
24	566	" "	"	18	43	1 12
25	567	Rainy Windy "	"	6	31	36
26	568	Snowy + Cold "	"	12	11	73
27	569	" "	"	20	32	1 22
28	570	Rainy "	" No Values.	9	37	54
29	571	Fair "	"	36	[illegible]	106 31
30	572	" "	"	128	45	7 52
31	573	" "	"	148	52	[illegible]
				124	20	7 [illegible]

2042 [illegible] No [illegible]

124.86

Returns 122.61

EXHIBIT "D"

April 1935 Pine Creek Shaft

	No.	Weather	Do	Lbs	B		
1	574	Fair	Day & Nite	232	50	14	18
2	575	"	" "	54	50	3	30
3	576	Rain	" "	61	34	3	73
4	577	" + Snow	" "	11	[illegible]		67
5	578	Fair	" "	13	48		11
6	579	" + Cool	" "	No clean up	57		
7	580	Raining	" "	6	35		36
8	581	"	" "	6	30		36
9	582	Fair	" "	114	27	6	97
10	583	"	" "	674	36	41	21
11	584	"	" "	8	44		41
12	585	"	" "	174	27	10	64
13	586	"	" "	164	30	10	03
14	587	Fair	" "	222	38	13	57
15	588	Rain	" "	12	33		73
16	589	Fair	" "	492	43	30	65
17	590	"		93	39	5	68
18	591	"		45	40	2	75
19	592	"		48	42	2	93
20	593	"		78	33	4	76
21		No clean up			31		
22	594			105	34	6	42
23		No "	"		57		
24	595	Fair		93	33	5	68
25					30		
26	596	"		54	32	3	29
27					36		
28	597	"		41	37	2	51
29					33		
30	580			57	36	2	48
May 1		lower riffle clean-up		66		4	[illegible]

Ship No 35 2921 Grs 178 62

Return 176 42

EXHIBIT "D"

May 1935 Rain [illegible]

1	No		Ton		
2					
3					
4					
5					
6					
7					
8	582	Rain	672	41	99
9	583	"	478	28	95
10	584	"	129	7	88
11	585	" Cold	225	13	75
12	586	"	377	23	05
13	587	"	675	41	27
14	588	"	894	54	66
15	589	Cloudy Spinkle Rain	207	12	75
16	590	" " "	303	18	52
17	591	Rain (Bank)	993	60	72
18	592	Clear	2262	138	32
19	593	"	1068	65	30
20	594	" Pump off 3 PM	1884 41	115	21
21	595	" Cleanup around Bat and Hoper	654	39	99

Ship No 36 661.09
Return 655.12

Shaft full of water May 30th PM

EXHIBIT "D"

July 1936
Clean up High Channel
Black Cabin

	1				
	2				
	3				
	4				
	5				
	6	Sq-up - No 5 set	L	2	01
	7	Main Drift - West		11	19
	8	No 1 set		8	80
	9	Main Drift - North	36	27	85
	10	No 2 set	14	11	43
	11	" " North	21	11	86
	12	Lower riffles		1	10
	13	No 1 set	49	16	87
	14	Main Drift - South	29	15	04
	15	No 2 set	12	3	05
	16	" " South	30	18	46
	17	Shiped (20 00) (327 Grs) Pattison			
	18	" " South, No 2 set	26	9	39
	19	Lower riffle square up timbers			72
	20	Main Drift South No 3 set	10	6	05
	21	" " " " "	34	14	85
	22	North " No 3 "	22	21	83
	23	West " No 6 "	29	20	54
	24	North & West " " 6	56	50	30
296 72	25	Mostly - West " 6	33	46	04
297 95	26	Lower Riffles		1	03
322 46	27	11th No 6 W 8 test 13th Drift test	25	24	51
348 03	28	set 5 set 7 North & West	37	2[illegible]	[illegible]
350 18	29	North, West & South	46	31	55
391 92	30	South	19	11	74
430 35		North & South	46	28	[illegible]
		Motor head 1784 when turned on			
		16th " 1891			

EXHIBIT "D"

		August 1935 Daily Clean Up			
			Length on Rack Cards		
450 32	1	South & North		33	10 23
482 29	2	Lower Riffles			1 10
454 60	3	South North + West		34	22 31
485 29	4	" #5 — " "		41	31 13
523 45	5	" #5 " "		38	37 [illegible]
538 65	6	" #5 Set " "		12	15 [illegible]
551 43	7	" #6 set " No 2.		26	12 78
576 42	8	" #6 " " 2		30	25 41
—	9				
602 05	10	" #6 set " " 3		42	24 58
	11				
615 80	12	" #7 set " " 4		40	13 [illegible]
629 24	13	" 7 " " " 4		33	13 [illegible]
	14				
639 35	15	" 8 " " " 5		38	9 35
642 02	16	Lower Riffles			2 45
657 79	17	South Rim 9 West 5		71	15 77
665 85	18	South " 9 " 6		37	8 [illegible]
690 55	19	East #1 " 6		62	24 70
702 27	20	" #1 " 8		38	11 [illegible]
705 52	21	" 2 " 7		54	6 23
724 17	22	Testing 1		42	15 [illegible]
726 00	23	Lower Riffles			1 83
749 60	24	Testing East No 6 Set		31	23 61
752 47	25	" East No 11 Set		26	2 [illegible]
759 49	26	East No 6 Set 1		24	6 97
[illegible]	27	" " 6 Set 2		23	8 07
778 [illegible]	28	" " 6 " 3		41	10 82
792 27	29	" " 6 " 3		25	13 94
	30				
809 44	31			41	[illegible]

Shiped 827.29
Returns 823 04

EXHIBIT "D"

August [illegible]
Chief Mining [illegible] Black Cabin
Supplies.

Aug	5	5 gal gas	1 15	✓	
"	6	5 " "	1 15	✓	
	8	25 stks powder M.C. Brown			1 60
	8	5 gal gas	1 15	✓	
	9	5 " "	1 34	✓	
	11	5 gal "	1 15	✓	
	16	5 " "	1 23	✓	
	17	5 " "	1 23	✓	
	22	10 " "	2 30	✓	
	27	5 " "	1 15	✓	
		100# Carbide Aurora Mining Co.	6 90		
		100 Fuses	1 25		
Sept	2	Shipping charge	2 19		
		Pine Telephone System	5 85		
		Idaho Power	5 35		
		Sk Coal Aurora Mine Co	1 50		
				36	49
Sept	1	Montgomery Ward Tires	30 25		
Sept	1	Lewis Hotel	4 50		
Sept	2	5 gal Gas	1 15		
"	3	10 " "	2 30		
"	11	5 " "	1 15		
"	18	5 " "	1 15		

EXHIBIT "D"

Sept 1936
Uplift Mining & Leasing Company
Back Creek

Sept	5	West off N-Drift	10	12 04
"	8	" " " "	6	7 15
"	9	" " " "	6	6 35
"	10	Pillow South E.	31	6 17
"	11	" West off N.D.	25	23 11
"	12	" " " "	20	14 11
"	14	Side swipe South D-S-West Drift	26	19 93
"	15	" " " " " " "	22	11 00
"	16	" " " " " " "	19	11 74
"	17	Drift off East Hol to North	24	2 44
	18	Lower Riffles		3 85
		2 Wheel Barrow loads S.S. ED Back end		1 83
		2 Wheel Barrow loads S.S. ED at Right Corner		1 46
"	5	" " " " " " "		3 85
Oct	17	3 " " " " " " "		4 21
"	17	6 loads face Entrance Drift		8 31
"	19	6 " " " "		7 15
"	20	2 " S.S. ED at Right Corner.		1 28
"	27	Cleaning up Boxes and moving out crack for winter		2 01

REPORT ON PINE CREEK PLACER MINE
Near Halfway, Oregon

By

W. B. PATTISON

I am submitting herewith a brief report of my examination of the Pine Creek Mining Co's., placer property near Halfway, Oregon. A detailed complete report is being prepared by Mr. Evan Bennett, including maps, sketches, cost data, and I will therefore not go into details of these points.

My letter to you from March 21st to April 27th give details of my sampling and other data collected.

The property is situated in Pine Creek Gulch extending over a distance of 2¼ miles along Pine Creek. Nearly all the ground is patented land and is so located as to include all the values possible laterally along the creek bed proper. In a very few places the creek bed on surface narrows up to about 150 feet with rim outcrops rising steeply on both sides, but in most part the bed is about 300 feet wide and in some places over 600 feet wide.

The grade of the creek is from 5% to 7% which is ample for tailings disposal after once the gravel is opened up to bed rock so that tailings can be stacked back in the worked-out area.

From my observation I am convinced that an hydraulic operation is the only practicaly way to handle the gravel in a large way. Definite authentic data on water available for such method can not be obtained; as there is no such information by government or local people.

It appears to me that as far as weather conditions are concerned, it is very probable that an hydraulic operation can be carried on for at least 9 months per year and possibly 10, depending on the seasons.

Conversation with many people in the community including the operators of the two water power plants on the creek above the property, indicate that low water periods occur in some seasons; but that these low periods are liable to occur in some seasons; but that these low periods are liable to occur in the winter months when the side creeks freeze up so that the low water may occur at times when weather will not permit operations. This overlapping of low water and cold weather may not cause over four months in which hydraulic work can not be carried on.

Another point that can be considered in this; there are about three months in which there is a great deal more water running in the creek than can be used in the operation. Therefore, if it is desired to increase the annual production, larger penstock and pipelines can be installed to use more water for these three months, thus increasing production to offset what might be lost during low water periods in the late fall and early winter. This will require a somewhat larger investment in plant to increase the water supply, but not excessive when considering the increased production. If such additional water were made available I am sure production of 2,000 yards per day can be averaged for 9 months per year.

The matter of disposal of tailings and boulders is one that requires close study and, in my estimation, the advice of experienced operators who have handled material under same conditions. An hydraulic elevator will be required in the first stages of the operation while the pit is opened up. A lift of approximately 75 feet will be required at the beginning due to the necessity of stacking material lower down the creek on top of present creek bed. After work has progressed sufficiently up stream it will be possible probably to stack the fine tailings with a giant, or in any case with a much lower lift on elevator, as all material will be deposited on bed rock which will be 60 feet lower

than when opening up pit and stacking on top creek bed. The upper creek bed has 7% grade which will be an aid also in disposal as compared with the flatter grade at south end of property.

I believe cableways to handle boulders as suggested in Steinmetz report, is the best way to move them so as not to interrupt production. They will have to be of a capacity and arrangements made for loading in order to keep sluices open for a continuous feed of fine gravel.

Regarding values of the gravel. This point cannot be arrived at with any accuracy due to insufficient detail data to give an average over the 2½ miles of creek bed. There are four shafts on the property that have reached bedrock. There is one shaft south of property and three north of property. All of these shafts show the same character of gold in quantities more than sufficient to make a safe hydraulic operation. The data from these shafts is not first hand from Steinmetz but I believe it is reliable to the extent that worth while values were encountered. Several of these shafts were put down on the sides of the main channel which means that probably the best values were not encountered and also means that the values on the side benches in bedrock below the creek level are very probably of a grade of material much higher in value than the gravel at same elevation out in the center of the cfeek.

Taking these points into consideration, it is my opinion that the five million yards north of the Aurous shaft may have an average of over 75¢ value per yard and discounting the source of information and lack of sampling between shafts, I do not believe this average should drop below 60¢ viewing the facts from a most conservative angle. All work in these shafts has been new (since 1933) and many of the men in the shafts have worked for Steinmetz and I have talked with several of them.

The showings of coarse gold in so many shafts over nearly four miles of creek bed, in my estimation means that there should be a

EXHIBIT "K"

plentiful supply of gold in the creek bed and it will be concentrated in rich spots somewhat, where bedrock conditions are favorable; but many of the shafts have not this rich concentration but do have the coarse gold in values high enough for a very safe hydraulic operation.

There is no question but what there are five million yards of gravel north of Aurous shaft. Assuming an average value of 70¢ and a cost of 20¢ leaves a net operating profit of 50¢ per yard or 2½ million dollars for the property.

I do not have detailed quotations of equipment required, but assuming Steinmetz' figures are correct and providing for a reasonable amount of flood protection and extra's I believe operations can be started on the basis mentioned above with a capital expenditure not exceeding $100,000.00.

An additional asset to the property is the so-called "High Channel" which parallels the creek for its length through the property mainly on the west side of the creek. I sampled the high channel at two points; one near Aurous shaft and one near Pine Creek shaft. Both samples consisted of a short tunnel into the bank on bed rock and about six feet high and six or eight feet long. The aurous cut averaged 55¢ and the Pine Creek cut averaged $2.58 per yard in place. Both had the same character of coarse gold similar to that in creek bed proper. See details of sampling below.

I have no details from which to make an estimate but I would judge that this channel might contain one million yards in addition to the creek bed proper. The bedrock of this channel is approximately 15 feet higher than the water of the creek, at points where sampled.

Following is a statement of the details of the sampling that I did on both the high channel and underground on bedrock in the Pine Creek shaft. Also a rough sketch showing the location of all samples taken

in Pine Creek workings.

RESULTS OF UNDERGROUND SAMPLING IN PINE CREEK SHAFT TAKEN BY W. B. PATTISON, April, 1936. Gold figured at 840 fine, or $29.40 oz. Troy. All Samples sluiced.

Sample #	Size sample in Cu yds	Vertical face in feet	Value per cu yd in place; incl. boulders
1	1/2	5	$4.30
2	1/2	6	4.10
3	4/10	5	10.67
4	4/10	5	10.60
5	3/10	4	19.28
6	1/2	5	2.02
7	55/100	4 1/2	10.96
8	55/100	5	81.31
9	45/100	5	3.80
10	1/2	5	2.20
11	1/2	5	2.59
12	1/2	4	.31
13	1/2	4	2.68
14	1/2	4	17.36
15	15/100	2	78.77
16	1/2	4	2.97
17	4/10	4 1/2	31.40
18	1/80	1	234.40
19	1/10	1	23.00

Above 19 samples weighted according to vertical distance cut average $17.56 per cu yd in place, including boulders.

Above samples, omitting numbers 18 and 19 which were taken near a concentration spot near the large boulder south of shaft, average $14.68 per cu yd.

Above samples, omitting numbers 18 and 19, weighted according to the size of area that each sample represents average $9.28 per cu yard.

RESULTS OF SAMPLE OF THE "HIGH CHANNEL" on West side of Pine Creek: samples taken by W. B. Pattison in March and April, 1936. All samples sluiced. Gold figured at 840 fine, or $29.40 per oz. Troy.

#1 Samples in cut 800 feet North of Aurous shaft.

Size sample in cu yds	Vertical face in feet	Including boulders Value per cu yd in place
2 1/4	0 to 5 foot above bed rock	$ .22
2 1/4	1 to 5 feet above bed rock	.37
2 3	0 to 1 foot cleaning bed rock	2.32

Average of the above three samples weighted according to size of samples is 55 cents per cu yd in place including boulders, over a vertical face of 5 feet.

#3 Samples in cut North of houses and a few hundred feet south of North property line.

Size sample in cu yds	Vertical face in feet	Including boulders Value per cu yd in place
1	2 1/2 to 7 feet above bed rock	$1.88
1 1/2	0 to 2 1/2 above bed rock	.82
1	0 to 4 feet above bed rock	5.93

Average of the above three samples weighted according to their size is $2.58 per cu yd in place including boulders, over a vertical face of 7 feet.

EXHIBIT "K"

Halfway, Oregon,
May 1, 1936.

Mr. Milton Steinmetz,
Pine Creek Mining Co.
Halfway, Oregon.

Dear Sir:-

From the results of my recent examination of your placer property on Pine Creek, I have come to the following conclusions.

(1) Although the information on values in the creek bed are not complete enough to arrive at any definite probable average, I am of the opinion that the total material from the Aurous shaft North to your North property line that would have to be hydraulicked in a large operation would average 75 cents per cu. yd. in place. If exploration work on the higher bed rock on sides of the main deep channel should prove up values that have been shown in some of the shafts that have been put down on the sides of the channel, it is very probable that the above average figure will be materially raised.

(2) If proper equipment is put in to handle yardage of both gravel and boulders without delays, I see no reason why a cost of around 15 to 18 cents per yard cannot be obtained. This would give such a margin of profit that it should be an attractive proposition to anyone seeking an hydraulic operation.

(3) The so called "high channel" material that parallels the creek most of its length, I believe to be a material asset to the property. This conclusion is arrived at from the sampling that I did in a small way on the high channel on the McKinnon property and on the same channel near the North property line. My sampling in these two spots indicated a value of 55 cents per yd in the lower spot and $2.58 in the North spot. Both samples were taken over a vertical heigth of 5 feet. This work is not conclusive, as the cut was but about 6 feet in length, but gives evidence that worth while values are to be expected with further work at these points.

Very truly yours,

W. B. Pattison

Min. Engr.
Tulsa, Oklahoma

W. B. Pattison, Minging Engr.
416 No. Rosedale
Tulsa, Oklahoma

Underground sampling results in the Pine Creek shaft during April, 1936 were as follows.

19 half yard samples were taken. Two were in concentration spots.

Averaging the 19 weighted to vertical heigth over which they were taken equal $17.56 per yd in place.

Averaging 17, omitting the two above mentioned, equal $14.68 per yd in place.

Averaging the 17 weighted according to the area that each sample represents equal $ 9.28

Very truly yours,

W C Patterson

EXHIBIT "L"

Copy

Results of sampleing Pine Creek Mining Co. Drift Mine April 1936. By.W.B.Pattison. Mining Engineer.

Sample. No.		Values.	
1	Cu-yard	$ 4.30	In place.
2	"	4.10	"
3	"	10.67	"
4	"	10.50	"
5	"	19.28	"
6	"	2.02	"
7	"	10.26	"
8	"	81.31	"
9	"	3.80	"
10	"	2.20	"
11	"	2.59	"
12	"	0.31	"
13	"	2.68	"
14	"	17.36	"
15	"	78.77	"
16	"	2.97	"
17	"	31.40	"
18	"	234.40	"
19	"	23.00	"

Average values per cu-yd of gravel in place, as shown above for each sample. $ 28.54

Also results of high channel sampleing in the lower reaches of property averaged $0.55 cu-yd in place. Upper end of property averaged $ 2.58 cu-yd in place, Mr.Pattison estimated 1,000,000 yds. of this to be mined.

EXHIBIT "L"

Halfway, Ore.
May 3, 1936

Mr. M. Steinmetz
Manager, Pine Creek Mining Co.
Halfway, Oregon

Dear Mr. Steinmetz:

I have read your report on the properties of the Pine Creek Mining Co. and have given careful consideration to your plan of operation. Your proposed system of hydraulic elevation of the gold bearing gravel in conjunction with the handling of the larger boulders by means of overhead cables is undoubtably the only practical and economical system by which this extensive placer deposit can be profitably worked.

As you know, during my five years with the Cornucopia Gold Mines, I had ample opportunity to study both the geological and physical aspects of the Pine creek deposits covered by your properties. The Cornucopia Gold Mines has a recorded production of over $8,000,000.00 from the gold-quartz veins of Cornucopia mountain. The mine is in production at present and an extensive low level development tunnel is rapidly nearing completion. Several adjacent vein systems on Simmons and Red mountains have been partially developed and occassional shippments of high grade ore have been made indicating a general deposition of gold in the veins of the entire area. The topography of Cornucopia mountain and the surrounding country gives indisputible evidence of extensive erosion indicating that the veins at one time extended to a much higher elevation than at present. This topography is such that either glacial or stream action would concentrate the eroded gold bearing material in Pine creek valley below the present quartz mines.

This concentration of values has been definitely proven by the earlier placer operations along the higher bars and more recently by the numerous shaft and drift operations on the lower channels conducted during the years of 1933, '34 and '35. I was afforded the privilige of visiting these operations at will and am more or less familiar with the entire development. Some exceptionally high values were found and all of the work proved good placer ground but the physical conditions were such that the removal of the gravel by the shaft and drift method was not only very expensive but extremely hazardous.

The depth of the bed rock varies from forty feet to more than seventy feet below the surface. The number of large boulders and the amount of water encountered made both sinking and drifting slow and expensive. Both shafts and drifts had to be tightly timbered and adequate hoisting and pumping equipment had to be provided at each location. While the values encountered were exceptionally high for a placer deposit, the expense of removing the gravel under these conditions in most cases made continued operation impossible.

CORNUCOPIA PLACERS
P.O. BOX 1617
BOISE, IDAHO 83702
(ITEM 3)

EXHIBIT "M"

The consolidation of the various properties along the creek and the installation of adequate hydraulic and cable equipment along the lines you propose should result in greatly reduced mining costs and insure a profitable mining operation having both long life and a minimum of mining risk.

From my knowledge of the values extracted from the various operations along the creek I should say that your estimate of yardage and values is very conservative. You have an adequate water supply and sufficient head to supply the needs of both the giants and the hydraulic elevator. There are no difficult physical features to overcome and I believe your estimate of expenditures should place the property in efficient production.

The value of the ground involved has been satisfactorily proven by past and present development. To date, however, the mining methods employed and the small amount of capital available to the various individual operators has made efficient mining impossible. The solution of the physical difficulties involved in the shaft and drift method of removing the pay gravel lies in the plan you propose and I believe it will prove to be both successful and highly profitable.

Very truly yours,

J. A. Herdlick

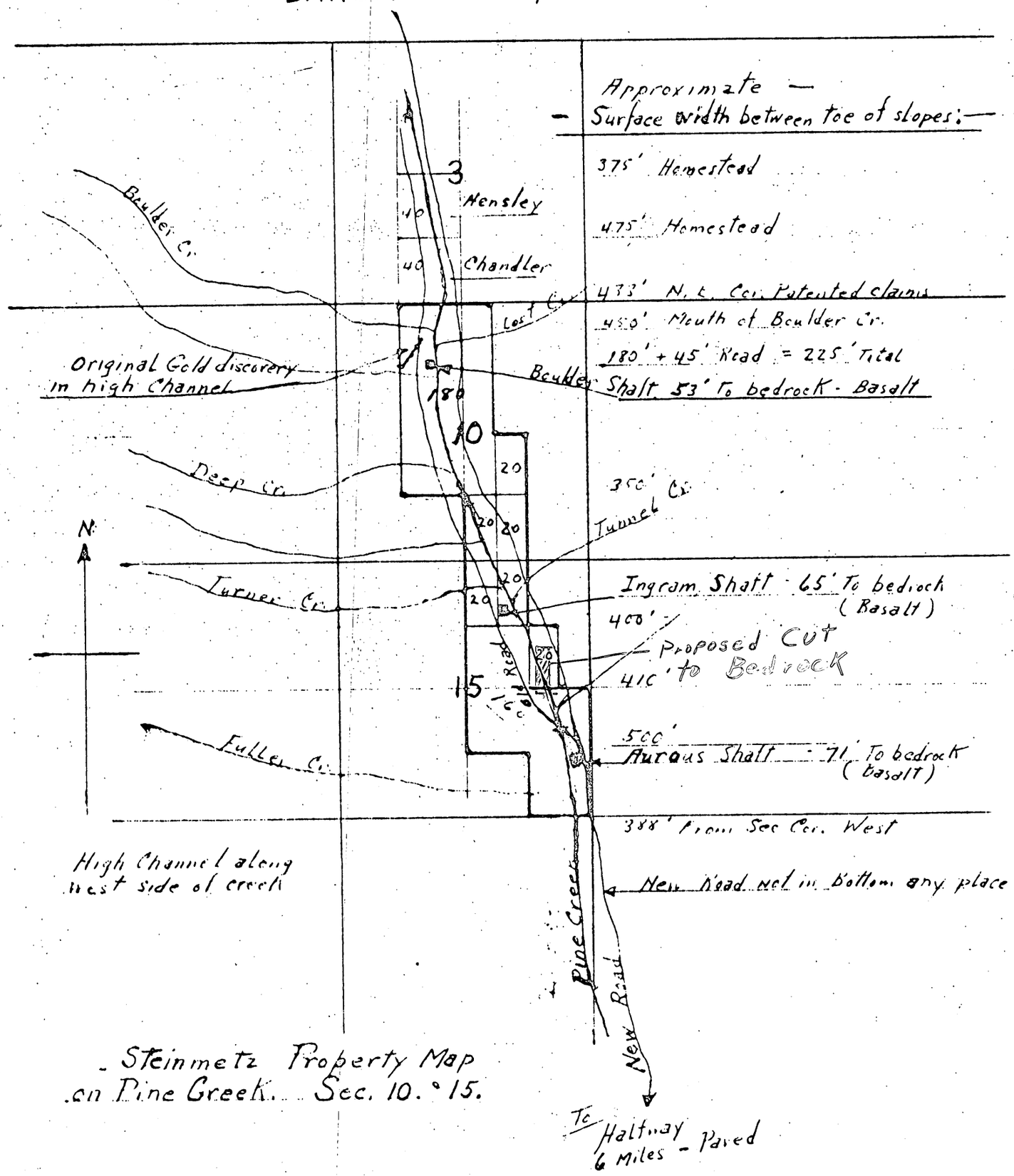
(Registered Mining Engr.)
#1624 July 1934

J. A. Herdlick, Registered Mining Engr.
#1624 (July 1934)

J. A. Herdlick

EXHIBIT "M"

TOWNSHIP 7 S., RANGE 45 E. W.M.
BAKER COUNTY OREGON



Steinmetz Property Map on Pine Creek. Sec. 10. & 15.

CRONUCOPIA PLACERS
P.O. BOX 1617
BOISE, IDAHO 83702
(ITEM 5)

EXHIBIT "N"

LAND, PRES.-TREAS. OUR MOTTO: WHAT THERE IS IN IT. NO MORE, NO LESS J. J. TORMEY, CHIEF CHEMIST

THE COLORADO ASSAYING COMPANY

(Incorporated)

ASSAYERS AND CHEMISTS

2013 WELTON ST.

COMPLETE ANALYSIS ON ANY ORE $10.00

THIS ANALYSIS WILL DETECT AND REPORT EVERY ELEMENT OR METAL THAT MAY BE PRESENT IN THE ORE, TOGETHER WITH THE PERCENTAGE AND VALUE OF EACH. IT IS THE MOST SATISFACTORY ANALYSIS TO APPLY ON ALL UNKNOWN ORES, WHOSE GENERAL APPEARANCE INDICATES PROBABLE VALUES

QUALITATIVE ANALYSIS $5.00

THIS ANALYSIS WILL DETECT AND REPORT THE ABSENCE OR PRESENCE OF THE FOLLOWING 23 METALS: LEAD, SILVER, MERCURY, GOLD, BISMUTH, ARSENIC, ANTIMONY, COPPER, CADMIUM, TIN, ALUMINUM, MANGANESE, COBALT, ZINC, CHROMIUM, STRONTIUM, IRON, NICKEL, BARIUM, CALCIUM, MAGNESIUM, TUNGSTEN AND MOLYBDENUM.

DENVER, COLO. Oct. 11,1934.

Report on Complete Analysis submitted by Pine Creek Mining Company, Halfway, Oregon.

****

ELEMENTS PRESENT.	PERCENTAGES.
Silica (insoluble)	6.60
Iron Oxide	89.58
Aluminum Oxide	00.75
Calcium Oxide	00.40
Magnesium Oxide	00.52
Titanium Dioxide	00.84
Manganese Oxide	00.90
Phosphorus	00.18
	99.77

Gold 4.46 ounces per ton at $35.00 per ounce $156.10 per ton.
Silver 0.60 ounces per ton at 64¢ per ounce 38¢ per ton.
Platinum and Platinum Group Metals none.

****

REMARKS:- This sample consists chiefly of Magnetite (iron oxide). Special attention was paid to the rare metals and same were found to be absent. The Gold and Silver are the only valuable metals present.

Respectfully submitted,
THE COLORADO ASSAYING CO.
BY James J. Tormey.

CORNUCOPIA PLACERS
P.O. BOX 1617
BOISE, IDAHO 83702
(ITEM 3)

EXHIBIT "H"

FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS E: RATION

TO:	DATE	INITIALS
1. D. R. MacLaren, Field Officer, OME Region I		
2. South 157 Howard Street Spokane, Washington 99204		
3.		
4.	file	
5.		
FROM: ~~Harold Kirkemo/gla~~	~~7/20/67~~	

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS: **Re: OME-6616 (Gold)**
Cornucopia Placers, Pine Creek
Property, Baker County, Oregon

Returned herewith is folder of material you furnished for SBA use, with Thermofax copies of Mr. King's memo to Mr. Johnson dated July 17, 1967, and his memorandum to the Boise SBA Regional Office of the same date, for your information.

INT.-DUP. SEC., WASH., D.C.

M56300-62

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

Memorandum

TO : Frank E. Johnson, Chief
Office of Minerals Exploration

DATE: July 17, 1967

FROM : James F. King, Director
Office of Appraisals
Small Business Administration

James F. King by Martin L. Hornby Jr.

SUBJECT: OME-6616 (gold)
CORNUCOPIA PLACERS
Pine Creek Property
Baker County, Oregon

In accordance with your request in your memorandum dated July 11, 1967 that we return your file when it has served our purpose, we are returning it attached hereto. Thanks for sending it to us so promptly. We appreciate your office allowing us to utilize your file. A copy of our memorandum to the field on this subject is attached for your information.

Attachments

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 19 1967
INITIALS | CODE
HR | 220
220

5010-108

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

Oliver T. Davis, Regional Director
Boise Regional Office

July 17, 1967

James F. King, Director
Office of Appraisals
SBA-Washington, D. C.

Loan Inquiry
CORNUCOPIA PLACERS
Pine Creek Property
Baker County, Oregon

This office has completed a careful review of the file from your office and also the file from the Office of Minerals Exploration, and it is our opinion that the operations described is production without the needed preliminary exploration.

It would be poor mining practice to undertake the mining of 9,570,000 cubic yards of ground without exploration, without determining the amenability of the deposit to the treatment proposed, and without knowledge that the gold content of the deposit is sufficient to warrant mining. There is nothing in the files that indicates that the estimation of 98¢ per cubic yard is reasonable and is based on adequate testing of the deposit.

The Small Business Administration could not finance a mining operation of this nature until there is proof that the reserves are adequate for the operations proposed, and that there is a reasonable assurance that the loan could be repaid from the proceeds generated from these operations.

If this office can be of additional assistance please let us know. If you need additional information please call Martin T. Hoake, General Engineer of this office at Washington, D. C. Area Code 202, phone number 382-5087. He is also a graduate mining engineer and may be able to assist you.

Your file is returned attached, hereto. The Office of Minerals Exploration file is being returned to them today.

Attachments

PA/JFKing:mjh

cc: Office of Minerals Exploration
Mining file
Hoake
Reading file

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
7/11/67	Kirkemo	120
		110
		220
		120M

JUL 11 1967

Memorandum

To: James F. King, Director
Office of Appraisals
Small Business Administration

From: Frank E. Johnson, Chief
Office of Minerals Exploration

Subject: OME-6616 (gold)
Cornucopia Placers
Pine Creek Property
Baker County, Oregon

In accordance with your request dated July 7, 1967, and with the Applicant's permission received July 3, 1967, a copy of all information submitted to us by the Applicant is sent to you herewith. This information includes the following material:

Completed Application Form for OME financial assistance (MME Form 40) and accompanying Exhibits "A" through "N", inclusive.

We would appreciate return of this material at your convenience after it has served your purpose.

Sincerely yours,

Frank E. Johnson

Enclosures

Copy to: Mr. L. W. Hawk
Cornucopia Placers

cc:
Director's Reading
Division file
Econ. Geol. Reading
OME Reading
OME Docket
Region I
Mr. Kirkemo
Chron.
130
HKirkemo:mch 7-11-67

23263

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

Memorandum

Received 7/10/67
JKI
1 20 M

TO : Frank E. Johnson, Chief
Office of Minerals Exploration
Washington, D.C. 20242

DATE: July 7, 1967

FROM : James F. King, Director
Office of Appraisals - SBA

SUBJECT: CORNUCOPIA PLACERS
Pine Creek Property
Baker County, Oregon

In accordance with the telephone discussion that Martin T. Honke of this office had with you today, we are hereby requesting that you forward the information that you have concerning the subject property and proposal. If you wish that this information be returned to your office when we have completed our evaluation, please, let us know when you forward the information.

An application has not been filed for a loan with this office as yet. The Regional Director of the Boise SBA Office is requesting that this office advise them concerning the reasonableness of the project proposed. The Boise Office is also sending us information on this subject.

5010-108

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

MME Form 7
(2/63)

Our file copy of the docket complete, we will ask you to send us your copy of the Applicants' data.

OFFICIAL FILE COPY

Date	Surname	Code
7/6/67	Kirkemo	120
		~~[illegible]~~
		110
		220
		~~[illegible]~~

JUL 6 1967

AIR MAIL

Mr. L. W. Hawk
Cornucopia Placers
P. O. Box 7313
Boise, Idaho 83707

Re: OME-6616 (Gold)
Cornucopia Placers
Pine Creek Property
Baker County, Oregon

Dear Mr. Hawk:

We are in receipt of your undated letter received July 3, 1967 requesting us to provide the Small Business Administration with the supporting data you supplied us for your application for OME assistance.

We will be glad to make available to the Small Business Administration upon its request any of the information you furnished us.

In view of your plans to investigate the possibility of a loan from another agency, we are considering your application for assistance under the OME program as withdrawn. If you wish to submit another application for OME assistance to explore the same property sometime in the future, you need only submit information necessary to up-date data already submitted.

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 I w/cy Mr. Hawk's undated letr.

Mr. Kirkemo

HKirkemo/tgr 7-6-67

23263

CORNUCOPIA PLACERS

P. O. Box 7313
Boise, Idaho 83707
L. W. Hawk, Partner

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 3 1967

INITIALS	CODE
gla	120
4/29	110
HRS	120

M

OME-6616(Gold)
Cornucopia Placers
Pine Creek Property
Baker County, Oregon

Mr. Frank E. Johnson, Chief
Office of Minerals Exploration
Washington, D. C.

Dear Mr. Johnson:

We are exploring loan possibilities with the Small Business Administration, Office of Appraisals, Attention Mining Engineer, Washington, D. C. Would you please pass the supporting data, which we have supplied you, to the above people.

Thanks for your cooperation in this matter.

Sincerely yours,

L. W. Hawk

L. W. Hawk
Partner

mm

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/20/67	Kirkemo	
"	Johnson	
6/21	Kilsgaard	
6/22	Higgins	

JUN 23 1967

OME-6616

Hon. Frank Church
United States Senate
Washington, D. C. 20510

Dear Senator Church:

This is in reply to your request of June 9, 1967, for further data on the application for Federal financial assistance to explore the Pine Creek property, Baker County, Oregon, which was brought to your attention by Mr. L. W. Hawk on behalf of Cornucopia Placers, P. O. Box 7313, Boise, Idaho 83707.

The program proposed by Cornucopia Placers consists of one large open cut on one claim in a group of claims. The proposed open cut would constitute a development and mining venture--not an exploration project to evaluate a geologic target which may prove to be of economic interest for subsequent development of other claims in the group. Locations of the better values and the general content of gold along Pine Creek are known from previous development and mining activities.

Regulations governing the Office of Minerals Exploration program define exploration as ". . . the search, including related development work, for new or unexplored mineral deposits within a specified area or parcel of ground where geologic conditions favor their occurrence," and further state that exploration ". . . work shall not go beyond a reasonable delineation and sampling of a mineral deposit, and shall not be conducted primarily for mining or preparation for mining."

We have suggested that the Applicant consider exploring other areas on the property where geologic factors may favor the occurrence of significant deposits of gold.

As will be noted in our letter to Mr. Hawk, dated May 25, 1967, a copy of which accompanied Mr. Hawk's letter to you, dated June 1, we informed him that unless we receive additional information within thirty days we would have no alternative but to consider the application as withdrawn. We have not as yet received the additional information required to qualify the proposal as an exploration project. If we have reason to expect that supplemental information will be forthcoming after June 25, we shall be glad to consider the application as active.

177442

23263

We have assured the Applicant that any additional information submitted would be given prompt and careful consideration.

The correspondence forwarded with your request is returned.

Sincerely yours,

Acting Director

Enclosures

cc: General File copy
Division copy
Director's chron
Economic Geol. file
OME Docket file
OME Reading File
OME Region I (w/enclosures incoming correspondence)
Mr. Kirkemo

HKirkemo/gla

UNITED STATES SENATE

Respectfully referred to

Department of the Interior
Office of Minerals Exploration
Washington, D. C.

---

for such consideration as the communication herewith submitted may warrant, and for a report thereon, in duplicate to accompany return of inclosure. Could you furnish some further data in this case?

By direction of

Frank Church U. S. S.

NP

c o p y

CORNUCOPIA PLACERS
P.O. BOX 7313
BOISE, IDAHO 83707

June 1, 1967

RECEIVED
JUN 5 1967
SENATOR FRANK CHURCH

Senator Frank Church

Dear Sir:

Enclosed are copies of letters from the offices of Mineral Exploration and Securities Exchange Commission.

These agencies have been furnished all supporting data. Mineral Exploration says in essence, it is an operation and not exploration, therefore, they cannot support us. Securities Exchange say our supporting data is no good, etc.

The data we have, which is authentic, indicates this to be much more than average for a gold prospect. We are confident we will eventually receive approval from the Securities Exchange.

Would you please advise what action, if any, might be taken to expidite this proposal with Minerals Exploration or if there are other agencies to which we might appeal.

It is our understanding that our Government is looking for gold?

Thanks for your cooperation in this matter.

Yours truly,

L.W. Hawk

L.W. Hawk
Partner

LW/mz

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
WASHINGTON 25, D. C.

GEOLOGICAL SURVEY

RECD APR

IJL

AIRMAIL

APR 10 1957

Mr. W. F. Ingram
Partner
Cornucopia Placers
P. O. Box 1617
Boise, Idaho 83702

Re: OME-6616 (Gold)
Cornucopia Placers
Pine Creek Property
Baker County, Oregon

Dear Mr. Ingram:

The program described in your application for financial assistance to explore the Pine Creek property constitutes development work, preparation for mining, and actual mining. It, therefore, does not qualify as exploration and is not eligible for assistance under the OME program.

We base this decision on the fact that you propose an open cut perhaps 300 yards long through 50 to 60 feet of gravel to reach gold-bearing gravel known to be present near and on bedrock. This work achieves the same result in preparing for mining that earlier operators accomplished by hydraulic methods. The general content of gold in the deposit and the location of the better values are known from previous operations. The proposed open cut would not reveal much more information than is already known about the property. We believe that it would not be in the Government's interest to participate in the proposed expenditure of about $220,300 that this project is estimated to cost.

Perhaps you would consider exploring other areas on the property where there is geologic reason to expect significant values in gold, but where there has been no previous mining activity. For instance, a churn drilling program could be planned to explore larger areas than is possible with pits. Some of the limiting factors to consider in employing this method are the size and abundance of large boulders in the gravels.

If you wish to amend your application in order to present another program, we will give it prompt and careful consideration. Reference can be made to information already presented, but any new information

must be furnished, in duplicate, in full in accordance with requirements stated on the back of the application form.

Sincerely yours,

Frank E. Johnson

Frank E. Johnson
Chief, Office of
Minerals Exploration

Boise, Idaho
May 16, 1967.

Mr. Frank E. Johnson
Chief, Office of
Minerals Exploration.

Re: OMS-6616 (Gold)
Cornucopia Placers
Pine Creek Property
Baker County, Oregon

Dear Mr. Johnson:

Since the snow has melted we have been able to better evaluate the Placer property on Pine Creek. By taking advantage of work that other parties attempted to do with dragline and winch we can complete a cut to bedrock in a previously unexplored area of the property. This will require the movement of some 50,000 yards of boulders and gravel. Despite all the records we have from shafts that have been sunk and tests that have been made on this property, this is the only feasible way of proving that it can be mined at a profit.

This decision is based on the fact that due to the large boulders and courseness of the gold a churn drill or coredrilling program would be a useless waste of money. It is true that we will attempt to recover all the gold we can while making this open cut. We also hope to recover (and have good reason to believe we will) enough gold to pay the cost of this first phase by the time we have opened 200 feet of bedrock.

We are able to raise among ourselves and partners some $30,000 to $40,000. This might get the job done, however as you know a lot of good peoperty is condemned today because it was not adequately financed at the beginning. We beleive it would be in the Government's interest to participate in the exploration of this property to the extent of $30,000 to $40,000.

I sincerely hope you will agree to the extent that your field man can meet us on the property and go over our proposal more extensive ly. This can be arranged on our part on 1 or 2 days notice.

Sincerely yours,

L. W. Hawk

3702 Hillcrest Dr.
Boise, Idaho 83705

Telephone days--3751361
Nights -3436883

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
WASHINGTON 25, D. C.

GEOLOGICAL SURVEY

AIRMAIL

Mr. L. W. Hawk
3702 Hillcrest Drive
Boise, Idaho 83705

Re: OME-6616 (Gold)
Cornucopia Placers
Pine Creek Property
Baker County, Oregon

Dear Mr. Hawk:

This will acknowledge receipt of your letter dated May 16, 1967, supporting the originally proposed plan to explore the Pine Creek property with one trench and reducing the total estimated cost to about $60,000-$80,000 from the original $220,000.

In response to our suggestion to Mr. Ingram to consider a drilling project, we note your statement that this method of exploration is not feasible because of the presence of large boulders.

Your new proposal to excavate some 50,000 yards of boulders and gravel from one trench cannot be considered as exploration work because it would not test the extent, trend, or gold content of gravels in other portions of the claim or in other claims in the group. In other words, the size and grade of the potential deposit would not be tested adequately. The proposed work is more development and mining than exploration, and it would give little information that is useful for estimating reserves. The OME program offers assistance for authorized exploration work but not for prospecting, development, or mining activities.

We will withhold further action on your application for the next thirty days in the event you wish to revise your proposal and submit an exploration program. Unless we hear from you in this period, we have no alternative but to consider your application as withdrawn and to place it in our inactive file.

Submittal of additional information should not be considered as a commitment by the Government to grant an exploration contract.

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to: Mr. W. F. Ingram
P. O. Box 1617
Boise, Idaho 83702

SECURITIES AND EXCHANGE COMMISSION
REGIONAL OFFICE
900 HOGE BUILDING
SEATTLE, WASHINGTON 98104

May 8, 1967

Mr. Iver J. Longeteig, III
Hawley, Troxell, Ennis & Hawley
Attorneys at Law
First Security Building
P. O. Box 1617
Boise, Idaho

Re: Cornucopia Placers

Dear Mr. Longeteig:

We have reviewed the material filed under Regulation A on May 1 by you on behalf of the above company. It is apparent from our examination that the offering circular substantially fails to meet the terms and conditions of Regulation A, and, in our opinion, is materially misleading, through statements made, or omissions to state material facts necessary to portray the issuer's mining venture in its true light.

Deficiencies are too numerous to cite specifically and in detail in this letter, but include the following:

1. The failure to depict the venture on the basis of such first-hand data as are known to the issuer and essential to an evaluation of the mining possibilities of the property. As to this, see part 8A(b) of Schedule I under Regulation A. Also, see the requirement of part 8A(d) to submit supporting data where, as here, claim is made to a mineable deposit.

2. The failure to show the planned uses of all the prospective proceeds of the offering.

3. The failure to furnish the consent of Morrison-Knudsen Company for the statement on page 5 of the offering circular as to average gold content.

4. The use of the statement by LaFay Pace in light of the presumable facts that he (a) did not have the test data essential to his conclusion of gold values in the amount of $0.98 per cubic yard and (b) may not be qualified to evaluate such data, if available.

5. The assignment of a dollar valuation to the lease acquired in exchange for partnership interests and the failure to disclose the cash cost of the lease to the promoters.

Unless a request for withdrawal is received shortly, this office will find it necessary to recommend the institution of suspension proceedings under Rule 261 of Regulation A.

If you have any questions, please contact Mr. Walter F. Pitts or Mr. Leslie O. Gustafson of this office.

Sincerely yours,

James E. Newton
Regional Administrator

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/24/67	Kiebesser	120
		110
	Cal	220
		120M

MAY 25 1967

AIRMAIL

Mr. L. W. Hawk
3702 Hillcrest Drive
Boise, Idaho 83705

Re: OME-6616 (Gold)
Cornucopia Placers
Pine Creek Property
Baker County, Oregon

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23263

Submittal of additional information should not be considered as a commitment by the Government to grant an exploration contract.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to: Mr. W. F. Ingram
P. O. Box 1617
Boise, Idaho 83702

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
OME Region I w/cy Mr. Hawk;s letr. 5/16/67 and Suppl.Infor. to Mr. Kirkemo MME Form 40 (5 pp.)

HKirkemo/gla 5-24-67

OFFICIAL
COPY
O. M. E.
RECEIVED
MAY 18 1967
INITIALS | CODE

Boise, Idaho
May 16, 1967.

Mr. Frank E. Johnson
Chief, Office of
Minerals Exploration.

Re: OME-6616 (Gold)
Cornucopia Placers
Pine Creek Property
Baker County, Oregon

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3702 Hillcrest Dr.
Boise, Idaho 83705

Telephone days--3751361
Nights -3436883

See "Supplementary Information to MME Form 40" filed left-hand side.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/7/67	Kirkeno	120
4/10	Johnson	110
4/10	Coe	220
		120M

AIRMAIL

Mr. W. F. Ingram
Partner
Cornucopia Placers
P. O. Box 1617
Boise, Idaho 83702

APR 10 1967

Re: OME-6616 (Gold)
Cornucopia Placers
Pine Creek Property
Baker County, Oregon

Dear Mr. Ingram:

The program described in your application for financial assistance to explore the Pine Creek property constitutes development work, preparation for mining, and actual mining. It, therefore, does not qualify as exploration and is not eligible for assistance under the OME program.

We base this decision on the fact that you propose an open cut perhaps 300 yards long through 50 to 60 feet of gravel to reach gold-bearing gravel known to be present near and on bedrock. This work achieves the same result in preparing for mining that earlier operators accomplished by hydraulic methods. The general content of gold in the deposit and the location of the better values are known from previous operations. The proposed open cut would not reveal much more information than is already known about the property. We believe that it would not be in the Government's interest to participate in the proposed expenditure of about $220,300 that this project is estimated to cost.

Perhaps you would consider exploring other areas on the property where there is geologic reason to expect significant values in gold, but where there has been no previous mining activity. For instance, a churn drilling program could be planned to explore larger areas than is possible with pits. Some of the limiting factors to consider in employing this method are the size and abundance of large boulders in the gravels.

If you wish to amend your application in order to present another program, we will give it prompt and careful consideration. Reference can be made to information already presented, but any new information

23263

must be furnished, in duplicate, in full in accordance with requirements stated on the back of the application form.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Reading File
OME Region I
Mr. Kirkemo

HKirkemo/gla 4-7-67

April 4, 1967

Cornucopia Placers
P. O. Box 1617
Boise, Idaho 83702

Subject: OME - 6616

Gentlemen:

Your application for exploration assistance, dated March 24, 1967, submitted to our office at Spokane, Washington, has been assigned Docket No. OME-6616.

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 Region I