UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Terminated (~~or cancelled~~) without certification. DMEA No. 344

This is the official contract file containing all official records of the project. Duplicate material has been removed. The records contained in the files are checked and are arranged in this manner:

Left Side

Certificate of Audit (Final).

Interim Audit(s).

✓ Report of Review.

Termination Notice or Agreement.

Recision Notice.

Assignment of Contract.

Contract Amendments (latest on top).

✓ Contract with all exhibits and annexes.

Owner's Consent to Lien.

Subordination Agreement.

Leases and assignments of leases.

✓ Application and attachments. M7-100

Schedule of Collections.

✓ Operator's monthly reports and all attachments (latest on top).

Right Side

✓ Project summary.

✓ Work completed analysis.

✓ All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report. (Tab)

Operator's Final Report.

Interim Reports.

✓ On-site Exam Report(s). (Tab)

Settlement Sheets.

If additional folders are required because of volume of records, show folder numbers and contents below:

Maps in folder number _____

Operator's Monthly Reports in folder number _____

✓
Reviewer's Initials

7973

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Ike W. Kusisto

P. O. Box 938

Prescott, Arizona

pertaining to Exploration Project Contract No. E-20, Docket No. DMA 344, for the period of June 25 to September 30, 1951.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of an audit of the Operator's accounts and records for the reasons indicated below:

(a) the administrative cost to the Government of an audit would be excessive in relation to value of the contract or the amount ofpossible disallowances thereunder.

(b) the contract files include evidence that the Government representative who visited the project examined the records of the operator, and determined the validity and propriety of the cost claimed.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor		$4,999.99
Exceptions:		
By DMEA Finance Officer	None	
Total Accepted Cost		$4,999.99

The contract calls for a 50 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of two thousand five hundred Dollars and no/100

- $2,500.00 -

is considered valid and proper.

Date: July 28, 1952

Auditor

MF-206
(April 1951)

Du 1033

Docket No. DMA 344
Commodity Lead

I-DMA-E20

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

JUL 13 1951

RECEIVED 17
CONTRACT SERV

It is agreed this 25th day of June, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2]

Ike W. Kusisto
P. O. Box 938
Prescott, Arizona

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Arizona, County of Yavapai described as follows: [3]

Mormon Girl No. 1 and Mormon Girl No. 2 being located lode claims recorded in Book of Mines 156, page 459 and Book of Mines 157, page 316 said records in the Court House, Prescott, Arizona

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: None

~~(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.~~

3. *Exploration project.* The Operator, within 30 Days days from the date of this contract shall commence work on a project of exploration for [5] lead-zinc; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] 4 months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Attached hereto, marked "Exhibit 'B'," is a detailed list of additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute its agreed pro-rata share of the cost. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

6. *Operating equipment.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. As to equipment purchased for the project, the Government will contribute its agreed pro-rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, and other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* Attached hereto, marked "Exhibit 'D'," is an itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in the contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, or any other indirect costs not expressly allowed by these regulations, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator 50 percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $2,500.00, which is 50 percent of the agreed estimated total cost of this project, $5,000.00.

12. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

14. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent additional for each full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the property which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

15. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

16. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in triplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By _____
Administrator, Defense Minerals Administration

_____
(Operator)

By Ike W. Kuaisto

U. S. GOVERNMENT PRINTING OFFICE 16—64066-1

Ike W. Kusisto
Docket DMA-344

EXHIBIT "A"

The exploration project is to consist of driving a crosscut adit 80 feet to intersection with a lead-zinc vein and driving 170 feet of drift on the vein to explore and sample the inferred one block.

The cost of the project including all labor, supplies, repairs and utilities is estimated at:

250 feet of tunnel @ $20 per foot = $5,000.

The above work to be performed on the Mormon Girl No. 1 and Mormon Girl No. 2 located claims and repayment will be from any and all ore produced from these claims.

Maps showing the location and exploration project are attached hereto and made a part of this contract.

EXHIBIT "B"

No facilities, buildings or fixtures are on the property and none are allowable as a cost under this contract.

EXHIBIT "C"

The following items are to be furnished by the contractor for the exploration project with the following allowable monthly rental and total rental for the three months necessary for the completion of the project.

Item	Rental Per Month	Rental For 3 Months
3/4 Ton Heavy Duty Truck	$ 90	$ 270
Compressor, Portable	250	750
2 Drifter Drills	142	426
Sinking Drill	40	120
Mine Car	7	21
Drill Steel, Air Hose, Pipe, Rail, Tools	69	207
Total Rental	$598	$1794

No other rental items are allowable as costs under this contract.

Exhibit "D"

Labor
2 Miners $13.00 per shift

In addition to the above the Contractor is permitted to charge as an allowable cost of the project labor he himself performs on the project at the rate of $13.00 per shift worked.

Exhibit "E"

No repair or rehabilitation of existing facilities, buildings, installations and fixtures are allowable as a cost under this contract.

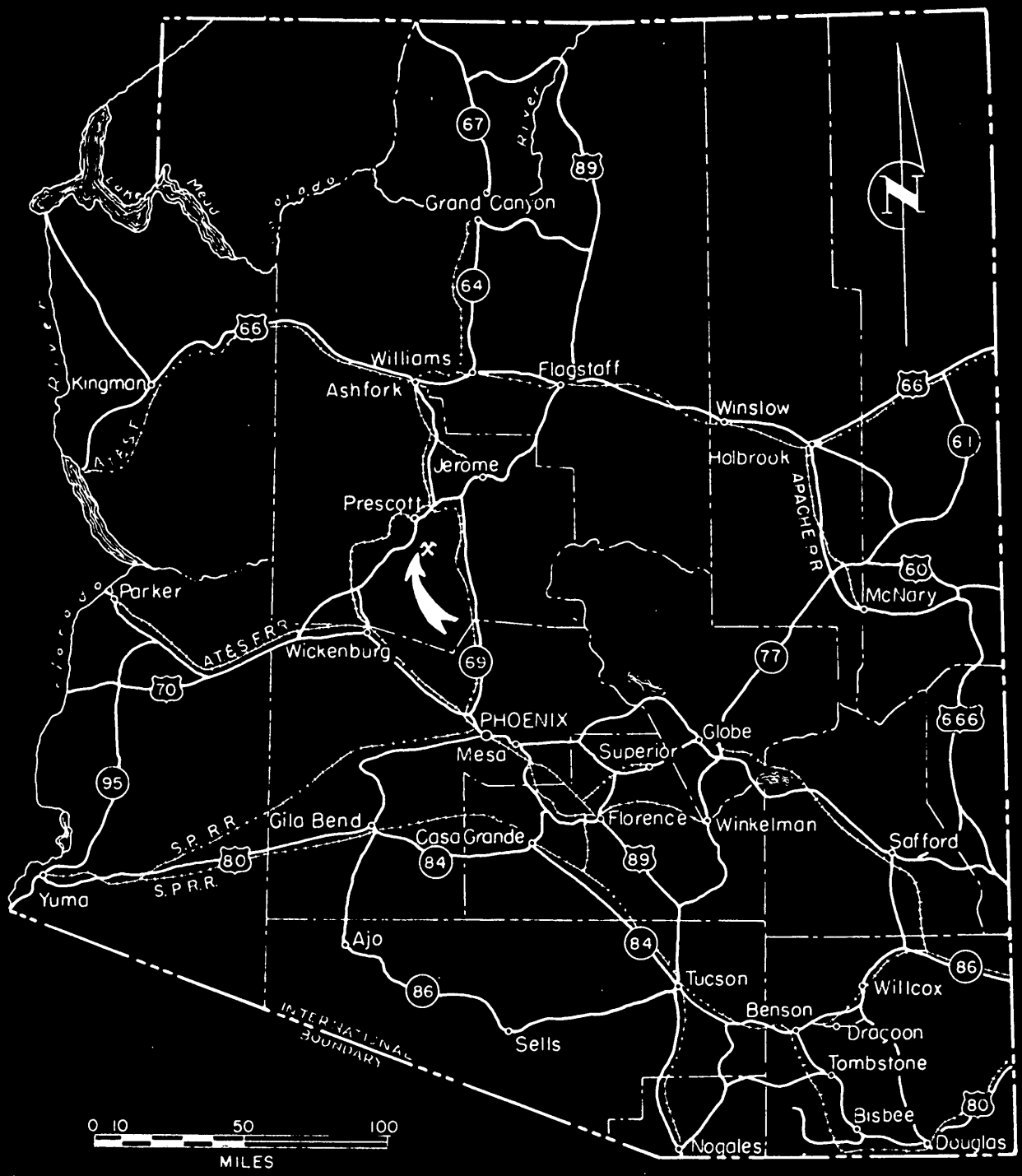
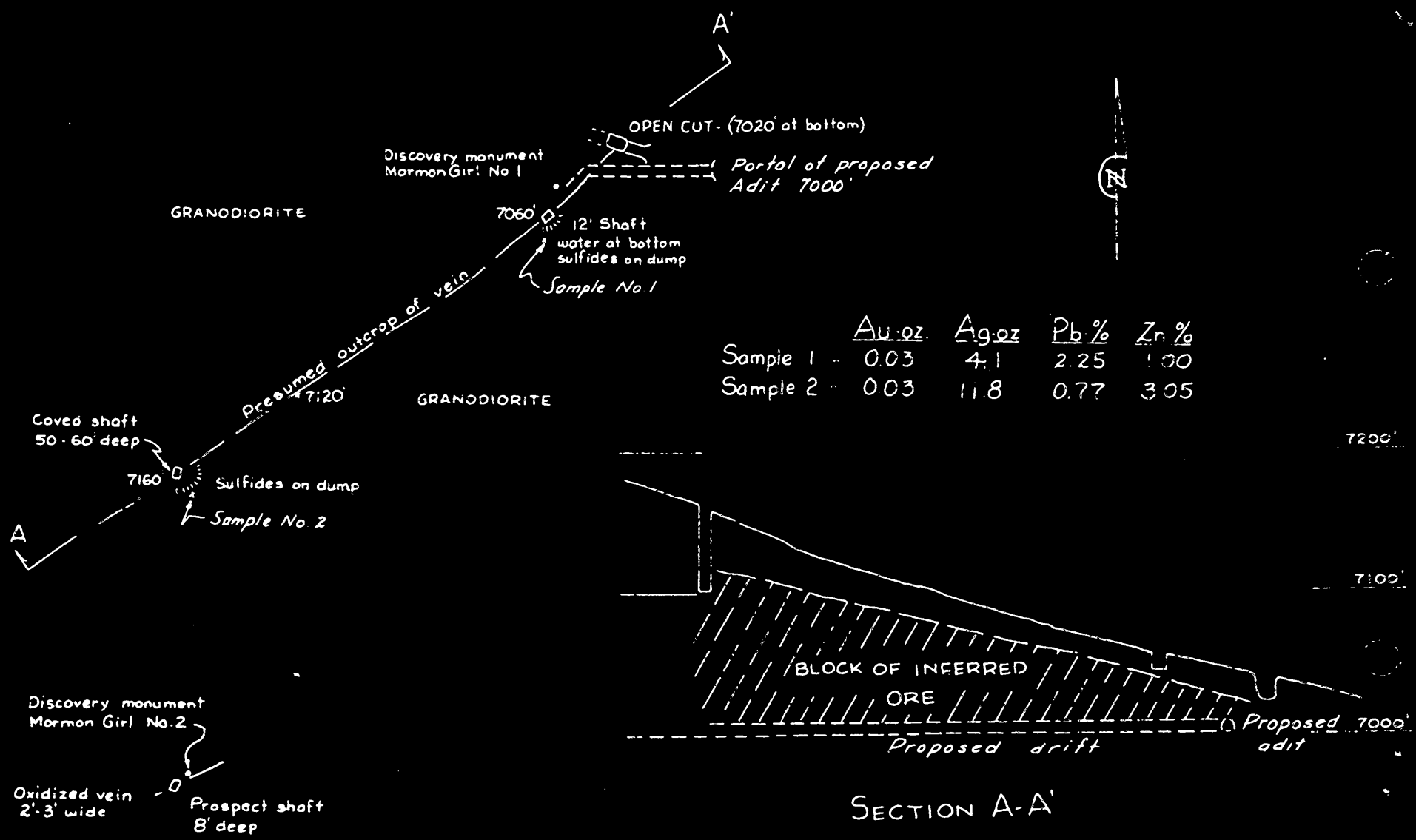


Figure 1. Location map, Mormon Girl Mine, Yavapai County, Arizona.



	Au oz	Ag oz	Pb %	Zn %
Sample 1 -	0.03	4.1	2.25	1.00
Sample 2 -	0.03	11.8	0.77	3.05

Datum elevation assumed

Scale 1" = 100'

C A Anderson
U.S.G.S

D M A. 344
April - 1951

Figure 2 - Sketch map, Mormon Girl property, Yavapai Co Ariz

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. DMA-344

Date received 5-31-51

Mr. Ike W. Kusisto
P. O. Box 938
Prescott,
Arizona

Name and address of applicant

Date May 29-51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Zinc and Lead
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Known as Mormon Girl Mine
   (*a*) Linear feet of shafts. 62
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits. 30
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. About 12 miles southeasterly of Prescott, Ariz.
   (*b*) Mining district. Hassayampa
   (*c*) Township, Section, Range. t.13 r.2W.
   (*d*) County, State. Yavapai County, Arizona
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☒ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production ?

   If not in production or operation, estimated date when production will begin
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		X X X X X			X X X X X	X X X X X

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

Old production reports not available.

10. Production:

No recent production

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or [illegible]eral deposit briefly. Accompany the applicat[illegible] by any available report on the geology and ore reserves.

(b) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(c) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: No recent payroll

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)

By Ike W. Kunisto
(Signature of authorized official)

(Date)

Owner
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 31 1951
LANDON F. STROBEL
Executive Secretary

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-89

U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse
(Department, bureau, or establishment)

Voucher prepared at Denver, Colorado 11/21/51
(Give place and date)

THE UNITED STATES, Dr.,

To Ike W. Kusisto
P. O. Box 938 (Payee)

Address Prescott, Arizona

Payee's Account No. I-DMA-E-20

GENERAL ACCOUNTING OFFICE PREAUDIT

Certified for payment in the sum of $_____

Comptroller General of the United States

By _____

PAID BY

(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	October 1951	Brought forward from continuation sheet(s) Certified "Operator's Monthly Progress Report" for the Mineral Exploration Program attached:				763.06	

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 763.06

(Payee must NOT use this space)

Differences _____

Account verified; correct for 763.06

(Signature or initials) DS

Contract No. I-DMA-E-20 Date 6/25/51 Req. No. _____ Date _____ Invoice Rec'd _____

MEMORANDUM

Approved for payment by:
J. H. East, Jr

NOV 23 1951

Naomi E. Stokes
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Defense Minerals Administration		763.06

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ / Cash, $_____, on _____, 19____, } on Treasurer of the United States in favor of payee named above.

Payee _____
(Sign original only)

Per _____

Title _____

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.

4. Without advertising in accordance with _____

5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

MF-104
(April 1951)

Budget Bureau No. 42-R1036.1.
Approval expires 8-31-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

OK

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts will be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Mormon Girl Mine
(Name of Company)

By Ike W. Kusisto
(Signature of Authorized Official)

October 1, 1951
(Date)

Owner
(Title)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Ike W. Kusisto
Project No. DMA E-20
Total contract amount $ 5,000.00
Government participation percent $ 2,500.00

Distribution of Expenditures for Month of September 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
less withholding tax						
Wages and salaries	559.86	1,464.70	2,024.56	559.86	1464.70	2024.56
Equipment purchase [1]						
Equipment rental [2]	598.00	1,196.00	1,794.00	598.00	1196.00	1794.00
Buildings						
Explosives	125.55	145.30	270.85	125.55	145.30	270.85
Repair parts						
Other supplies	97.49	92.74	190.23	97.49	92.74	190.23
Power						
Transportation						
Withholding taxes	45.39	101.80	147.19	45.39	101.80	147.19
Compensation insurance	29.67	102.53	132.20	29.67	102.53	132.20
Other insurance						
Contract work						
Other (specify) Gas & Oil	70.16	370.80	440.96	70.16	370.80	440.96
Total	1526.12	3,473.87	4,999.99	1526.12	3473.87	4999.99
Totals previously reported	3473.87	1664.24	3473.87	3473.87		
Totals to date	4999.99		4,999.99	4999.99		

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Storms
Amount approved for payment 763.06
Remarks

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

No withholding tax or insurance withheld from owner's wages.

Mining Division
Date Rec'd.
NOV 15 1951
BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

November 13, 1951

Register

Memorandum

To : Paul T. Allsman, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Br., Region IV.
Tucson, Ariz.

Subject : September 1951 Progress Report, DMA Docket 344, Contract I-DMA-820, Ike W. Kusisto's Mormon Girl Lead-Zinc Mine, Yavapai County, Ariz.

Enclosed in quadruplicate are

(1) Form MF-104
(2) Operator's progress report
(3) Bureau of Mines progress report.

Also enclosed are 2 extra copies of the Bureau's progress report.

Kusisto sent in his report in October but as he had made a very noticeable error, his Form MF-104 was returned to him for correction. As he had been sinking a shaft on contract for a company south of Salome, Yuma County, he did not receive my letter until recently.

This progress report has my approval.

No ore discovery was made in this contract although the contract funds have been exhausted. The Geological Survey will visit the property and officially report on the presence or absence of ore.

Walter R. Storms

CC P. T. Allsman (5)
C. A. Anderson
DMA-344
DF

WRStorms:frj

MINING DIVISION
REGION IV

October 3, 1951

Memorandum

WRS

To : Walter R. Storms, Tucson, Arizona

From : W. T. Griswold, Tucson, Arizona

Subject : Sept. 1951 Progress Report on DMA-344, Contract I-DMA-E20, Ike W. Kusisto's Mormon Girl lead-zinc prospect, Yavapai County, Ariz.

Mr. Ike W. Kusisto completed his DMA contract work on Sept. 22 at which time his total allowed expenditures had reached $5,000. When I visited the property on Oct. 1st, work was still in progress with all expenses being paid by Mr. Kusisto.

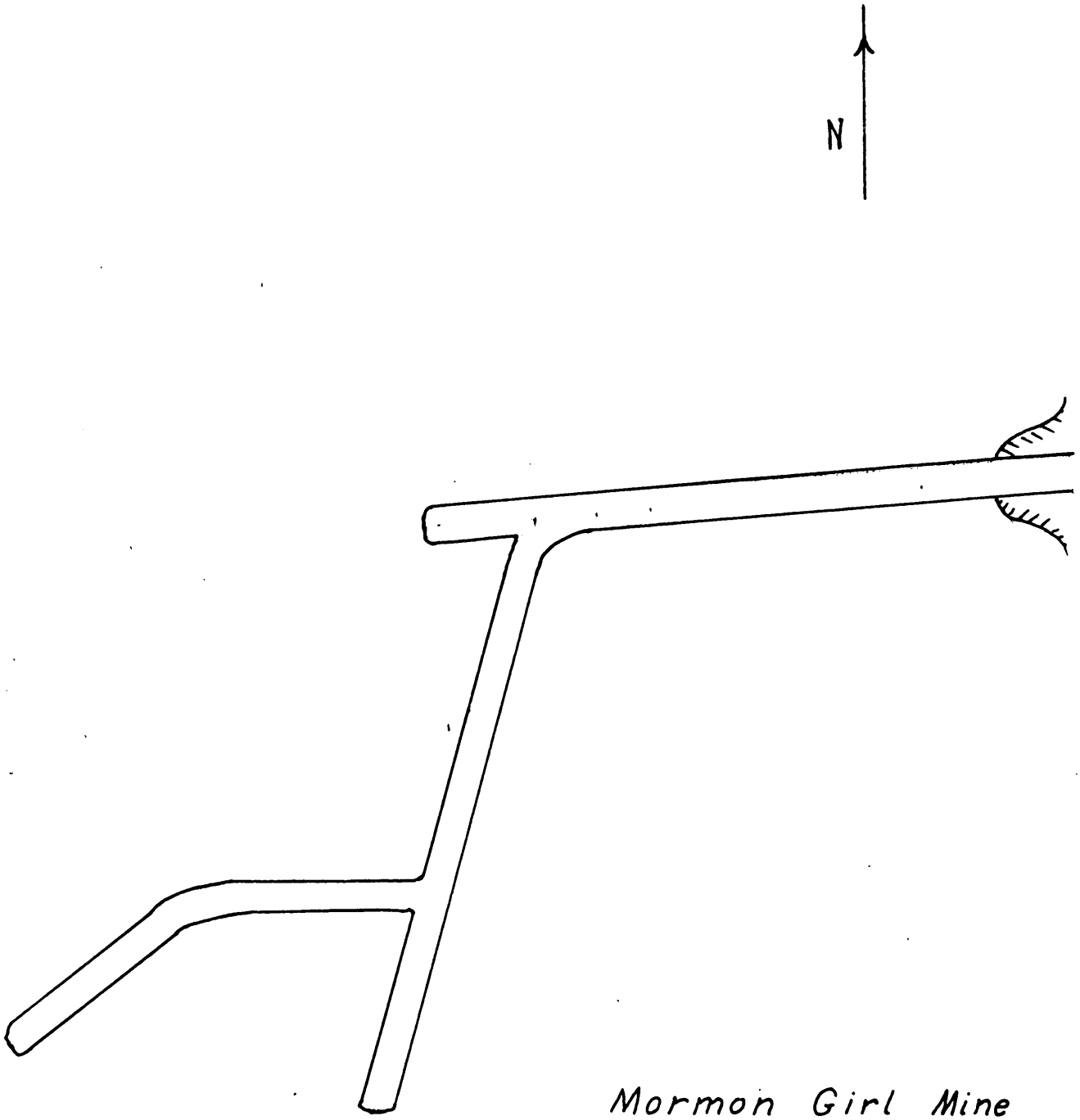
From Sept. 1 to Sept. 22, there was an advance of 50 feet in the west crosscut. The crosscut was driven to intersect the vein at a point below a shallow shaft on the surface. The shaft had been sunk on two feet of gossan and bottomed in sulfides. Mr. Kusisto's crosscut apparently intersected the shaft vein at a point where post mineral faulting had occurred. The vein, however, showed no minable width of ore, and further work by Mr. Kusisto since Sept. 22 has failed to improve the situation. On Oct. 1st the working face, which was about 12 feet beyond the contract completion point, showed a vein width of 4 inches.

W. T. Griswold

W. T. Griswold

CC P. T. Allsman (5)
DMA-344
DF

WTGriswold:frj



Mormon Girl Mine
Yavapai County, Ariz
DMA 341

Scale 1" = 20'

Mormon Girl Mine
D. M. A. No. 344 Oct. 5, 1951
Project No. E20

Narrative Report
For Month of Sept. 1951

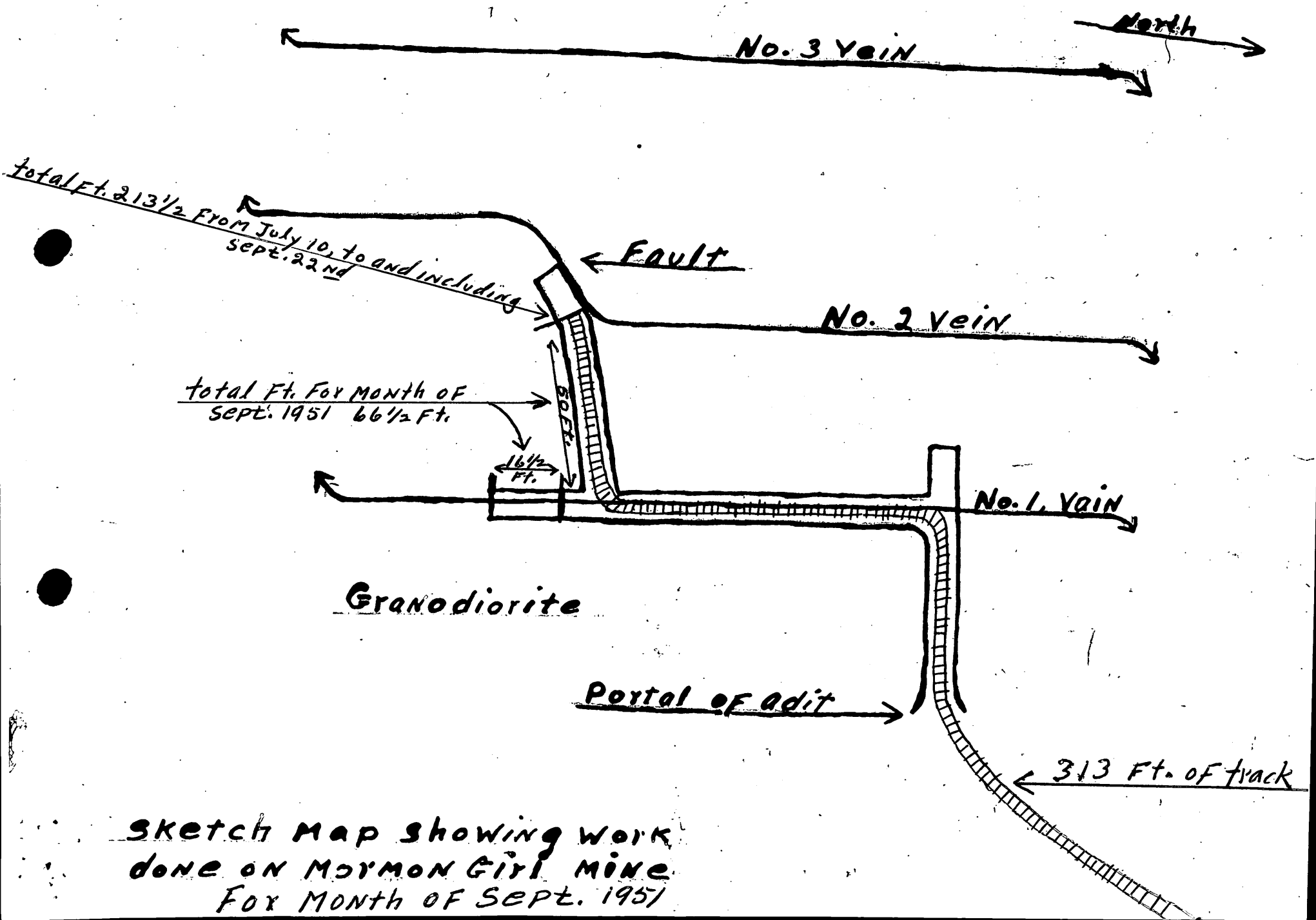
Ike W. Kusisto
P. O. Box 938
Prescott Ariz.

In the Month of Sept. we drifted 16½ Ft. South on No. one vein and drove a Cross Cut 50 Ft. in a westerly direction to Cut No. two vein. We got into what looks like a Horizontal Fault. total Footage to-date up to and including Sept. 22 is 213½ Ft., Sept. 22nd ended the Governments participation percent of the Money. Since Sept. 22 we went ahead on our own.

I'm Now shut down till I Can get More Finance to Continue the Work.

Yours Very truly
Ike W. Kusisto

DMA 344 Project No. E 20



Sketch Map showing work done on Mormon Girl Mine For Month of Sept. 1951

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF Sept. 1951

Name of operator Ike W. Kusisto
Project No. DMA E-20
Total contract amount $ 5000.00
Government participation percent $ 2,500.00

Type	Number	Man-Shifts	Rate	Total
Miners Hard Rock	3	46 & 4½ hrs.	$ 1300	$ 605.25
Muckers		4.46		
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other		4.46		
Total	3	46 & 4½ hrs	13.00	605.25

Note.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Storms
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF Sept. 1951

Name of operator Ike W. Kusisto
Project No. DMA E 20
Total contract amount 5,000.00
Government participation, percent 2,500.00

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Sinking										
Crosscutting	605.25	598.00	322.87				66½ ft.			
Raising										
Shafts			293.20	296.7						
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	605.25	598.00	322.87				66½			

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Storms
Remarks

DMA-52-19

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-26

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse
(Department, bureau, or establishment)

Voucher prepared at Denver, Colorado 9/19/51
(Give place and date)

THE UNITED STATES, Dr.,

To Ike W. Kusisto
P. O. Box 938 (Payee)
Address Prescott, Arizona
Payee's Account No. I-DMA-E-20

PAID BY
(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms net % Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	Month of August 1951	Certified "Operator's Monthly Progress Report" for the Mineral Exploration Program attached:				$ 904.	32

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 904.32

(Payee must NOT use this space)
Differences _____
Account verified; correct for _____
(Signature or initials) _____

Contract No. I-DMA-E-20 Date 6/25/61 Req. No. _____ Date _____ Invoice Rec'd _____

pta
file

MEMORANDUM

Approved for payment by:
J. H. East, Jr.

SEP 10 1951

Alfred K. Olson
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Defense Minerals Administration		$904.32

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ } on Treasurer of the United States in favor of payee named above.
{ Cash, $_____, on _____, 19____, Payee _____ }
(Sign original only)

Per _____
Title _____

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.

4. Without advertising in accordance with _____

5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U.S. GOVERNMENT PRINTING OFFICE: 1946 O-88934 16—22900-1

MF 104
(April 1951)

Budget Bureau No. 42-R1036.1.
Approval expires 8-31-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts will be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Mormon Girl Mine
(Name of Company)

By Ike W. Kusisto
(Signature of Authorized Official)

Owner
(Title)

Sept. 1. 1951
(Date)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Ike W. Kusisto
Project No. DMA E-20
Total contract amount $ 5,000.00
Government participation percent $ 2,500.00

Distribution of Expenditures for Month of August 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Less witholding tax						
Wages and salaries	762.10	702.60	1464.70	762.10	702.60	1464.70
Equipment purchase [1]						
Equipment rental [2]	598.00	598.00	1196.00	598.00	598.00	1196.00
Buildings						
Explosives	102.65	42.65	145.30	102.65	42.65	145.30
Repair parts						
Other supplies	73.69	19.05	92.74	73.69	19.05	92.74
Power						
Transportation						
Withholding taxes	43.90	57.90	101.80	43.90	57.90	101.80
Compensation insurance						
Other insurance	49.01	53.52	102.53	49.01	53.52	102.53
Contract work						
Other (specify) Gas & Oil	179.28	191.52	370.80	179.28	191.52	370.80
Total	1,808.63	1665.24	3473.87	1808.63	1665.24	3473.87
Totals previously reported	1665.24			1665.24		
Totals to date	3,473.87		3,473.87			3473.87

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Storms Pta
Amount approved for payment
Remarks

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

No witholding tax or insurance withheld from owner's wages.

Project No. D.M.A. E 20
Docket No. D.M.A. 344
Mormon Girl Mine

Ike W. Kusisto
P.O. Box 938
Prescott Arizona

Sept. 1, 1951

Dear Sir,

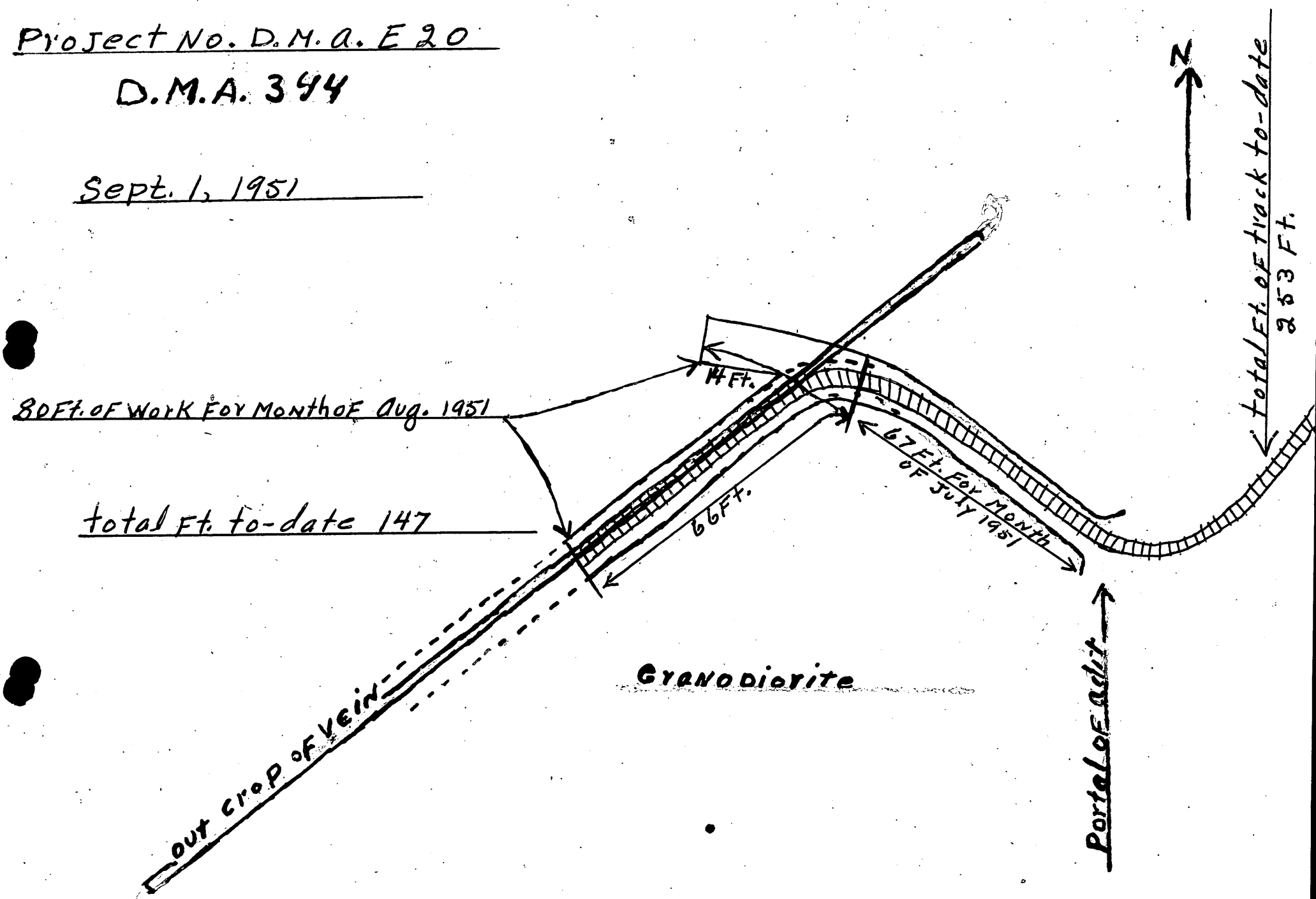
Since the first of August we've gone 80 ft. total ft. to-date 147. we lost a weeks time because of one man going on a prospect of hes own. and the other man had to go home for several days because of hes brothers death. because of the heavy rain we had to work on the road two days. we have the air line to the cross cut, also have a tool room at the end of the cross cut save taking machines and so forth all the way out of the mine. the vein is showing good mineralization. were having some bad drilling at times because of gouge.

Yours very truly
Ike W. Kusisto

Project No. D.M.a. E 20

D.M.A. 344

Sept. 1, 1951



Sketch Map Showing Work done on Mormon Girl Mine for Month of August 1951

Mining Division
Date Rec'd.
SEP 7 1951
BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

September 5, 1951

Air mail

Memorandum

To : Paul T. Allsman, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : DMA Docket 344, Exploration Contract I-DMA-E20, Ike Kusisto's Mormon Girl Mine, Yavapai County, Ariz. - August 1951 Progress.

Enclosed are original and 3 copies of Form MF-104 for August for the above contract; also a short memorandum by William T. Griswold, mining engineer for the Bureau of Mines, who examined the work on September 4.

As Griswold seems to think that Kusisto may not be drifting on the main vein, I will ask C. A. Anderson of the Geological Survey to check the geology, as he lives in Prescott, near the Mormon Girl mine.

Walter R. Storms

CC P. T. Allsman (3)
C. A. Anderson
DMA-344
DF

WRStorms:frj

MINING DIVISION
REGION IV

September 5, 1951

Memorandum

To : W. R. Storms, Chief, Arizona-New Mexico Br., Mining Div., Region IV., Tucson, Ariz.

From : W. T. Griswold, Mining Engineer, Tucson, Arizona

Subject : Progress Report on Contract I-DMA-E20, Ike W. Kusisto's Mormon Girl mine, Yavapai County, Ariz.

On Tuesday, September 4, 1951, I visited the I. W. Kusisto property to check on the results of work done during the month of August.

The crosscut adit has been driven an additional 14 feet to a total of 81 feet. At a point 69 feet from the portal a drift was started to the southwest on a narrow vein that showed some mineralization. By September 4 this drift had been advanced 77 feet. Mr. Kusisto states that he and his men worked both Saturday the 1st and Monday the 3rd of September. On both days they made their round in and round out with an advance of 11 ft. for the two days. This would leave a drift advance of 66 feet for the month of August or a total of 80 feet for both drift and crosscut.

No timbering was necessary but track was extended both on the dump and in the workings. Total track installed to date is approximately 255 feet. An adit line also was installed from the compressor to the drift intersection. This line has 84 feet of 2-inch and 20 feet of $1\frac{1}{4}$-inch pipe. The road to the mine also required considerable repair work following heavy rains.

The vein now showing in the drift face is approximately 5 inches wide and contains some sulfides of lead and zinc. Upon going over the ground with Mr. Kusisto we both were inclined to believe that he was not drifting on the vein which had the most favorable showings. It was my private opinion that the drift was on a small parallel structure to the southeast of the original objective. Mr. Kusisto was in accord with the suggestion that he

CC P. T. Allsman (3)
C. A. Anderson
DMA-344
DF

WTGriswold:frj

should at least make a very careful Brunton survey to check the position of his workings in relation to a shallow shaft that is known to be on the principal vein. The face of his drift is probably at present not more than 30 feet or so from a point vertically below this shaft.

WM. T. GRISWOLD

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF August 1951

Name of operator Ike W. Kusisto
Project No. DMA E20
Total contract amount $ 5,000.00
Government participation percent $ 2,500.00

Type	Number	Man-Shifts	Rate	Total
Miners Hard Rock	3	62	$ 13.00	$ 806.00
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	3	62	13.00	806.00

Note.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Storms
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF August 1951

Name of operator Ike W. Kusisto
Project No. DMA E-20
Total contract amount $5,000.00
Government participation, percent $2,500.00

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting	806.00	598.00	404.63		1,808.63		80ft.			
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Storms
Remarks

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA - 6

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Department of Interior
Defense Minerals Administration
224 New Customhouse, Region IV
(Department, bureau, or establishment)

Voucher prepared at Denver, Colorado 8/7/51
(Give place and date)

THE UNITED STATES, Dr.,

To Ike W. Kusisto
P. O. Box 938 (Payee)
Address Prescott, Arizona
Payee's Account No. DMA Docket 344

PAID BY
(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms net % Discount Cash ____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	Month of July 1951	Brought forward from continuation sheet(s) Certified "Operator's Monthly Progress Report" for the Mineral Exploration Program attached:				832	62
Shipped from ____ to ____ Weight ____ Government B/L No. ____					Total	832	62

(Payee must NOT use this space)
Differences _____
Account verified; correct for 832 62
(Signature or initials) _____

Ike W. Kusisto

Contract No. I-DMA E-20 Date June 25, '51 Req. No. _____ Date _____ Invoice Rec'd 8/7/51

MEMORANDUM

DATE: AUG 7 1951

Naomi E. Stokes
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Defense Minerals Administration		$832.62

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ on Treasurer of the United States in favor of payee named above.
Cash, $_____, on _____, 19____, Payee _____ (Sign original only)

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

Per _____
Title _____

U. S. GOVERNMENT PRINTING OFFICE 16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to ..... dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*) (*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.

4. Without advertising in accordance with .....

5. Without advertising, it being impracticable to secure competition because of .....

.....

.....

.....

.....

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

16—22900-1

MF-10[illegible]
(April 1[illegible])

Budget Bureau No. 42-R1036.1.
Approval expires 8-31-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

STRATEGIC AND CRITICAL MINERAL EXPLORATION PROGRAM
OPERATOR'S MONTHLY PROGRESS REPORT

Operators are to submit monthly reports to the designated field representative of the Defense Minerals Administration. Reports are to be submitted in quadruplicate prior to the 15th day of the month following the reporting period.

Narrative.—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered is to be furnished.

Maps.—Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

Cost Accounts.—All applicable parts of this form are to be filled in. This report will form the basis for payments of the Government's participating share of expenses. Audits of accounts will be made from time to time.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Mormon Girl Mine
(Name of Company)

By Ike W. Kusisto
(Signature of Authorized Official)

Aug. 1, 1951
(Date)

Owner
(Title)

NOTE.—Title 18, U. S. Code (Crimes), section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Ike W. Kusisto
Project No. DMA E-20 Cocker No. D.M.A. 344
Total contract amount $ 5,000.00
Government participation percent $ 2,500.00

Distribution of Expenditures for Month of July 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
less witholdingtax						
Wages and salaries	702.60		702.60	702.60		702.60
Equipment purchase [1]						
Equipment rental [2]	598.00		598.00	598.00		598.00
Buildings						
Explosives	42.65		42.65	42.65		42.65
Repair parts						
Other supplies	19.05		19.05	19.05		19.05
Power						
Transportation						
Withholding taxes	57.90		57.90	57.90		57.90
Compensation insurance	53.52		53.52	53.52		53.52
Other insurance						
Contract work						
Other (specify) Gas & oil	191.52		191.52	191.52		191.52
Total	1665.24		1665.24	1665.24		1665.24
Totals previously reported						
Totals to date	1665.24		1665.24	1665.24		1665.24

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Storms
Amount approved for payment
Remarks

[1] Enter total purchase price in month purchase is made.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.

16—64068-1

No witholding tax or insurance
with held from owner's wages.

Project No. D.M.A. E 20
Docket No. D.M.A. 344
Mormon Girl Mine

Ike W. Kusisto
P. O. Box 938
Prescott Ariz.
Aug. 1, 1951

WRB 8-3-51

Dear Sir,

I started work on July 1st moving and setting up equipment. I started the Cross Cut adit July 10th, on July 31st we have 67 Ft. of Crosscut including 8 set of timber and lagging, and 130 Ft. of track. We fell and peeled Native timber for the mine, used Native oak for lagging.

Yours very truly

Ike W. Kusisto

Project No. D.M.A. E20
Docket No. D.M.A. 344

N

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF July 1951

Name of operator Ike W. Kusisto
Project No. DMA E 20 Docket No. DMA 344
Total contract amount $ 5,000.00
Government participation percent $ 2,500.00

Type	Number	Man-Shifts	Rate	Total
Miners Hardrock	3	58½	$ 13.00	$ 760.50
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	3	58½	13.00	760.50

Note.—Show only that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Storms Pta
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF July 1951

Name of operator Ike W. Kusisto
Project No. DMA E 20 Docket No D.M.A. 344
Total contract amount $ 5,000.00
Government participation, percent $ 2,500.00

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting	760.50	598.00	253.22 255.72	53.52	1665.24		67ft.			
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)			253.22		WRS					
Totals	760.50	598.00	255.72	53.52	1665.24		67ft.			

[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) are more than 25 percent of the total expenditures, a breakdown of this item should be made.

16—64068-1 U. S. GOVERNMENT PRINTING OFFICE

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Storms Pta
Remarks Employers Soc. Sec. of 1½% of 760.50 not included FFS

FILE COPY
SURNAME:

Original

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

N.A. in Ariz.

December 7, 1953

Project Summary Report

By: W. R. Griswold

1. DMA 344 (Lead)
Mormon Girl Mine
Yavapai County, Arizona

Operator: Ike W. Kusisto
P. O. Box 938
Prescott, Arizona

Operator's property rights: Owner of unpatented mining claims Mormon Girl No. 1 and Mormon Girl No. 2.

2. Contract dated: 6/25/51 Completion date: 10/25/51

Work Authorized

250 feet of tunnel @ $20	$ 5,000.00
Government's participation	2,500.00

Work completed

213½ feet of crosscut and drift	$ 4,999.95
Government's participation	2,500.00

Work completed September 1951.

3. Audit certificate issued July 28, 1952.

Comments:

The Mormon Girl claims lie within the Bradshaw granite that is intrusive into the Yavapai schist. Locally the rocks are granodiorite in composition.

From information submitted it appears there had been some small production of lead-zinc ores from old existing workings with some low grade material remaining on the dumps. The general history of the veins in this region is that the sulphide minerals form small and spotty ore shoots.

Since the work done, crosscutting and drifting on the vein, gave only negative results, the property is not likely to be of further interst.

W. R. Griswold

☒ Audited — RK ANALYSIS SHEET - DMEA PRO. — ☒ Actual Cost

☐ Certified — Analysis as of 12/1/54 — ☐ Agreed Unit Costs

Incl. Voucher for 1/10/51.

Name The Mormon Girl. Docket No. DMA-344

State Arizona Commodity Lead-Zinc Idn-E No. 20

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting	250'	$5,000.00	213.5'	$4,999.99	$4,999.99
Raising					
Shafts					
Winzes					
Drilling (Specify)					
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify)					
Totals		$5,000.00		$4,999.99	$4,999.99

Prepared by W. H. Hugenscheid

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

January 20, 1955

Memorandum

To: Chief, Contract Administration & Audit Division

From: Chief, Base Metals Division

Subject: Contracts for which no closing letters will be prepared.

The following is a list of contracts for which no closing letters will be prepared, due to the fact that they are cases which have been either terminated or completed before December 1952. This cut-off date was established in accordance with instructions contained in the Administrator's memorandum to Division Chiefs, dated February 18, 1953.

Docket No.	Contract No.	Operator
1145	E- 11	Dodgeville Mining Company
344	20	Ike W. Kusisto
1118	45	Bootman and Boswell Mining Company
789	71	Erickson and Baer
32	75	Lee S. Meller
1654	85	The Goldfield Consolidated Mines Co.
1425	128	Pittsburg Silver Mining Company
1397	158	American Zinc, Lead & Smelting
1132	166	Albert Dance and Jewell Dance
2108	327	Amadee A. Peugnet
2333	341	Carr Mining Company, Inc.

W. R. Griswold

W. R. Griswold

WRG/er
Copy to: Docket (11)
Base Metals (11)
Chron.

Filed file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

July 31, 1952

Memorandum

To: Jay L. Chambers, Chief
Contract Administration and Audit Division

From: Auditor, Region IV

Subject: Report of Review, Contract No. E-20, Docket No. DMA 344, Ike W. Kusisto, P. O. Box 938, Prescott, Arizona

Attached are three copies of the Report of Review on Contract No. E-20, Docket No. DMA 344, for Ike W. Kusisto, P.O. Box 938, Prescott, Arizona.

T. H. Brading

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
AUG 4 1952

500
FILE COPY
SURNAME:

Moulds

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

April 8, 1952

Memorandum

To: C. O. Mittendorf

From: Base Metals Division

Subject: DMEA 344 - Idm-E20 - Ike Kusisto - Completed Project.

Subject contract consisted of driving a crosscut adit 80' to intersection of lead-zinc vein and driving 170' of drift on the vein. The estimated cost of the project including all labor, supplies, repairs, and utilities was $20 per foot or $5,000 for the project. The work was prosecuted during the period July 1 - September 22, with the Government participation completed as of that date. The Operator actually completed 21$\frac{1}{2}$ feet of drift and crosscut at an average of approximately $23.40 per foot.

Region IV under date of November 13, 1951 reported that no ore discovery was made in this contract although the contract funds had been exhausted.

The USGS will visit the property and officially report on the presence or absence of ore. The Operator has signified his intention of continuing the work at his own expense, but on October 5 stated that he had shut down until additional finance was available. The additional work accomplished to the first of October did not show any better mineralization.

D. E. Moulds (mch)

D. E. Moulds

DEMoulds/hmj
4-8-52
CC to: Adm. Reading File
Docket File Copy
Mr. Moulds

Not stripped in P. & R.

FILE COPY
SURNAME:

Mittendorf
Strobel 6/26

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

June 26, 1951

Mr. Frank McAtee, Jr.
Contract Service Section
General Accounting Office
4th Floor, New GAO Building
Washington 25, D.C.

Re: Docket No. DMA-344
Exploration Project Contract
I-DMA-E20
Ike W. Kusisto
Prescott, Arizona

Dear Mr. McAtee:

Enclosed for recording in your office is the original, signed copy of an Exploration Project Contract executed between the operator named in the above reference and the Government of the United States.

Sincerely yours,

LANDON F. STROBEL
NB

Landon F. Strobel
Executive Secretary

Enclosure-1

COMittendorf/fw

cc to: Admr Reading File
Mr. Strobel
Field Team, Reg. IV (2)
Mr. Herres
Mr. McKnight
Mr. Mittendorf, Mr. Olund
Mr. Moulds
FILES

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

CEM Mittendorf
Strobel 6/26

June 25, 1951

Re: Docket No. DMA 344
Mormon Girl Mine

Mr. Ike W. Kusisto
P. O. Box 938
Prescott, Arizona

Dear Mr. Kusisto:

Herewith your copy of the contract covering the Mormon Girl Mine which has been signed by Mr. James Boyd, on June 22, 1951, which is the effective date of the contract and the beginning of allowable costs as per Mineral Order 5.

A copy of Information Bulletin on the exploration program and four copies of Monthly Progress Report are enclosed, and additional copies are available at the Denver office of DMA Region IV.

Kindly advise the Denver office of DMA immediately, on all pertinent information as to time and location of work, when the project is started under this contract.

Sincerely yours,

Enclosures 6

C. O. Mittendorf

C. O. Mittendorf, Director
Production Expansion Division

DEMoulds/meh
cc: Adm. Reading File
Mr. Strobel
Mr. Moulds
Mr. Mittendorf, Mr. Olund
Mr. Herres
Mr. McKnight
Field (2)
FILES
Chron. File

FILE COPY
SURNAME:

Guthrie

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

June 21, 1951

Memorandum

To: C. O. Mittendorf

From: J. L. Hofflund

Subject: Ike W. Kusisto exploration contract -- Docket No. DMA-344

This office has reviewed the contract in the above-styled case and finds it in satisfactory form for execution. After execution, the effective date should be inserted in the contract.

Your file in this case is returned.

J. L. Hofflund

J. L. Hofflund
General Counsel

Attachments

RRGuthrie/ema

Copy to: L. F. Strobel
R. R. Guthrie
J. L. Hofflund
Chron.
Files

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

June 18, 1951

Mr. Ike W. Kusisto
Post Office Box 938
Prescott, Arizona

Subject: DMA-344
Re: Loan

My dear Mr. Kusisto:

Receipt is acknowledged of your application and attachments for a loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-344 and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch on June 1, 1951.

In any future correspondence relating to your application, kindly refer to DMA-344.

Sincerely yours,

LANDON F. STROBEL
Landon F. Strobel jc
Executive Secretary

L. F. Strobel:jc
cc: Strobel
✓File
Herres
Lyon

DMA 344

FILE COPY
SURNAME:

Mittendorf

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

mailed to

JUN 11 1951

Mr. J. E. East, Jr.
Executive Officer, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket DMA-344
Ike W. Kusisto
P.O. Box 938
Prescott, Arizona

Dear Mr. East:

Enclosed herewith are six copies of an Exploration Project Contract for your review and presenting to Mr. Kusisto for signature.

We suggest, if the contracts are mailed to Mr. Kusisto, that he return the contracts direct to this office in order to expedite signing by Mr. Boyd, Administrator, which determines the effective date of the contract.

Sincerely yours,

C. O. Mittendorf

C. O. Mittendorf, Director
Production Expansion Division

APPROVED:
Jim Lyon

Chairman, Coordinating Committee

Moon
Member, Bureau of Mines

Olaf N. Rove
Member, Geological Survey

Enclosures-6

DEMoulds/fw
cc to: Field Team, Reg.Iv
Admr. Reading File
Mr. Strobel
Mr. Moon
Mr. Herres
Mr. McKnight
Mr. Mittendorf, Mr. Olund
Mr. Moulds
FILES

FILE COPY
SURNAME:

Lyons (E.J.)
McKnight
Mote

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

May 29, 1951

Memorandum

Confidential

To: Director, Production Expansion Division

From: Director, Supply Division

Subject: Recommendation for approval of loan for exploration project submitted by
Ike W. Kusisto
P. O. Box 938
Prescott, Arizona

Attached is the application (DMA-344) submitted by Ike W. Kusisto of Prescott, Arizona for a loan to explore the Mormon Girl Lead-Zinc property in Yavapai County, Arizona. Accompanying the application is the report on the property submitted by the field team of the Defense Minerals Administration.

The original request for a loan of $4,000 has been slightly modified by the field team. The field team recommends that the Government grant a loan of $2,665 to be matched by the applicant with his labor and rental of equipment owned by him. The applicant in the attached letter of May 23 agrees to this arrangement.

All information pertinent to completing the contract is contained in the application and report of the field team.

Tom Lyon

Tom Lyon, Director
Supply Division

EJLyons:emp
G 5/29/51

Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
Tom Lyon

Directors reading file 4214 GSA
Br. reading file 4214 GSA
Files

Air Mail

Dma 344X

P. O. Box 938

Prescott, Arizona

May 23, 1951

Dear Mr Herres;

I received your letter of May 15th, regarding the report for an exploration loan on my Zinc and Lead property known as the Mormon Girl Mine in Yavapai County, Arizona.

Yes I'm willing to participate in an exploration program under conditions and in accordance with the regulations given in exploration program project contract (Form M F-200).

I'm ready to start work at any time, and wish to start work as soon as possible.

Thanking you kindly.

Yours very truly,

Ike W. Kusisto.

Ike W. Kusisto

DEPARTMENT OF ...
Defense ...
REC...
MAY 2 ... 1951
LANDON F. STROBEL
Executive Secretary

P

MAY 2...

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

May 18, 1951

Memorandum

To: Mr. Otto Herres

From: Coordinating Committee

Subject: DMA-334, Mormon Girl Lead-Zinc Property, Yavapai County, Arizona

This report seems to be in good shape and to have the information needed for making an exploration assistance contract. We presume the applicant will be offered such a contract in such amount as he can match through his own labor and rental on his equipment.

Tom Lyon

Chairman

Lowell B. Moon

Member, Bureau of Mines

Olaf N. Rove

Member, Geological Survey

cc: Files
Mr. Lyon
Mr. Strobel
Field Team, Region IV-2

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Lyon
Mitchell
Herres
Mote

May 15, 1951

Re: Docket DMA-344

Mr. Ike W. Kusisto
P. O. Box 958
Prescott, Arizona

Dear Mr. Kusisto:

The report on your property, the Mormon Girl in Yavapai County, Arizona, has been received from the field team.

Review of the report indicates that your proposal must be considered as an exploration project. Government loans for exploration work are granted on a participating basis. For lead, zinc, and copper deposits the applicant is required to furnish one-half of the total cost of the project in the form of cash, his labor at reasonable rates, rental of equipment owned by him, and similar contributions. Detailed information is enclosed.

It is estimated that the work you propose - 80 feet of crosscutting and 120 feet of drifting along the vein - can be completed in three months. Your labor plus rental of the equipment owned by you would amount to $2,665.00 for that period. The Government, therefore, could contribute an equal amount as its share which is paid on a monthly basis in accordance with Section 11 of the Exploration Project Contract (Form MF-200), a copy of which is enclosed for your reference.

Please let us know if you wish to participate in an exploration program under these conditions and in accordance with the regulations given.

Very truly yours,

Otto Herres

Otto Herres, Chief
Lead-Zinc Branch

EJLyons:emp G 5/15/51
Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
Tom Lyon
Enclosures Directors reading file 4214 GSA
Br. reading file 4214 GSA
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

May 7, 1951

Memorandum

To: Landon Strobel, Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: DMA Docket 344, Mormon Girl Lead-Zinc Property, Yavapai County, Arizona

We are forwarding the original and two copies of the report on the above docket.

You will note that the field representatives recommend the application be approved for an exploration project on a slightly different basis than indicated in the application.

We concur with the recommendation.

P. T. Allsman, Alternate

A. H. Koschmann

Attachments
One copy by air mail
Two copies by regular mail

on-site
Exam. RPT

UNITED STATES
DEPARTMENT OF THE INTERIOR

Arizona-New Mexico Branch
[redacted]
Box 4097
UNIVERSITY STATION

BUREAU OF MINES
MINING DIVISION
REGION IV

Mining Division
Date Rec'd.
APR 27 1951

TUCSON, ARIZONA
April 25, 1951

BUREAU OF MINES
Denver, Colorado

Memorandum

To : Paul T. Allsman, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : DMA Docket 344, Mormon Girl Lead-Zinc Property, Yavapai County, Ariz.

Enclosed are original and 11 copies of the final report on the above property. Anderson wrote most of this report some time ago so it is in the old form, as explained in his attached letter of transmittal. I believe he obtained the Field Team's permission to send it in this way when they were in Tucson on March 2.

Brochure is enclosed.

Walter R. Storms.
Walter R. Storms

CC P. T. Allsman
DMA-344
DF

MORMON GIRL LEAD-ZINC PROPERTY
YAVAPAI COUNTY, ARIZONA

DEFENSE MINERALS ADMINISTRATION REPORT
DMA DOCKET 344

APPROVED:

Paul T. Allsman

P. T. Allsman, Alternate

A. H. Koschmann

A. H. Koschmann

United States Department of the Interior
Defense Minerals Administration
James Boyd, Administrator

Mining Division
Region IV

May 6, 1951

Memorandum

To: BMA Field Team, Region IV

From: Chief, Mining Division

Subject: BMA Project No., Mormon Girl Lead-Zinc Property, Yavapai County, Arizona

The report on the above application has been reviewed. It is noted that the services of the applicant, plus rental of equipment, is hardly sufficient to match the $5,000 requested for exploration. However, it should be pointed out that if the 40 feet of crosscutting, plus 100 feet of drifting, can be done for $500 a foot as indicated by the report, a fund of $2500 furnished by the government to match the labor cost of the applicant and rental of equipment, should be ample to complete the 300 feet of exploration indicated.

It is recommended that this application be approved on that basis.

F. T. Allgood

Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P.O.Box 4126, University Station
Tucson, Arizona

April 23, 1951

Memorandum

To: Mr. P. T. Allsman, Denver, Colorado
Mr. A. H. Koschmann, Denver, Colorado

From: Chief, Arizona-New Mexico Br., Mining Div., Region IV
District Supervisor, Arizona-New Mexico

Subject: DMA Docket #344, Mormon Girl Lead-Zinc Property, Yavapai County, Arizona

Enclosed are original and 11 copies of the above report by C. A. Anderson and L. A. Stewart. Please return one copy to Storms and one copy to Anderson.

This report was started as an integrated report before instructions were received to write separate reports on geology and engineering. Final checking in the field was delayed because of snow cover, and did not change earlier written report.

This report recommends that approval be given for a $4,000 exploration loan and that the applicant furnish his labor and use of his equipment as his contribution to match Federal funds.

We approve of this recommendation.

W. R. Storms, Chief, Ariz.-N. Mex. Br., Mining Div., Region IV

Charles A. Anderson
District Supervisor, Ariz.-N.Mex.

MORMON GIRL LEAD-ZINC PROPERTY
YAVAPAI COUNTY, ARIZONA

By C. A. Anderson[1/] and L. A. Stewart[2/]

CONTENTS

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Summary and conclusions	1
Introduction	2
Physical features, climate, and vegetation	3
Location and accessibility	3
Property and ownership	4
History and production	4
Geology	4
Ore reserves	6
Exploration program	7
Equipment available	8
Conclusions	9

ILLUSTRATIONS

Figure No.		To follow page
1.	Location map	3
2.	Sketch map of property	4

1/ Geologist, U. S. Geological Survey, Prescott, Arizona
2/ Mining Engineer, Arizona-New Mexico Branch, Mining Division, Region Iv, U. S. Bureau of Mines, Tucson, Arizona

SUMMARY AND CONCLUSIONS

The applicant has requested a loan of $4,000 to drive a crosscut adit 80 feet long to a lead-zinc quartz vein. In addition, 100 feet or more of drifting along the vein would be done for exploration and to prepare the vein for mining. Inferred ore reserves are approximately 2,000 tons containing 0.03 to 0.05 oz. gold per ton; 1 to 10 oz. of silver per ton; 1 percent copper; 1 to 7 percent lead, 1 to 15 percent zinc. The ore would be sold to the Iron King mill at Humboldt, Arizona.

The applicant owns mine machinery and equipment necessary to do the crosscutting and drifting, and only supplies and labor are needed.

It is recommended that approval be given for a $4,000 exploration loan and that the applicant furnish his labor and use of his equipment as his contribution to match Federal funds.

INTRODUCTION

This report covers information obtained during the course of an examination of the Mormon Girl lead-zinc property, Yavapai County, Arizona. The examination was made in connection with a request by Ike W. Kusisto, Box 938, Prescott, Arizona, for governmental aid under the Defense Production Act of 1950, to start production from a lead-zinc vein on this property.

The application for governmental aid, docketed as DMA-344, states that a loan of $4,000 is requested to drive a crosscut adit about 80 feet to reach the vein. Some drifting along the vein would be necessary for exploration and to prepare the ground for mining. The money would be used for labor and materials, but no breakdown of costs is given. The applicant owns an air compressor, drill machines, etc. The ore would be hauled by truck to the Iron King mill, Humboldt, Arizona.

The applicant offers as collateral for security in payment of the loan, his mining claims, Mormon Girl No. 1 and Mormon Girl No. 2; the applicant's appraised value of these claims is $45,000.

The applicant anticipates that 300 tons per month of ore can be shipped to the Iron King mill, for which he will receive $30 to $35 a ton; payment of the loan would be on the basis of 10 percent of the returns from the Iron King mill. The applicant states that 1,500 tons of ore would be available.

Anderson examined the property on February 8, 1951 and prepared a sketch map of the available workings to show the location of the proposed crosscut adit and drift. Stewart visited the property on April 4, 1951 with Anderson and examined the equipment owned by the applicant.

PHYSICAL FEATURES, CLIMATE, AND VEGETATION

The property is in the Bradshaw Mountains at an elevation of 7,000 feet. The topography is moderately rugged.

At Prescott, the annual temperature shows a range from -21 to 110 degrees and the annual mean temperature is about 53 degrees. Annual precipitation at Prescott averages about 18 inches which includes about 30 inches of snowfall yearly. The Mormon Girl property is approximately 2,000 feet higher than Prescott, and greater snowfall than at Prescott is to be expected.

The vegetation on the Mormon Girl claims is pine-fir forest providing adequate mine timber for a small operation.

Nearby springs would provide ample water for a small mining venture.

LOCATION AND ACCESSIBILITY

The Mormon Girl property is 8½ miles, airline, south-southeast of Prescott, Arizona (fig. 1). The property is accessible from Prescott by traveling 6 miles of pavement southerly to Groom Creek (Senator Highway), and by 6½ miles of graveled road, the last part

following Hassayampa Creek. The last quarter of mile of the road is in a tributary to Hassayampa Creek. Although the road is narrow in places, it is used for trucking ore from neighboring mines. During winter months, Yavapai County keeps the road open with snow plows.

The Iron King mill, where the applicant proposes to sell his ore, is located at Humboldt, Arizona, 18 miles east of Prescott.

PROPERTY AND OWNERSHIP

The Mormon Girl property consists of 2 unpatented lode claims, held by Ike W. Kusisto by annual assessment work, and recorded in the Court House, Prescott, Yavapai County, Book of Mines 156, page 459, and Book of Mines 157, page 316. The area has not been land surveyed, but the claims are 2 miles south of the southeast corner of Section 36, T. 13 N., R. 2 W., Gila and Salt River meridian and base line.

HISTORY AND PRODUCTION

Two exploratory shafts, one caved and the other filled with water, were sunk on the vein to prospect the vein for gold and silver in its oxidized portion. No record of any production is known. The present owner has excavated an open cut 28 feet long across the vein, and an adit 10 feet long extends northwest from the open cut (fig. 2).

GEOLOGY

The Mormon Girl claims are in the Bradshaw granite that is intrusive into Yavapai schist. The rocks on the claims are granodiorite in composition, a common facies of the Bradshaw granite.

The veins in the Mormon Girl claims belong to a system of northeast-striking quartz veins that have been mined intermittently for many years. Early mining in the district was for gold and silver in the oxidized portions of the veins, and mining operations usually stopped when complex sulfide minerals appeared in depth. In recent years some of the complex sulfide-bearing veins have been mined for their copper, lead, and zinc content, using selective flotation for a separation of the sulfide minerals. In special cases, the ore is shipped direct to smelters.

The main vein in the Mormon Girl property is poorly exposed because of heavy soil cover in the forest, and the outcrops show only oxidized quartz vein material. In the open cut, two oxidized quartz veins are exposed, 6 to 12 inches in width. The strike of the veins is northeast and the dip is 80 degrees to the southeast.

Two shafts reached sulfide minerals on the main vein. One of these shafts is 12 feet deep, and partly filled with water, but sulfide minerals are present on the dump. The other shaft, reported to be 50 to 60 feet deep, is caved, and sulfide minerals occur on the dump. These vein fragments on the dumps consist of vuggy quartz carrying coarse pyrite, sphalerite, and some galena. These shafts show that the depth of oxidation is shallow.

ORE RESERVES

The owner of the claims, Ike W. Kusisto, collected samples of sulfide-bearing vein material from both dumps on the property and submitted the composite sample to the Iron King mill at Humboldt, Arizona, for mill test and assay. The results, dated December 1, 1948, and based on metal prices of that date were as follows:

Gold	.05 oz.	90%	$1.21
Silver	1.4 oz.	90%	1.07
Copper	0.7 percent	65%	.90
Lead	7.2 "	85%	16.83
Zinc	15.4 "	60%	15.25
Total			$35.26
Less milling charge			3.50
		Net	$31.76

Selected samples of sulfide-bearing vein material were taken by Anderson and Stewart from the two dumps on the property. The following assay results are not to be considered as the value of the vein because of the small amount of sulfide-bearing vein fragments remaining on the dumps, but they do indicate roughly the proportions of the metals that are present in the vein.

	Gold oz.	Silver oz.	Cu %	Pb %	Zn %
No. 1 Dump of 12-foot shaft	0.03	4.1		2.25	1.00
No. 2 " " 50-foot "	0.03	11.8	± 2*	0.77	3.05

*Estimated by analyst - Jacobs Assay Office, Tucson, Arizona.

The general history of the veins in this region is that the sulfide minerals form spotty ore shoots of limited extent. Some of the ore shoots are rich enough to encourage small-scale operations since the Iron King mill started to purchase custom ore, and neighboring veins to the Mormon Girl property have supplied milling ore within recent years.

All that can be stated with certainty is that galena and sphalerite have been found in two places on a vein that is 1 foot wide in the open cut. Reserves would be inferred, and assuming a thickness of 1 foot, length of 370 feet, and a height of 110 feet at the southwestern shaft, thevein contains approximately 2,000 tons above the proposed adit level. The grade of this block is open to question, and probably would be erratic. Combined lead-zinc probably ranges from 4 to 20 percent. By analogy with similar veins in the district, the vein probably widens locally to greater dimensions than the 1-foot width observed, and higher grade ore would be present in the wider vein.

EXPLORATION PROGRAM

It is proposed to drive an 80-foot crosscut that will intersect the vein at a depth of approximately 40 feet below the surface, then drift southwest along the vein. This work will explore the vein, and any ore found can immediately be stoped from a progressively rising "back".

It is thought that, except at the portal, very little timbering will be required. Applicant proposes hiring 2 men to assist him.

Assuming an overall cost of $20 per foot and an advance of 3 feet per shift (including any necessary timbering), this project should explore about 120 feet of vein within 3 months. This is calculated as follows:

Assumptions $4,000 cash by loan; $20 cost per foot advance

3 ft. advance per shift; 22 shifts per month
4,000 ÷ 20 = 200 ft. of drifting, including 80 feet of crosscut.
200 ÷ 3 = 67 shifts worked
67 ÷ 22 = 3 months for completion.

EQUIPMENT AVAILABLE

Mr. Kusisto owns virtually all the equipment necessary to carry on this project. Except for a few minor items in use elsewhere, the following stored equipment was seen by the Bureau engineer in Prescott and Congress:

1 International truck, 1938, 3/4-ton, 4-speed transmission
1 Ingersoll-Rand 2-stage compressor, portable, steel wheels, 260 cfm, 1923, driven by Wakashaw gas engine, type EU 2093, 5 x 6¼
1 Drifter, medium size, Cochise 1¼-in. chuck 675
1 Drifter, heavy size, Sullivan 1¼-in. chuck 730
2 each, drill column, cross arm, saddle clamp
1 Jack hammer, Gardner-Denver
1 Water pressure tank
1 Air receiver, 100 cu. ft.
500 lbs. drill steel, 1-in. and 1¼-in., shanked and threaded
50 ft. air hose, 3-in.
100 ft. air hose, 3/4-in.
160 ft. pipe, 3/4-in., 1-in., and 1½-in.
2 mine cars
2 timber dollies
300 ft. mine rail, 8 lb.
2 pipe threaders, dies ½-in. to 4-in.
2 timber saws
1 hand tool grinder
6 boxes miscellaneous pipe fittings, air and water
Picks, shovels, and small tools.

Except for a few lengths of mine rail that can be secured from old mines in the vicinity, and a supply of detachable bits, Kusisto appears to have sufficient equipment to prosecute his proposed program.

On a basis of 3 months work, the matching contribution of applicant's work and an equitable rental price for the use of his equipment is calculated as follows:

Rental of equipment, based on average rental of similar industrial equipment:

	Rental Per month		Rental For 3 months	
Truck, 3/4-ton	$90		$270	2000
Compressor, 210 cfm	250		750	1800
Mounted drifter, medium	69		207	675
Mounted drifter, heavy	73		219	720
Drill steel, 3 sets (3 each) 1¼-in..	9	supply	27	
Jackhammer	40		120	330
Drill steel, 3 sets (3 each) 1-in...	6	supply	18	
Air hose, 100 ft. 3/4-in.....	14	supply	42	
Air receiver, 100 cfm	10		30	378
Pressure tank	5		15	15
Mine car	7		21	105
Mine rail, pipe, and small tools ...	25	supply	75	
Personal services at miner's wages, $13 per day x 67			871	
Total			$2,665	

CONCLUSIONS

The only satisfactory method of exploring the veins in this area is by drifting along them, and any ore discovered can be mined easily. By analogy with other veins in this district, there is a fair possibility that the applicant may be able to mine 1,500 to 2,000 tons of ore that can be sold to the Iron King mill.

No ore has been developed and this application can be considered only as an exploratory loan. Except for a couple of minor items, the

applicant owns sufficient equipment to conduct the proposed explorations. He will do the work with the help of 2 laborers.

The request is for a very modest sum that may very well be repaid by production from the vein. Although the participation would be on a ratio of 60 percent Government-40 percent applicant, we recommend that approval be given for a $4,000 exploration loan and that the applicant be requested only to furnish his labor and use of his equipment as his contribution to match Federal funds.

Competence of Applicant:

The applicant has been leasing small mines in the Prescott area for the past several years. He is a "practical" miner in the usual meaning of the word. From all reports, he is a hard working, sober individual. For the scale of operations proposed at the Mormon Girl property, the applicant is competent so far as can be judged.

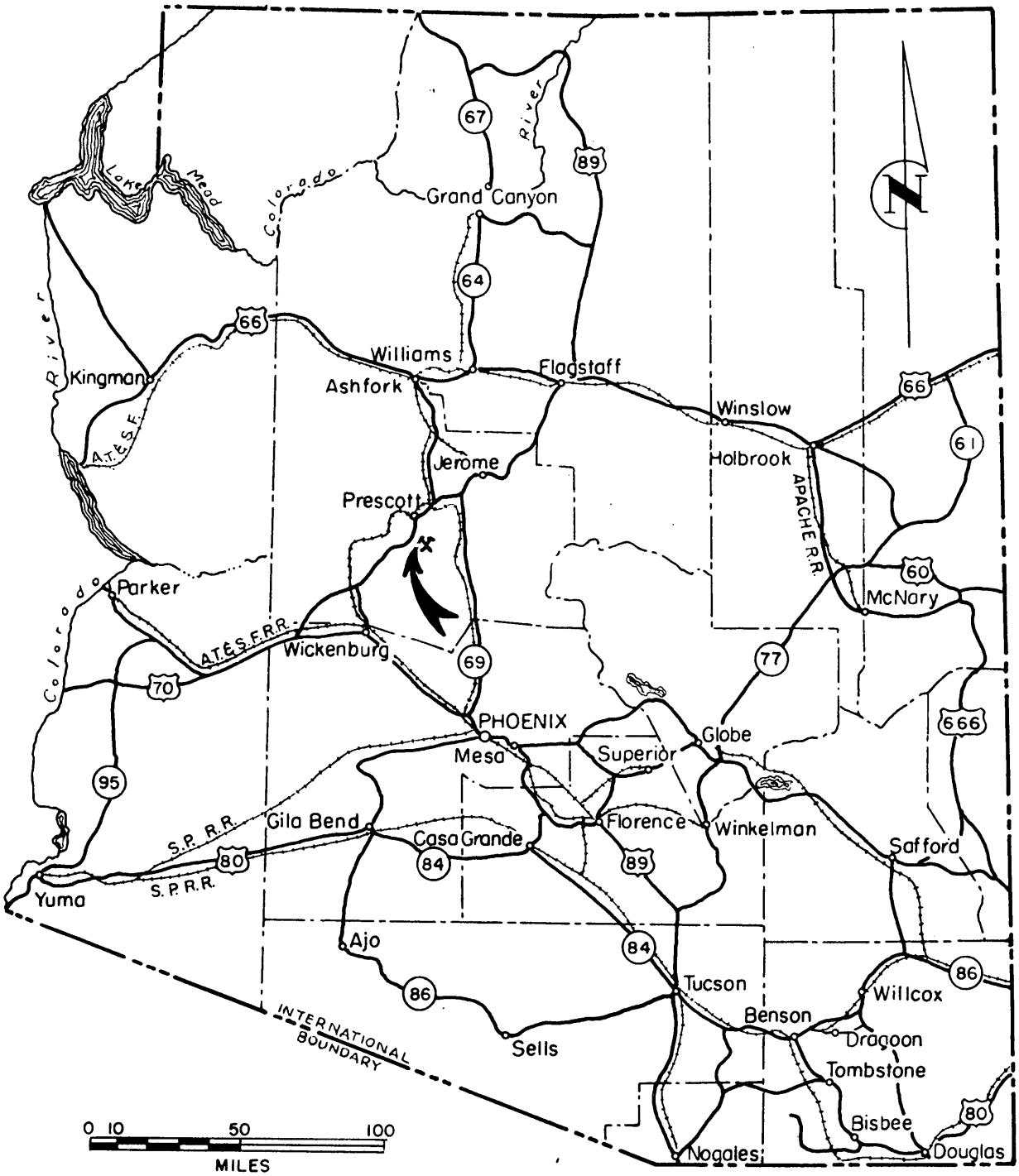

Figure 1. Location map, Mormon Girl Mine, Yavapai County, Arizona.

January 17, 1951

Memorandum

To: Executive Officer Field Team, Region IV

From: Lead-Zinc Division, RMA - Otto Herres

Subject: Docket RMA-344
Thos. E. Rualato
Box 938
Prescott, Arizona

The application, requesting funds through the Defense Minerals Act of 1950, as presented by Mr. E. Rualato, has been reviewed by the Lead-Zinc Division, RMA.

The applicant requests $4,000 for materials and labor to drive a short crosscut and drift on a mining claim designated as the Vernon Girl. The application states there are 1500 tons of ore, containing 32% combined zinc-lead. The documents do not include a map of the property or a map of the mine workings, therefore, it is not known where the mine is located geographically and where the reserves are in relation to the mine openings.

The Lead-Zinc Division therefore recommends: that the documents pertaining to this application be referred to the field for examination and verification of the reserve estimates.

The committee's review of the papers indicates that the suitability of the project in the development program will depend first of all upon a geological examination to substantiate the reserve estimates made by the applicant.

J. H. Hedges, Acting
OTTO HERRES

Otto Herres, Chief
Lead-Zinc Division, RMA

ALBrokaw:jeh
G-1/17/51

Approved:
RMA Operating Committee

F. F. Williston, Chairman

J. H. Hedges, Acting

J. H. Hedges

Olaf H. Hess

copy to: Chief, Lead-Zinc Division
Geological Survey - Mannight
C. A. Merrill
C. N. Williston
J. H. Hedges
R. E. Note
2 copies to Executive Officer,
Regional Field Team, Region IV
Base Metals Files
Files