MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE

Contract No. _____ Docket No. 6605

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- [x] Withdrawn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

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane, Washington 99204
March 14, 1967

OFFICIAL COPY
O. M. E.
RECEIVED
MAR 16 1967
INITIALS | CODE

Memorandum

To: Chief, Office of Minerals Exploration

From: Field Officer, Region I

Subject: Transmittal of Application for Assistance
L & S Mines, Inc. (Silver-Gold)
Uranawish Claims Nos. 1 - 5
Stevens County, Washington

Enclosed is an application for OME aid to explore for silver-gold ore in the Orient Mining District, Stevens County, Washington, by 55 feet of shafting and 150 feet of drifting from the bottom of the shaft. Concurrently with this work the applicant proposes to diamond drill 10 X-ray size holes from the surface to unstated depths and to do an unspecified amount of geochemical sampling "in adjacent areas where geological evidence indicates potential ores."

The applicant's estimated cost of his proposed work is $23,000.00, of which the Government's share would probably be not more than 62½ percent or $14,375.00.

The application includes a claim map showing five claims of which Uranawish Nos. 1, 2, 3, and 4 were given to the corporation by Carl Sanstrom when the company was incorporated. The fifth claim, Uranawish No. 5, was located June 27, 1965, and the location was filed July 6, 1965, by C. L. Sanstrom, but there is no document to indicate that this claim was ever leased, given, or otherwise assigned to the applicant.

The narrative under 3(a) refers to 4 diamond drill holes that have been drilled apparently to test a geochemical anomaly but maps and "drill logs" account for only 3 holes. Of 18 sample assays shown on the "drill logs," 1 assayed 34.04 to 34.36 ounces gold and 23.2 to 32.42 ounces silver per ton, 4.3 percent lead, and 2.8 percent zinc. All other samples assayed contained nil to trace gold and nil to 0.32 ounce silver per ton.

D. R. MacLaren

D. R. MacLaren

Enclosures

[illegible] forms [illegible] requested

[illegible] the [illegible] for [illegible]

[illegible] two drill [illegible] will [illegible] as soon as [illegible]

[illegible] a distance [illegible] is to [illegible]

[illegible]

[illegible] 02

RECEIVED
MAR 8 1967
[illegible] WASH.

MME Form 40
Jan. 65

RECEIVED
FEB 16 1967
O.M.E.
SPOKANE, WASH.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

OFFICIAL COPY O.M.E. RECEIVED MAR 16 1967 INITIAL COLE

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.)*

L and S Mines, Inc.
PO Box 098
East Wenatchee, Wash. 98801

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: 6605
DATE RECEIVED: 3-16-67
REGION: I
DIVISION CODE:

BUSINESS ORGANIZATION *(Check one)*

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

STATE IN WHICH FIRM IS ORGANIZED: Wash.

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Grant Sanstrom	1612 Gordon Rd. Yakima, Wash.	Pres.
Carl Sanstrom	Spokane, Wash.	V. Pres.
Merle E. Loudon	Rt. 3 Box 3350 E. Wenatchee, Wash.	Sec.
Steven Gustin	1215 9th St. Wenatchee, Wash. 98801	Tres.

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

ESTIMATED COST OF PROJECT: $ 23,000.00

PROPERTY NAME	LOCATION COUNTY	LOCATION STATE
Uranawish Claims #1 - 5	Stevens	Wash.

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.

Feb 11, 1967
DATED

Merle E. Loudon
BY *(Signature)*

Sec, L+S mines, Inc.
TITLE

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

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

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

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

2. Applicant's Rights in Land:

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

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

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

3. Physical Description:

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

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

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

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

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

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

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

4. Accessibility of Property:

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

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

5. Exploration Work:

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

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

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

6. Experience:

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

7. Estimate of Costs:

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

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

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

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

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

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

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

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

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

THE *L and S* MINING COMPANY . . . *EXPLORATION & MINING*

Post Office Box 098 • East Wenatchee, Washington • Telephones TUrner 4-5815 and 4-4178

January 21, 1967

O.M.E. Geological Survey
So. 157 Harvard St.
Spokane, Wash. 99204

Dear Sir;

I, Merle E. Loudon, Secretary of L and S Mines, Inc. as directed by the Board of Directors, do hereby certify that the L and S Mines could not feasibly undertake the proposed exploration on Uranawish Claim 1 through 5, at Orient, Wash. at the sole expense of L and S Mines at this time under current conditions or circumstances.

Signed: Merle E. Loudon
Secretary L & S Mines

Date: Feb 11, 1967

Attested:

THE *L and S* MINING COMPANY . . . *EXPLORATION & MINING*

Post Office Box 098 • East Wenatchee, Washington • Telephones TUrner 4-5815 and 4-4178

January 13, 1967

Security Bank of Washington
East Wenatchee, Washington

Attention: Doug Harper

Dear Sir:

The L. & S. Mine, Inc. has plans to do certain mining exploration work on our five claims in Stevens County, Washington. This exploration work would include sinking a 55 foot shaft, drift 150 feet, do 1000 feet of core drilling, and related work to determine the extent of mineraliaation now evident on the surface of this property.

The L. & S. Mine would solicit a loan for $25,500.00 to do this work. The colateral available to support this loan would be a lein on these 5 claims in Stevens County. It is hopeful that this exploration will lead to production from which the loan will be paid.

Your early reply will be appreciated.

Sincerely,

Milt Sanstrom

Milt Sanstrom, Pres.
L. & S. Mines

Security Bank
OF WASHINGTON
EAST WENATCHEE, WASHINGTON

P.O. BOX 0249
PH. TU 4-7111

January 16, 1967

The L and S Mining Company
P. O. Box 098
East Wenatchee, Washington

Attn: Dr. Merle Loudon, Secretary

Dear Dr. Loudon:

In connection with your request for a loan to L and S Mining, Inc., we are sorry to inform you that due to our present money shortage, we will be unable to help in this venture.

Not too sure, but this loan might be available through Government assist. You might try.

Very truly yours,

L. Stewart Beauvais
Assistant Vice President

LSB:gn

THE *L and S* MINING COMPANY . . . *EXPLORATION & MINING*

Post Office Box 098 • East Wenatchee, Washington • Telephones TUrner 4-5815 and 4-4178

January 13, 1967

Central Washington Bank
Wenatchee, Washington

Attention:Dick Crocker

Dear Sir:

The L. & S. Mines, Inc. has plans to do certain mining exploration work on our five claims in Stevens County, Washington. This exploration work would include sinking a 55 foot shaft, drift 150 feet, do 1000 feet of core drilling, and related work to determine the extent of mineraligation now evident on the surface of this property.

The L. & S. Mine would solicit a loan for $25,500.00 to do this work. The colateral available to support this loan would be a lein on these 5 claims in Stevens County. It is hopeful that this exploration will lead to production from which the loan will be paid.

Your early reply will be appreciated.

Sincerely,

Milt Sanstrom

Milt Sanstrom, Pres.
L. & S. Mines

CENTRAL WASHINGTON BANK
WENATCHEE, WASHINGTON 98801

January 17, 1967

Milt Sanstrom, President
L and S Mining
P.O. Box 098
East Wenatchee, Washington

Dear Mr. Sanstrom:

We are not in a position to grant your request for a loan to do exploration work on mining claims.

Very truly yours,

Dick Crocker
Executive Vice President

DC:em

East Wenatchee, Wash.
Nov 19, 1963

Merle E. Loudon, Milton L. Sanstrom, and Carl L Sanstrom herewith give the following mining Claims and Property to form a corporation known as follows:

L and S Mines, Inc.

One Milton Sanstrom and Merle E Loudon will give three mining claims five miles from Goulding Harbor, Sitka Mining District, Chichagoff Island, Alaska, plus One hundred Sixty deeded acres of Land in Chelan County, Wash., known as follows: The south half of the Northeast Quarter and the South half of the Nortwest quarter of Sec. 9, T 26N, RN21EWM., Chelan Co., Wash.

One Carl Sanstrom will give Four mining claims with cabin Three and one-half miles north of Orient, Washington, known as Uranawish #1,2,3,4., Orient Mining District, Stevens Co., Wash., plus One Diamond Drill and accesories

The above claims , land, and property will be capital in forming L and S Mines, Inc.

Merle E. Loudon
Merle E. Loudon

Milton L. Sanstrom
Milton L. Sanstrom

Carl L Sanstrom
Carl L. Sanstrom

RECEIVED
MAR 8 1967
SPOKANE, WASH.

NOTICE OF LOCATION

OF THE

Uranawish #5 **Quartz or Lode Claim;**

Discovered June 27, 1965, **Located** June 27, 1965

Notice is hereby given that the undersigned, having complied with the Mining Act of Congress, approved May 10, 1872, and with all subsequent Acts, and with local laws, customs and regulations,

has this 27th **day of** June, 1965, **located and claimed** 1500

linear feet and horizontal measurements on the limestone, Gneiss **lode, vein, ledge, or deposit, along the vein thereof, with all its dips, spurs, angles and variations, as allowed by law, together with 300 feet on each side of the middle of said vein at surface ground**

within the lines of said claim, which is situated in Orient

Mining District, County of Stevens, **of** Washington

and is described by metes and bounds as follows: Commencing at

The N.W. corner of Uranawish #1, thence 1500 ft bearing S 14°38' W, thence 600 ft bearing N 75°22'W, thence 1500 ft bearing N 14° 38'E, thence 600 ft bearing East to the N.W. corner Uranawish Claim #1, (Pt. of beginning) This claim lies in Section 25, Twp. 40 North, Range 36 E. W. M.

Witness Merle E. London **Located by** G. L. Sanstrom

This book is guaranteed against loss for error in which guaranty is insured in LLOYD'S, London—Pat. Pend.
Printed in U.S.A., Seattle Blank Book Co. Notice of Quartz or Lode Claim Form No. 251

Printing Date 12-14-61

(July 6, 1965) at 1:16 P.M.,
28 of Quartz

The L & S Mining Company,
P.O. Box 098
East Wenatchee, Washington 98802

FILER

$2.00

369550

PROOF OF LABOR ON MINING CLAIM

State of Washington, County of _____, ss.

"M" Assessments
REQUEST OF
Carl L. Sanstrom at 10:20 AM. AUG 1 1965
COUNTY AUDITOR
L & S Mining Company
P.O.Box 098
East Wenatchee, Wash.
$1.00
(Ack.$2)

Carl L. Sanstrom being first duly sworn, on his oath says: I am over the age of twenty-one years and well acquainted with the Uranawish Group of Claims consisting of the Uranawish #1, #2, #3 and #4

Mining Claims situated in Orient Mining District, County of Stevens State of Washington; that during the months of September through November 1964 and May and June, 1965, at least $400.00 Dollars worth of work was performed, or improvements were made, upon said Mining Claims, said work and improvements consisting of sinking shaft, in addition to $400.00 diamond drilling

that such expenditure was made by, for and at the expense of L. & S. Mining Company, Inc., E. Wenatchee, Washington P.O.Box 098 the owner of said claims, for the purpose of holding said claims for the year ended September 1965 as required by law.

Signed Carl L. Sanstrom

Subscribed and sworn before me this 10 day of August, A.D., 1965

Deputy County Auditor
Notary Public
Residing at Colville, Wash.

APPLICATION FOR LOAN

MME FORM 40
Jan 65

1. a. Evidence of application for loan at 2 banks, & 2 copies of reply.
   b. Not applicable.
   c. Assets listed as shown below for L andS cost of exploration, totaling $24,000.00

Cash in bank	$2000.00
Diamond drilling equipment (bits, stems & access.	$2000.00
Ingersoll Rond 200 cfu air compressor	$2000.00
Hercules Gas Power unit	$500.00
Air receiver and piping	$1000.00
Ore, cars, jack hammers, water pump, hoses, bits, and accessory tools	$1000.00
total	$8500.00

2. a. Sole owner of 5 claims Uranawish 1, 2, 3, 4, and 5 located in Section 25 T40 N R36 E.W.M., Orient Mining District, Stevens county, Washington. There are no leins or other incumberances.
   b. The claims are known as the Uranawish # 1,2, 3, 4, and 5 located and recorded Vol. M of Assessments, pg. 330 and Bk. 28 of Quartz pg. 335. (Uranawish 1,2,3, and 4 were located by Carl L. Sanstrom and have subsequently become a part of the L and S Mines at the time the company was formed.
   c. Not applicable.

3. a. Attached map by Al Nugent, Geologist, Bunker Hill Mine, Wallace, Idaho.
   The present workings consist of 4 diamond drill holes, which the L and S Mines put down, and which showed a vein of values as indicated on the enclosed assay by Cominco of Canada. An exploratory shaft with timber head frome has been started to further explore the anomally. The shaft is down approximately 12 ft.
   b. The L and S Mine has done all the aforementioned work.
   c. None
   d. Samples were diamond drill cuttings and these have shown commercial values. More exploratory work is required to determine presence of ore reserves.
   e. This deposit is in a limestone formation bounded on the south by granite and on the north by Orient Gnieses. Refer to state Division of Mines map.

Sup

any more?

f. We have both core drilled and geochemically tested the Uranawish #1 claim. Enclosed is a map of geochemical values and location of shaft and drill holes.

g. Enclosed are copies of original exploratory work done which include geo-chemical analysis map, location of shaft, diamond drill holes and assay results. These are copies which you may keep.

4. a. This property can be reached from Orient, Wash, by crossing Kettle River at Orient, proceeding upriver on east side approximately 4 miles, thence easterly on a gravel road (Rock Creek Road) approximately 2 miles to a left road junction leading past a ple corral on a primitive access road toward the Merton Barber residence. About 1 mile there is a log cabin on our claims. Approximately ¼ mile further is Merton Barber residence. Mr. Barber could direct you to the exploration area.

b. Supply point - Spokane, Wash. - approximately 125 miles.
Shipping point - Kellogg, Idaho - approximately 140 miles.

5. a. The proposed exploration work would include a vertical shaft 8' by 6' driven to a depth of 55 ft. This will intersect the diamond drill hole #1 previously drilled at a point where the enclosed assays were taken. Concurrently diamond drilling will be done in the anomally shown on the enclosed map prepared by Mr. Nugent of Bunker Hill. Also concurrently, soil sampling will be done in adjacent areas where geological evidence indicate potential ores.

. It is intended to drift from the shaft toward the anomally, appromimately 150 ft. to explore the region indicated by Mr. Nugent. Underground diamond drilling will be done if conditions warrent it.

b. Approximately 500 ft. of existing access road (one way) will be bull-dozed to a better width and less rough conditions by use of bulldozer.

c. Work would start as soon as weather permitted and would continue through the summer until all proposed exploratory work was completed. Our average daily rate would be 5 ft. of shaft or drift per working day and 25 to 35' of diamond drill hole per working day. Approximately 5 weeks to get the soil samples and have them tested. The proposed work would be planned for completion by the fall of '67.

6. The personnel of the L and S Mine, Inc. will supervise the work, and the work will be done by experienced mining engineers, geologists, and miners.

7. See sheet of detailed costs.

a. Independent contracts will be for 55 ft. of shaft and 150 ft. of drift. At $ 24.00 per ft. of shaft and $ 60.00 per ft. of drift. As supported by the bid prices attached.

b. Geological services will be by Prof. Mason, Pullman, Wash. at $150.00 per day for a maximum of 5 days. Supervision and labor will be furnished by contractor for contract work, applicant will furnish supervision of overall operation and labor on certain portions of work.

c. Operating materials:

Shaft at 8 #/ cu.yd. 40% Gel	=	800 lbs explosives
Drift at 16#/ L.F. 40% Gel	=	2400 lbs explosives
Timber Shaft 40 bd. ft./ ft.(55)	=	2200 bd. ft. timber
Gasoline - 20 gal./ day / 41 days	=	est. - 800 gal.
Lubes, oil change/ 20 hr.	=	est. 20 gal.
Provide water supply (well repair)		est. $1000.00
Hand saws, axes, pick, shovel, wire rope, lumber (200 bd. ft.), ladder way, wire rope sheaves, spikes, rails, cross ties, piping for water and air	=	$1790.00

d. Operating Equipment:

200 cfm - Ingersoll Rand Compressor overhauled and in good condition, provided by applicant	=	market value - $1000.00
60 hp. gas Hercules power unit belt drive	=	good cond. - $500.00
Boyles Bros. X-Ray diamond drill with accessories	=	good - $1000.00
Homelite XL chain saw - excellent cond.		- $175.00
5' diam. X 14' - ¼" plate air receiver for piping from comp. and to water pressure tank - 50 gal. tank -		- $400.00
Two ore cars	=	fair cond. - $100.00
Jack hammer, bits, hoses, etc.		- $500.00

Foregoing provided by applicant.

e. Initial rehabilitation and repair: The applicant will complete installation of the air compressor, power unit, and air receiver, and water pressure tank and put it in good working order. The head frame at the shaft will be stiffened and modified with channell iron and wood bracing. The trestle for dumping waste rock

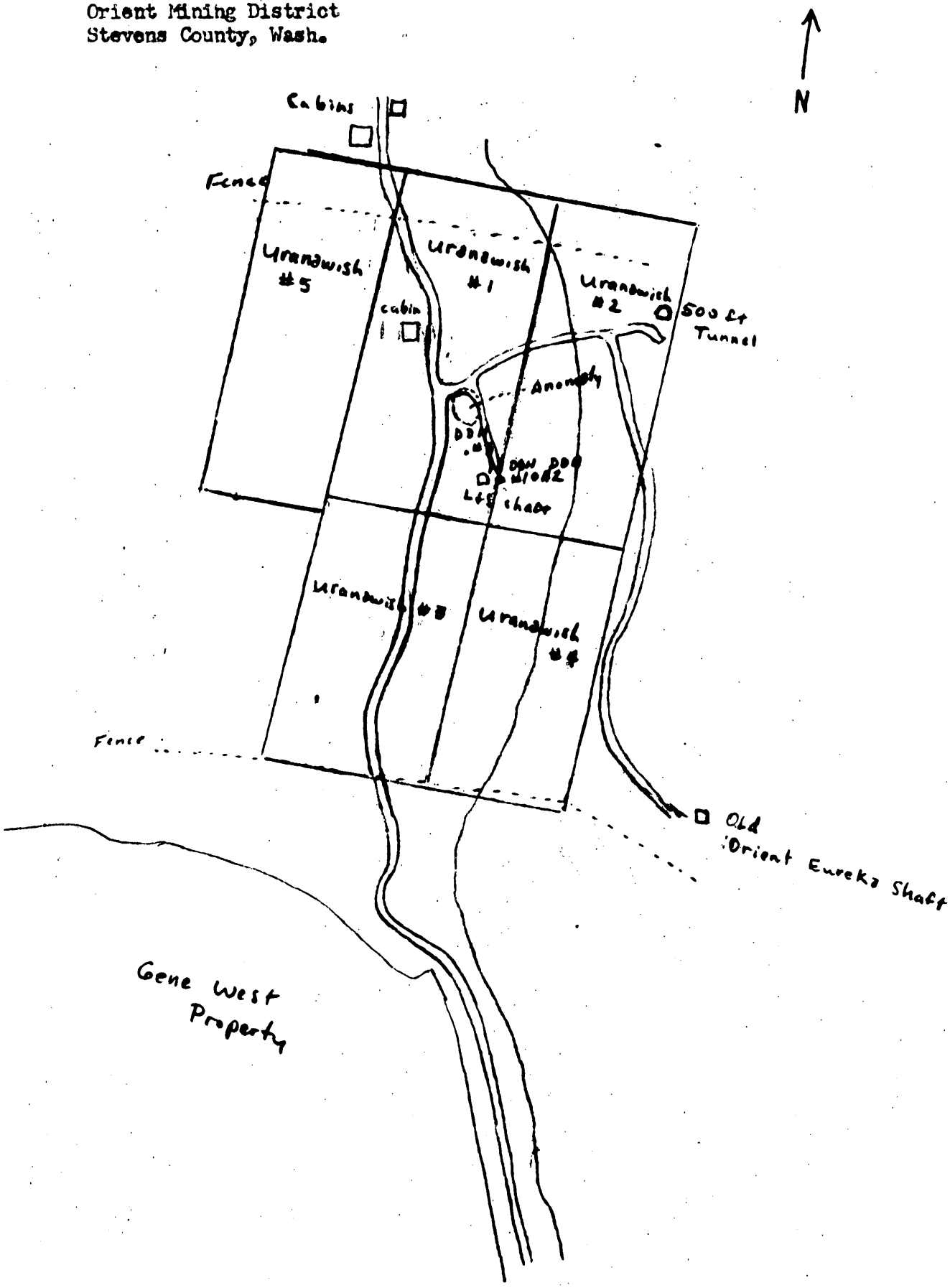
will be lengthened, cross ties, and railing installed. water pump and piping from the water source to the water tank will be installed bu the applicant.

f. There will be no new buildings, fixtures, o& installations will be limited to the sinking of a small well in creek bed, installing the water pump and piping.

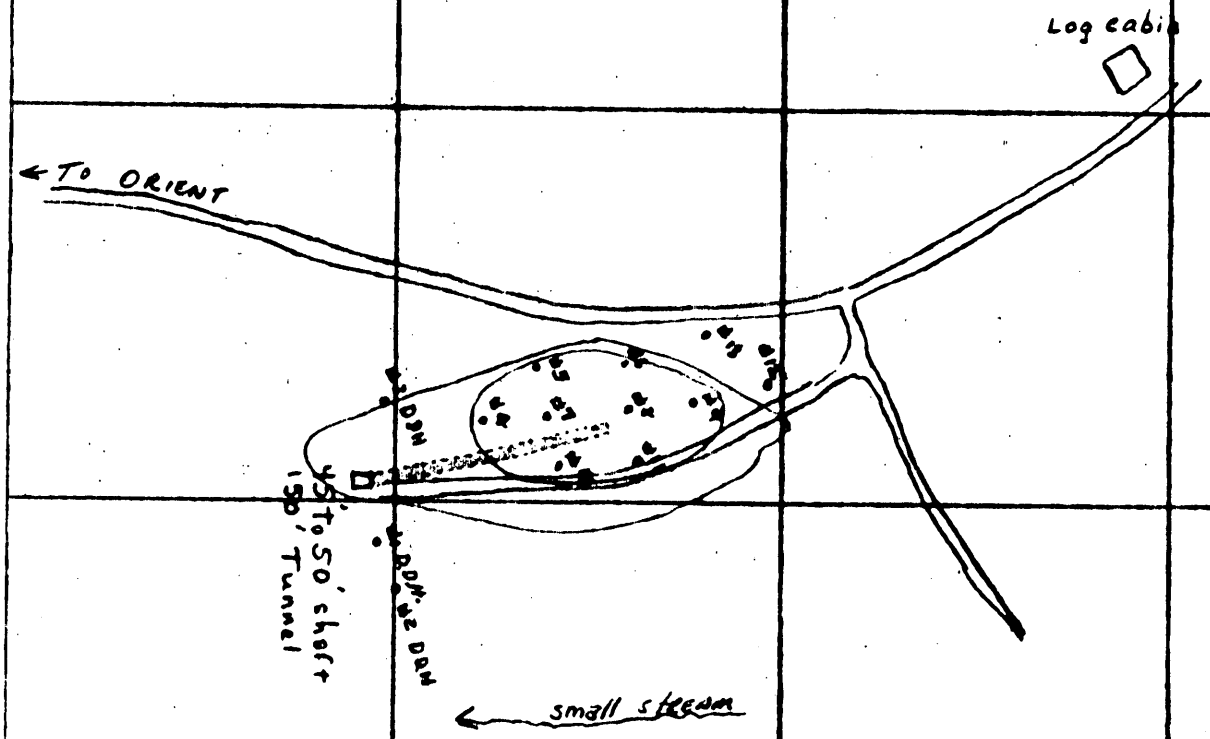
g. The equipment when installed should be free of repairs for the length of thw exploration contract. Maintenance will be limited to oil changes, lubrication, and minor adjustments in the machinary, Geochemical soil testing, accounting, workmen's compensation and employees' liability insurance, and payroll taxes should not be excessive.

RECEIVED
MAR 8 1967
U.S.F.S.
SPOKANE, WASH.

L. & S Mines
Claim Location
Uraniwish #1,2,3,4,5
Orient Mining District
Stevens County, Wash.



L + S Mines
Proposed Shaft area and Diamond Drill hole areas (proposed) with
10 100' Diamond Drill Holes
No's 1,2131 D.D.H. are existing holes.

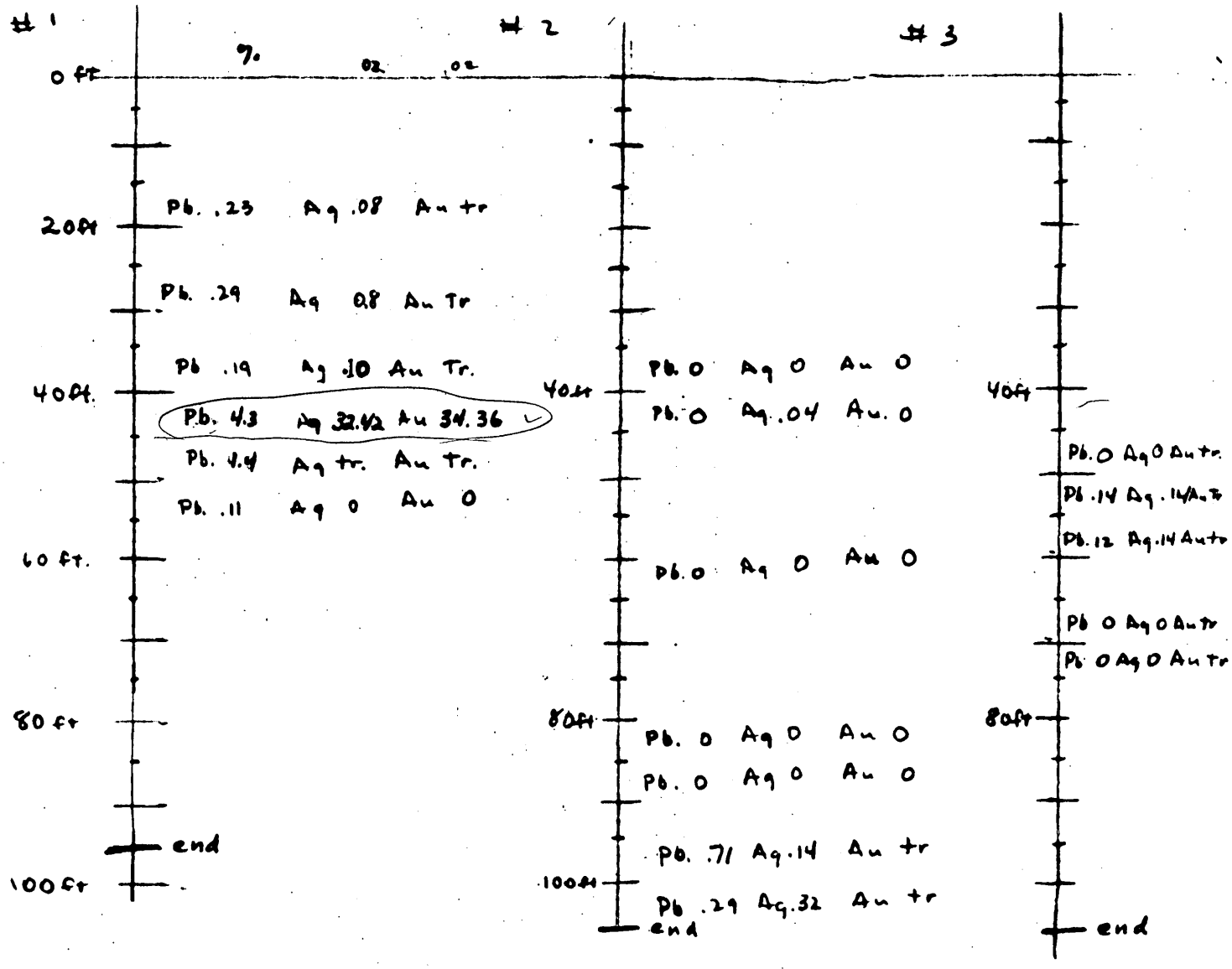


10 Proposed Diamond Drill Holes and Shaft
Scale 1" = 100'
D.D.H. To 100 ft depth

L+S Mines
Feb 22, 1967

L & S Mines
Nov. 22, 1964

Diamond Drill Hole Logs - Uranawish #1 Drill holes #1,2,3
5 ft core sections and assays



Assays from: Bunker Hill Company
Colorado Assaying Company
Cominco- Trail, B.C.
L-D Mines, Wenatchee, Wash.

ASSAY CERTIFICATE

TADANAC,
BRITISH COLUMBIA

August 25, 1964

confirmation of samples #1 to Gus Lacass fire assay June 17, 1964, L & E.D. Mines, Wenatchee, Wn. (attached) Both samples from D.D. Hole #1

SUPERVISOR: D. O. Lyon

Ron.

12.31.25

Fire assay at L. & D. Mines,
Wenatchee, Wn.

A. H. HOLLAND, PRES.
EDMUND E. PHILLIPS, VICE-PRES.—GEN. MGR.

M. E. HOLLAND, TREASURER
M. E. PHILLIPS, SECRETARY

THE COLORADO ASSAYING COMPANY

(Incorporated)

ASSAYERS AND CHEMISTS

2244 BROADWAY

DENVER 1, COLO.

June 30, 1964

OUR MOTTO:—
"What there is in it, no more, no less."

Report of Spectrographic Analysis submitted by Mr. Merl Loudon, E. Wenatchee, Washington

SAMPLE #1 Hole #1 - 40'-45'

ELEMENTS PRESENT	APPROXIMATE PERCENTAGES.
Silicon	major
Aluminum	10.
Iron	5.
Calcium	major
Magnesium	5.
Sodium	1.-2.
Potassium	2.-3.
Manganese	.3
Titanium	.5-1.
Arsenic	.01-.03
Barium	.1
Boron	.001
Chromium	.01
Cadmium	.005-.01
Copper	.1-.2
Gallium	.001
Lead	10.
Lithium	.005
Molybdenum	.001
Nickel	.01
Rubidium	.01
Strontium	.01
Vanadium	.01
Zinc	5.
Zirconium	.02

Uranium trace.

REMARKS: This sample consists of white Feldspar (potassium, sodium aluminum silicate), soft white Calcite (calcium carbonate with some magnesium carbonate) and some hard clear to translucent white Quartz (silica).
The heavy minerals are the metallic steel-gray Galena (lead and sulphur), light brown to dark resinous Sphalerite (zinc and sulphur) and some metallic yellow Iron Pyrite (iron and sulphur with some copper).
It is valuable for its Silver, Lead and Zinc contents.

Respectfully submitted,
THE COLORADO ASSAYING COMPANY

BY Ed Phillips

ASSAYERS • CHEMISTS
SPECTROGRAPHIC ANALYSIS
PHYSICAL AND
NON-DESTRUCTIVE TESTING

INLAND ANALYTICAL LABORATORIES, INC.

PHONE KE 5-3021
NORTH 314 HOGAN STREET
TERMINAL ANNEX BOX 2967
SPOKANE, WASH. 99220

Report to The L & S Mining Co.
P. O. Box 098
East Wenatchee, Washington 98802

Date September 26, 1966

Lab. No. B 0519

Report on one (1) sample for gold, silver, copper, lead, and zinc.
Note: Gold and silver reported in Troy ounces per ton.

SAMPLE #1 - Gold - Nil

Silver - 0.2

Copper, Lead and Zinc - All less than 0.1% as per spectrograph.

QUALITATIVE SPECTROGRAPH

ALUMINUM	MOLYBDENUM
BARIUM	POTASSIUM
CALCIUM	SILICON
COPPER	SILVER
IRON	SODIUM
LEAD	TITANIUM
MAGNESIUM	VANADIUM
MANGANESE	ZINC

Nothing of commercial amount.

Approx. 12 ft deep in shaft at Orent.

INLAND ANALYTICAL LABORATORIES, INC.

BY _____

FRED TOWNSEND

REVISED PROPOSAL FORM

Wenatchee, Wash
CITY STATE

Feb 6, 1967
DATE

To: E and S Mines
P O Box # 098
East Wenatchee, Washington.

In compliance with your request for proposal to perform the following itemized exploratory mining works: at the follow- Locations: existing shaft, claims 1 and 2, E and S property located in Section 25 and 40, N R 36 D.W.M. Orient mining district, Orient, Washington.

This proposal includes only Labor plus powder, bits and steel.

ITEM 1 Excluded.

ITEM 2 Dig and construct timbered water well 4X4', 8' deep in creek near existing shaft and install pump, hoses, and water tank (provided by owner) to compressor. Lump sum $400.00

ITEM 3 Revised to installing new head frame and dump. Lump sum 600.00

ITEM 4 Revised to: Installing 6'X8' incline shaft at 45 degree to designated depth of 55 vertical feet required by existing shaft or approximately 75 feet of incline. Lump sum 4,500.00 60/ft inclined

ITEM 5 Drive drift 8'X8' from bottom of shaft mentioned in item for 150 feet in compliance with magnetic bearing furnished by owner. Lump sum 8,250.00 55/ft

Total.....$13,750.00

ITEM 6 Date the foregoing work will be finished Six Months from date accepted, 1967

SIGNED James C. Mead

DATE 2/6/67

PROPOSAL FORM

Wenatchee, Wash
CITY STATE

Feb 4, 1967
DATE

TO: L and S Mines
Po Box #098
Wenatchee, Wash.

In compliance with your request for proposal to perform the following itemized expploratory mining works: at the following location existing shaft, claims 1 and 2, L and S. property located in Sections 39 and 40, T 8 R 36 E.w.M. Orient mining district, Orient, Wash.

Item 1: Rehabilitate the existing shaft including timbering [illegible] $ 3400.00

Total $ 680.00

Item 2: Dig and construct timbered water well 4' by 4' wide, 8' deep in creek near existing shaft and install pump, hoses, and water tank (provided by owner) to compressor lump sum $ 400.00

Item 3: Rework head frame, extend trestle, and moving rail 40 more ft. for dump. lump sum 350.00

Item 4: Sink shaft 8' by 6' at existing location to depth of 55 ft. total $ 2800.00

Item 5: Drive drift 8' by 8' from bottom of shaft mentioned in item 4 for 150 ft. in [illegible] plianc[illegible] magnetic bearing furnished by owner total $ 9000.00

Item 6: Core drill in snowbly north of shaft as directed by owner 1,000 total ft. (maximum depth - 100 ft. each hole) Core size X". Drilling equipment and diamond bits furnished by owner lump sum $ [illegible]

Item 7: Date the foregoing [illegible] 6 months from date [illegible]

SIGNED Henry J. Bell

DATE Feb 4th 1967

ATTESTED:

All figures in this proposal includes labor, plus powder, [illegible] and steel only.

MME Form 7
(2/63)

OFFICIAL FILE COPY

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

September 29, 1967

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6605 (Silver-Gold)
L and S Mines, Inc.
Uranawish Claims Nos. 1-5
Stevens County, Washington

The Applicant has not replied to our letter of August 29, 1967.

Accordingly, the subject docket is referred to the inactive file and the application considered as having been withdrawn.

Frank E. Johnson
Frank E. Johnson

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

GLAult/a 9-29-67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

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

AIRMAIL

Mr. Merle E. Louden
Secretary
The L and S Mining Company
Rt. 3, Box 3350
East Wenatchee, Washington 98801

AUG 29 1967

Re: OME-6605 (Silver-Gold)
L and S Mines, Inc.
Uranawish Claims Nos. 1-5
Stevens County, Washington

Dear Mr. Louden:

We have not had a reply to our letter of July 17, 1967, in reference to your letter of May 12, 1967 and previous correspondence concerning the subject application. If we do not receive a reply from you within thirty days from the date of this letter, we will assume that you are no longer interested in proceeding with your application and shall consider it as having been withdrawn.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

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

ECPeterson/gla 8-29-67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
7/17	Peterson	120
7/17/67	Kirkemo	120
		110
7/17	Cal	220
		120

Returned by P.O. marked "unclaimed" Resent to Merle E. Loudon Rt. 3 Box 3350 East Wenatchee, Wash. 98801

AIRMAIL

JUL 17 1967

The L and S Mining Company
P. O. Box 098
East Wenatchee, Washington 98801

Re: OME-6605 (Silver-Gold)
L and S Mines, Inc.
Uranawish Claims Nos. 1-5
Stevens County, Washington

Gentlemen:

We have not heard from you since your letter of May 12, 1967. Will you please advise us when we may expect to receive the necessary data so that we may continue processing your application. If you have decided not to pursue it further, please so inform us.

We wish to cooperate fully in allowing you ample time to obtain the requested data; however, we cannot indefinitely postpone action on an application.

Sincerely yours,

Harold Kirkemo

for 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 1
Peterson

ECPeterson/bih 7/17/67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/17/67	Petersm	120
5/17/67	Kirkemo	120
		110
		220
		120M

MAY 17 1967

AIRMAIL

The L and S Mining Company
Post Office Box 098
East Wenatchee, Washington 98801

Re: OME-6605 (Silver-Gold)
L and S Mines, Inc.
Uranawish Claims Nos. 1-5
Stevens County, Washington

Gentlemen:

This will acknowledge receipt of your letter of May 12 in which you include additional information pertaining to the subject application.

We shall continue to hold the application until we have received the drilling bids mentioned in the letter. Any additional geologic evidence that would better identify the specific targets you wish to explore should also be submitted at that time.

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 incoming letter
Mr. Peterson

ECPeterson/gla 5-17-67

23263

THE *L and S* MINING COMPANY EXPLORATION & MINING

Post Office Box 098 • East Wenatchee, Washington • Telephones TUrner 4-5815 and 4-4178

OFFICIAL COPY
O. M. E.
MAY 15 1967
INITIALS CODE

May 12, 1967

U.S. Department of Interior
Office of Mineral Exploration
Washington 25, D.C.
Mr. Frank E. Johnson

Re: O M E-6605
Uranawish Claims Nos. 1-5

Dear Mr. Johnson,

We have been waiting to obtain some core drilling bids for our O.M.E. application and consequentley we have been waiting to answer your previous letter.

However, I will answer your other questions and let you know we are still waiting for the core drilling bids.

As per your question on the document assigning the rights of C.L. Sanstrom on the location of the Uranawish #5 claim. The No. 5 claim of the Uranawish group was staked in 1966 by Mr. M.L. Sanstrom and myself and recorded at Colville, Washington as Uranawish # 5(Owners of L.and S. Mines).

The 500 foot tunnel on our property is across the creek in an area not shown to possess any indication of ore by drilling or soil samplings. The tunnel is driven in a direction opposite the area we wish to do our exploratory work.

The Fourth diamond drill hole was drilled before we obtained the claims for L.&S. Mines and we were furnished no records of any assays for it. We were informed , however, that only two or three assays were made and they showed no promising results. The hole was drilled in a location away from the anomaly that was soil tested. The actual anomaly that was soil tested and located has not been drilled yet and that is what we plan to do.

Thank you for your interest in this matter.

Drill core bids will be forthcoming in the near future.

Sincerely,

Merle E. Loudon

Merle,E. Loudon
L. & S. Mines, Inc.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/2	Peterson	
5/4/67	Merrithew	

AIRMAIL

L & S Mines, Inc.
P. O. Box 098
East Wenatchee, Washington 98801

MAY 3 1967

Re: OME-6605 (Silver-Gold)
L & S Mines, Inc.
Uranawish Claims Nos. 1-5
Stevens County, Washington

Gentlemen:

We have not had a reply to our letter of March 22, 1967. Will you please inform us of your plans regarding the application. If you have decided not to pursue it further, will you please so inform us.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Econ. Geol. File
OME Docket
OME Reading File
Region I

MMerrithew/mm (5/2/67)

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/22	Peterson	
3/22/67	Kerberma	
		120 M

AIRMAIL

L & S Mines, Inc.
P. O. Box 098
East Wenatchee, Washington 98801

Re: OME-6605 (Silver-Gold)
L & S Mines, Inc.
Uranawish Claims Nos. 1-5
Stevens County, Washington

Gentlemen:

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

Please furnish a copy of the document assigning the rights of C. L. Sunstrom, the locator of the Uranawish No. 5 claim, to the L & S Mines, Inc.

In the narration you indicate that four diamond drill holes have been drilled apparently to test a geochemical anomaly, but maps and drill logs account for only three of these holes. Please submit the missing log and indicate the location of the fourth hole. The lettering on the maps submitted is so small and blurred that we are unable to determine if this location is shown.

The assays submitted indicate that the metal content of the deposit is extremely low and that further exploration may not be justified. We note that only one assay shows mineralization which may be considered as being commercially important. Perhaps you have or can obtain additional geologic evidence that would better identify the specific target which you believe warrants further testing.

Furnish details in reference to the 500-foot tunnel which has been driven on the Uranawish No. 2 claim. Does this tunnel extend to the area you wish to explore?

For your information, allowable costs under an OME contract do not include full book value allowances to the operator for his equipment used on a contract. Rather, for each piece of his equipment used on a project the operator is compensated by allowing depreciation to

23263

the extent of 1/60th of the fair market value of the equipment or its book value, whichever is less, for each month used. If the equipment is rented, a fair rental charge per month is allowed.

In addition, the Government pays its share of the costs at the end of each month after a voucher for the costs incurred has been submitted and approved. It usually takes two or three weeks to process such a voucher. An applicant, therefore, should have sufficient funds readily available to pay for all the costs of the project for the first two or three months.

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

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Mineral Exploration

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

ECPeterson/mm (3/22/67)

March 16, 1967

L and S Mines, Inc.
P. O. Box 098
East Wenatchee, Washington 98801

Subject: OME-6605

Gentlemen:

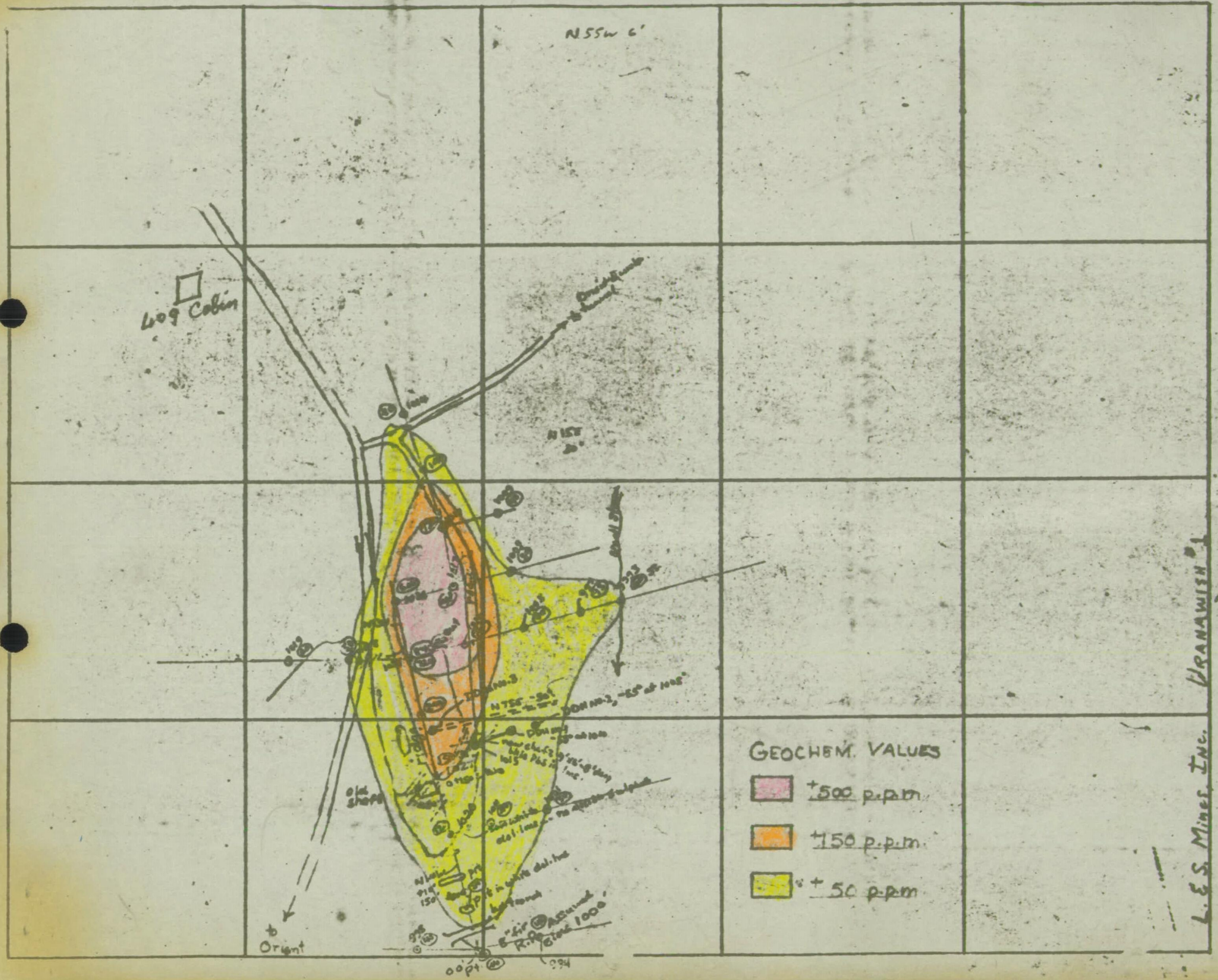
Your application for exploration assistance, dated February 11, 1967, submitted to our office at Spokane, Washington, has been assigned Docket No. OME-6605.

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

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy Region I


N55W 6'
Log Cabin
N15E
Old Shaft
to Orient
00' pt
GEOCHEM. VALUES
+500 p.p.m.
+150 p.p.m.
+50 p.p.m.
L.E.S. Mines Inc.
Uranawish #1
MINE S+I PROSPECT, Orient Wash.
NOTES BY AEN-RJH
SCALE 1" = 100'
DRAWN Br.-tape geochem. inc.
DATE Nov. 22, 1964.