DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4980

Application
- [x] Denied
- [ ] Withdrawn

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

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

Folder No. 1:

Left Side

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

Right Side

- [ ] Project summary (final)
- [ ] Work Comoleted analysis (final)

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

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

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

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

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

DMEA
RECEIVED APR 14 1958
CODE

April 11, 1958

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: New Application (Lead-Silver)
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application form with one copy each of assays, maps and additional information for DMEA aid to explore for lead-silver ore in Blaine County, Idaho. Thermofax copies of the assays, additional information, and reproducible maps were made for our files.

The application is poorly prepared but apparently the applicant proposes to explore by deepening a winze 100 feet, drifting 50 feet from the winze and 100 feet from an adit at an estimated cost of $11,000.

Our field men are now in central Idaho and we will attempt to examine this property and secure the necessary cost data from the applicant.

Sincerely yours,

AE Weissenborn by DRK
A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I

Enclosures

cc: USBM (2)
Geologist

A. W. Lindeman

Hilary Idaho

Horst Tower of

Shaft #1

RECEIVED
APR 14 1958
D.M.E.A.

E968

Form MF–103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42–R1035.3
Approval expires June 30, 1958

DMEA
APR 14 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

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

Alonzo W. Linderman
P.O. Box 353
Hailey Idaho

RECEIVED
APR 9 1958
U. S. G. S.
SPOKANE, WASH.

APPLICANT NOT TO USE THIS BLOCK

Docket Number	DMEA-4980
Date Received	4-14-58
Government Participation %	
Region	I
Division Code	500

BUSINESS ORGANIZATION (Check one)

- Individual [X]
- Corporation [ ]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title

Mineral(s) for which you wish to explore: Lead and Silver

Estimated Cost of Project: $ 11,000.00

LOCATION OF PROPERTY

Name	County	State
Ohio	Blaine	Idaho

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order–I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

4/10/58
Dated

Alonzo Linderman
BY (Signature)

Owner
Title

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

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

(b) State your interest, if any, in operations stated in 2*(a)*.

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

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

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

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

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

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

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

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

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

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

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

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

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

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

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

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

Note – No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. *(a)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 16539

Form C. O. 77 7-13-29 20M

#1 (1)

UNITED STATES SMELTING, REFINING & MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

810-A

Salt Lake City, Utah, August 1, 1929

Pay M. V. Linderman

Ore _____ Lot No. 1 Class _____

Sampled by _____ Received 7/25 Sampled 7/26 Assayed 7/27

Metal Quotations—Silver .5275 Copper, N. Y. _____ Lead, N. Y. 6.75 Zinc _____

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
Umpire										
Settlement Assay	.05	74.4		40.4	34.8	3.1		1.8	.3	

CAR NOS.	WET WEIGHT
Total Wet Weight	3670
Sacks 45	50
Net Weight	3620
Less H^2O 0.6 %	22

METAL VALUE		
Gold		95
Silver	37	28
Copper		
Lead	37	09
Zinc		
Gross Value	75	32
Less Working Charge	4	57

WORKING CHARGE		
Treatment	1	46
Insoluble	3	48
Zinc		
Sulphur		
Speiss		
Total Debit		
Iron	4	94
		37
Net Working Charge	4	57

Dry Weight, lbs. 3598

A charge of Five Dollars made for sampling on all lots of ore containing less than ten tons, dry weight. Rates subject to change without notice when not under contract or for specified tonnage.

Payment for 1.799 tons @	70 75	per ton		127 28
Freight advanced @ 6.50 per ton			11.93	
Assay Charges				
Sampling Charges				
[illegible]			3.00	
[illegible]			.50	
[illegible]			15.00	30 43
Net Payment				

Form C. O. 77 7-13-29 20M

#2 (2)

UNITED STATES SMELTING, REFINING & MINING COMPANY
[illegible] NEWHOUSE BUILDING

810-A

Salt Lake City, Utah, October 2, 1929

Pay M. V. Linderman - [illegible] Idaho

Ore _____ Lot No. 2 Class _____

Sampled by _____ Received 9/28 Sampled 9/29 Assayed 9/30

Metal Quotations—Silver .50 Copper, N. Y. _____ Lead, N. Y. 6.90 Zinc _____

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay	.035	59.0		[illegible]	50.3	2.7		2.2		

CAR NOS.	WET WEIGHT
[illegible]	
Total Wet Weight	1930
Sacks 21	22
Net Weight	1908
Less H^2O 0.5 %	10

METAL VALUE		
Gold		67
Silver	28	03
Copper		
Lead	30	33
Zinc		
Gross Value	59	03
Less Working Charge	7	26

WORKING CHARGE		
Treatment	2	29
Insoluble	5	08
Zinc		
Sulphur		05
Speiss		
Total Debit	7	42
Iron		16
Net Working Charge	7	26

Dry Weight, lbs. 1898

A charge of Five Dollars made for sampling on all lots of ore containing less than ten tons, dry weight. Rates subject to change without notice when not under contract or for specified tonnage.

Payment for .949 tons @	51 77	per ton		49 13
Freight advanced @ 5.20 per ton			5.02	
Assay Charges Handling			5.00	
Sampling Charges				
Frt. on box ret.				8 52
Net Payment				

RECEIVED APR. 14 1958 M.E.A.

Checked by

Approved by

Form C.O. 77 6-15-35 10M

(3)

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

PROVISIONAL SETTLEMENT
2350-A

Salt Lake City, Utah, August 10, 1935

Pay A. W. Linderman, Hailey, Idaho SP. Hailey, Idaho

Ore Crude Lot No. 1 Class

Sampled by Received 8/4 Sampled 8/6 Assayed 8/7

Metal Quotations—Silver .6775 Gold 34.9125 Copper, N. Y. Lead, N. Y. 4.15 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay	.065	61.0		41.5	35.6	4.6	.4			

CAR NOS.	WET WEIGHT
L.C.L.	
U.P.12903	
O.S.L.	
Total Wet Weight	1894
Sacks 21	24
Net Weight	1870
Less H^2O 1.0 %	18

METAL VALUE		
Gold 100% @31.8183	2	07
Silver 100% @ .6775	41	33
Copper		
Lead	19	61
Zinc		
Total Metal Value	63	01
Less 5 % of value of silver	2	07
Gross Value	60	94
Less Working Charge	5	18

WORKING CHARGE		
Treatment	1	85
Insoluble	3	56
Zinc		
Sulphur		
Speiss		
Total Debit	5	41
Iron		28
Net Working Charge	5	13

Dry Weight, lbs. 1852 Payment for .926 tons @ 55 81 per ton 51.68

Freight advanced @ 5.85 per ton 5.54

~~xxxxxxx Assay Charges~~ Surtax 10% .55

Sampling Charges

Assay charges) Handling 7.50

Sax ret. .55 14 14

Checked by

Approved by Net Payment 37 54

Form C.O. 77 6-15-35 10M

Defendants 3

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

FINAL SETTLEMENT
2350-A

Salt Lake City, Utah, August 14, 1935

Pay A. W. Linderman, Bailey, Idaho Sr Bailey, Idaho

Ore Crude Lot No. 1 Class

Sampled by Received 8/4 Sampled 8/6 Assayed 8/7

Metal Quotations—Silver .77 Gold 34.9125 Copper, N. Y. Lead, N. Y. 4.15 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay	.065	61.0		41.5	35.6	4.6	.4			

CAR NOS.	WET WEIGHT
L.C.L.	
U.P. 12903	
C.S.L	
Total Wet Weight	1894
Sacks 21	24
Net Weight	1870
Less H^2O 1.0 %	18

METAL VALUE		
Gold 100% @31.8183	2	07
Silver 100% @ .77	46	97
Copper		
Lead	19	61
Zinc		
Total Metal Value	68	65
Less 5 % of value of silver	2	35
Gross Value	66	30
Less Working Charge	5	13

WORKING CHARGE		
Treatment	1	85
Insoluble	3	56
Zinc		
Sulphur		
Speiss		
Total Debit	5	41
Iron		28
Net Working Charge	5	13

Dry Weight, lbs. 1852 Payment for .926 tons @ 61 17 per ton 56.64

Freight advanced @ 5.85 per ton	5.54		
Assay Charges ~~xxxxxx~~ Surtax 10%	.55		
Sampling Charges			
Assay charges Handling	7.50		
Sax ret.	.55	14	14
		52	50
Former Pay:		37	54
Checked by			
Approved by Net Payment		4	96

Form C.O. 77 10M 6-10-36

4

(5)

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Provisional Settlement
3125-a

Salt Lake City, Utah, August 12, 1956

Pay MRS. M. V. LINDERMAN, HAILEY, IDAHO SP: Hailey, Idaho

Ore Crude Lot No. 2 Class

Sampled by Received 8/6 Sampled 8/6 Assayed 8/7

Metal Quotations—Gold 34.9125 Silver .4475 Copper, N. Y. Lead, N. Y. 4.60 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay	.075	42.5	.2	34.8	41.2	6.5	.3	.8		

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
L.C.L.		Gold 100% @$1.9125	2	59	Treatment Base 30% Lead	3	00
		Silver 100% @ .4475	18	95	Credit Acc't Over 30% Pb.		48
		Copper			Debit Acc't Under 30% Pb.		
		Lead	19	36	Insoluble	4	12
		Zinc			Zinc Charge, excess over 6%		
		Total Metal Value	40	55	Sulphur Charge, excess over 2%		
		Less 5 % of value of silver		95			
Total Wet Weight	1515						
Sacks 17	16				Total Debit	5	64
Net Weight	1499	Gross Value	39	55	Iron Credit		30
Less H^2O 1.5 %	23	Less Working Charge	5	25	Net Working Charge	5	25

Dry Weight, lbs. 1476 Payment for .738 tons @ 34.38 per ton 25.37

Freight advanced @ $4.53 per ton	5.45	
Surtax 10%	.55	
Handling Charge Acct Less Than 10 Tons	7.50	
~~[illegible]~~ Sacks returned	.30	11.69
Sampling Charges		
Hauling Charges:		

Checked by

Approved by Net Payment 13.68

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Provisional Settlement

2125-9

Salt Lake City, Utah, August 12, 1936

Pay MRS. R. F. LINDEMAN, HAILEY, IDAHO   C/o Hailey, Idaho

Ore Crudy   Lot No. 3   Class

Sampled at   Received 8/5   Sampled 8/6   Assayed 8/7

Metal Quotations—Gold $34.9125 Silver .4475 Copper N.Y.   Lead N.Y.   Zinc

Assays	Gold oz. per ton	Silver oz. per ton	Copper per cent	Lead per cent	Insoluble per cent	Iron per cent	Zinc per cent	Sulphur per cent	Lime per cent	Per cent
Settlement Assays	.075	16.3	.2	8.25	41.4	6.5	.2	.6		

Wet Weight		Metal Values			Working Charge		
		Gold 100% @ $1.0183	2	00	Base Smelting Charge	8	00
		Silver 100% @ .4475	13	55	Credit Lead Over 30% Pb.		43
		Copper			Debit Acct Lead 30% Pb.		
		Lead	18	38	Insoluble	4	12
		Zinc			Zinc Charge, excess over 5%		
		Total Metal Value	40	25	Sulphur Charge, excess over 2%		
		Less % of value of silver					
	1815						
	16				Total Debit	3	64
	1799	Gross Value	38	25	Less Credit		96
1.5 %	25	Less Working Charge	2	50	Net Working Charge	2	50

Dry Tons .8996   Freight   Per ton $34.28   per ton $30.38

Net value per ton $27.75

Surtax 10%   2.75

Hauling, Crushing from 10 Tons   .22

Lime and Sacks returned   1.25   17.04

68.51

Form C.O. 77 10M 6-10-36

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Final Settlement
3125-a

(5)

Salt Lake City, Utah, August 17, 1936

Pay MRS. M. V. LINDERMAN, HAILEY IDAHO

SP: Hailey, Idaho

Ore Crude Lot No. 2 Class

Sampled by Received 8/6 Sampled 8/6 Assayed 8/7

Metal Quotations—Gold 34.9125 Silver .77 Copper, N. Y. Lead, N. Y. 4.60 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay	.075	42.5	.2	34.5	41.2	6.5	.5	.5		

CAR NOS.	WET WEIGHT
L.C.L.	
Total Wet Weight	1515
Sacks 17	16
Net Weight	1499
Less H^2O 1.5 %	23

METAL VALUE		
Gold 100% @ $1.5125	2	50
Silver 100% @ .77	32	37
Copper		
Lead	19	26
Zinc		
Total Metal Value	54	33
Less 5 % of value of silver	1	65
Gross Value	52	68
Less Working Charge	5	25

WORKING CHARGE		
Treatment Base 30% Lead	2	00
Credit Acc't Over 30% Pb.		40
Debit Acc't Under 30% Pb.		
Insoluble	4	12
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Total Debit	5	64
Iron Credit		39
Net Working Charge	5	25

Dry Weight, lbs. 1476 Payment for .738 tons @ 47 54 per ton 34.94

Freight advanced @ $4.55 per ton	3.45	
Sartex 10%	.35	
Handling Charge Acct Less Than 10 Tons	7.50	
~~Assay Charges~~ Sacks Returned	.59	11.89
Sampling Charges		
Hauling Charges:		
		23.05
Former Pay:		15.68
Net Payment		7.37

Checked by

Approved by

UNITED STATES SMELTING REFINING AND MINING COMPANY

MIXED STOCK MONTHOPE SMELTING

FORM C.O. 77-1 ®

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Lot # 1 (6)

[illegible] 953-A — Salt Lake City, Utah, [illegible] 15, 1946

Purchased From A. F. [illegible]

Pay A. W. [illegible], P.O. Box 353, HAILEY, IDAHO

[illegible] HAILEY, IDAHO

Ore [illegible] - [illegible]A Lot No. 1 Gold License No.

Sampled by [illegible] Received 11/1/46 Sampled 11/7/46 Assayed 11/[illegible]/46

Metal Quotations—Gold — Silver 90.125 Copper, N. Y. — Lead, N. Y. [illegible].25 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.										
Umpire										
Settlement Assay	.0175	112.3	.15	*70.6	3.8	2.6	.5	11.0	.10	

CAR NOS.	WET WEIGHT
[illegible]	
*Assay shown for lead is wet assay less 1.5%.	
See Lot No. 2	
Total Wet Weight	482
Sacks 5	5
Net Weight	477
Less H_2O 1.0 %	5

METAL VALUE		
Gold 100% @ —		
Silver 100% Less 3½ oz. 90.125	100	76
Copper		
Lead	34	18
Zinc		
Total Metal Value	134	94
Less 5 % of value of silver	5	04
Gross Value	129	90
Less Working Charge	2	31

WORKING CHARGE		
Treatment Base 30% Lead	5	00
Credit Acc't Over 30% Pb.	1	06
Debit Acc't Under 30% Pb.		
Insoluble		[illegible]
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%	2	25
Arsenic Charge, excess over 2%		
Total Debit	2	47
Iron Credit		16
Net Working Charge	2	31

Dry Weight, lbs. 472 Payment for .236 tons @ 177 59 per ton 41.91

Freight advanced @ [illegible].9 per ton	2.19	
Federal Tax 3%	.07	
Handling Charge Acct. Less Than 10 Tons	5.00	
Assay Charges		
Sampling Charges		
Hauling Charges:		
Sax returned via P. Post to Hailey, Idaho	.36	7 02

Checked by — Amount Withheld Pending Receipt of Silver Affidavit

Approved by — Net Payment 34 29

FORM C.O. 77-1 ®

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

FINAL SETTLEMENT 5553-A

Salt Lake City, Utah, NOVEMBER 15, 1946 (7)

Purchased From A. E. LINDERMAN

Pay A. E. LINDERMAN, P.O. BOX 353, HAILEY, IDAHO

SP: HAILEY, IDAHO

Ore CRUDE - OHIO Lot No. 2 Gold License No.

Sampled by MIDVALE Received 11/1/46 Sampled 11/7/46 Assayed 11/8/46

Metal Quotations—Gold 34.9125 Silver 90.125 Copper, N. Y. — Lead, N. Y. 8.25 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.										
Umpire										
Settlement Assay	.04	38.3	.08	*22.85	50.6	5.6	5.1	.3	.6	

CAR NOS.	WET WEIGHT
L.C.L.	
*Assay shown for lead is wet assay less 1.5%.	
See Lot No. 1.	
Total Wet Weight	666
Sacks 9	9
Net Weight	657
Less H_2O 1.0 %	7

METAL VALUE		
Gold 100% @ 34.9125	1	27
Silver 100% Less ½ oz. 90.125	34	52
Copper		
Lead	27	24
Zinc		
Total Metal Value	63	03
Less 5% of value of silver	1	73
Gross Value	61	30
Less Working Charge	9	34

WORKING CHARGE		
Treatment Base 30% Lead	3	90
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		72
Insoluble	5	06
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit	9	68
Iron Credit		34
Net Working Charge	9	34

Dry Weight, lbs. 650	Payment for .325	tons @	51	96	per ton	16.89
Freight advanced @ 9.09	per ton				3.03	
Federal Tax 3%					.09	
Handling Charge Acct. Less Than 10 Tons					5.00	8 12
Assay Charges						
Sampling Charges						
Hauling Charges:						
Checked by		Amount Withheld Pending Receipt of Silver Affidavit				
Approved by		Net Payment				8 77

F[redacted] 230 10M 10-13-41

MURRAY PL[redacted]T, Date Assayed 11-13-47

AMERICAN SMELTING AND REFINING COMPANY

	Lot No.	NAME	Gold ounces per ton	Silver ounces per ton	Lead per cent Wet	Copper per cent Wet	Insoluble per cent	Zinc per cent	Sulphur per cent	Arsenic per cent	Antimony per cent	Iron per cent	Manganese per cent	Lime per cent	Bismuth per cent
A.S.& R.Co.	3	M.V Liderman	.01	35.8	18.0	—	48.8	11.4	0.9	—	0.1	5.5	—	—	
Mine															

M

Paul McGhie Chief Chemist

FO[redacted] 247 10M 5-47

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, Nov. 15, 1947

(9)

BOUGHT OF M.V. Linderman MINE Ohio LOT NO. 3

RECEIVED 11-6-47 SAMPLED BY MP CLASS crude SHIPPING POINT Hailey, Idaho

QUOTATIONS GOLD SILVER .90 LEAD 15.00 less 1.801 tax on bullion .028 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	Sb
A. S. & R. CO.	.01	35.8	18.0	-	48.8	11.4	.9	-	5.5	.1
UMPIRE										
SETTLEMENT ASSAY	.01	35.8	18.0		48.8	11.4	.9		5.5	.1

CAR INITIAL	NUMBER	WEIGHT
	truck	

VALUES PER TON			
GOLD	@		
SILVER, 95%	@	.90	30.61
LEAD, LESS 1.5, 90%	@	2.6342	39.12
COPPER, LESS	@		
			69.73
LESS TOTAL DEDUCTIONS			8.75 max.

DEDUCTIONS PER TON	
BASE	
LABOR ADJUSTMENT	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
DEBIT	
IRON % @	
TOTAL DEDUCTIONS	

WEIGHT OF LOT	3755
WEIGHT OF 27 SACKS	39
WET WEIGHT	3716
LESS MOISTURE 6.6 %	246
DRY WEIGHT	3470

@ $ 60.98 PER TON $ 105.80

FREIGHT ~~ADVANCE~~ sampling and assaying		5.00
ADVANCES		100.80
SAMPLING hauling @ 24.00	44.34	
UMPIRE fed.tax on frt.3%,	1.33	45.67
ASSAYING		

Rates, except on contracts, subject to change without notice. Buyers assays govern if seller fails to make or submit assays prior to acceptance of payment.

NET PROCEEDS $ 55.13

MEM NOV

Form S.L. 230 10M 10-13-41

MURRAY PLA[illegible], 11-5 Date Assayed

AMERICAN SMELTING AND REFINING COMPANY

	Lot No.	NAME	Gold ounces per ton	Silver ounces per ton	Lead per cent Wet	Copper per cent Wet	Insoluble per cent	Zinc per cent	Sulphur per cent	Arsenic per cent	Antimony per cent	Iron per cent	Manganese per cent	Lime per cent	Bismuth per cent
A.S.& R.Co. Mine	2	M.V. Sandaman	.01	54.0	29.3	–	35.8	7.0	0.6	–	–	8.7		–	

M.

E. B. Perry Ass't Chief Chemist

FORM S. 247, 10M 5-47

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, Nov.7,1947

(8)

BOUGHT OF M. V. Linderman MINE Ohio LOT NO. 2

RECEIVED 10-24-47 SAMPLED BY MP CLASS Crude SHIPPING POINT Hailey, Idaho

QUOTATIONS GOLD SILVER .90 LEAD 15.00 less 1.801 tax on bullion .028 COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT		
A. S. & R. CO.	.01	54.0	29.3	-	35.8	7.0	.6		8.7		
UMPIRE											
SETTLEMENT ASSAY	.01	54.0	29.3	-	35.8	7.0	.6		8.7		

CAR INITIAL	NUMBER	WEIGHT
Truck		

VALUES PER TON			
GOLD	@		
SILVER, 98%	@	.90	46.17
LEAD, LESS 1.5.90%	@	2.6342	65.91
COPPER, LESS	@		
			112.08
LESS TOTAL DEDUCTIONS			8.23

DEDUCTIONS PER TON	
BASE	4.65
Under 30% Lead	.22
LABOR ADJUSTMENT	
INSOLUBLE % @	3.58
ZINC % @ Over 6%	.30
SULPHUR % @	
DEBIT	8.75
IRON % @	.52
TOTAL DEDUCTIONS	8.23

WEIGHT OF LOT

WEIGHT OF SACKS

WET WEIGHT 11980

LESS MOISTURE 9.2 % 1102

DRY WEIGHT 10878 @ $ 103.85 PER TON $ 564.84

FREIGHT ADVANCED

ADVANCES

SAMPLING and assaying 5.00

UMPIRE 559.84

ASSAYING Hauling @ 14.40 86.26

Fed.tax on frt.3% 2.59 88.85

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays prior to acceptance of payment.

MVE OCT.

NET PROCEEDS $ 470.99

FORM S.L. 247 15M 5-47

(10)

AMERICAN SMELTING AND REFINING COMPANY

MURRAY PLANT

SALT LAKE CITY, UTAH, July 14, 1948

BOUGHT OF M.V. Linderman, MINE Ohio LOT NO. 2

RECEIVED 7-7-48 SAMPLED BY MP CLASS crude SHIPPING POINT Hailey, Idaho

QUOTATIONS GOLD SILVER .90 17.50 less 1.857 tax on bullion .0295 LEAD COPPER

ASSAYS	GOLD OZ. PER TON	SILVER OZ. PER TON	LEAD PER CENT	COPPER PER CENT	INSOL. PER CENT	ZINC PER CENT	SULPHUR PER CENT	ARSENIC PER CENT	IRON PER CENT	Sb
A. S. & R. CO.	.015	26.7	17.1	.1	45.8	12.3	.3	.2	7.9	.2
UMPIRE										
SETTLEMENT ASSAY	.015	26.7	17.1	.1	45.8	12.3	.3	.2	7.9	.2

CAR INITIAL	NUMBER	WEIGHT
		truck

VALUES PER TON			
GOLD	@		
SILVER, 95%	@	.90	22.33
LEAD, LESS 1.5,30%	@	3.1227	43.84
COPPER, LESS	@		
			66.67
LESS TOTAL DEDUCTIONS			8.75 max.

DEDUCTIONS PER TON	
BASE	
LABOR ADJUSTMENT	
INSOLUBLE % @	
ZINC % @	
SULPHUR % @	
DEBIT	
IRON % @	
TOTAL DEDUCTIONS	

WEIGHT OF LOT 12369

WEIGHT OF 160 SACKS 143

WET WEIGHT 12226

LESS MOISTURE 4.8 % 586

DRY WEIGHT 11640 @ $ 57.92 PER TON $ 337.09

FREIGHT ADVANCED sampling and assaying 5.00

ADVANCES 332.09

SAMPLING hauling 89.44

UMPIRE fed. tax on frt. 3% 2.68 92.12

ASSAYING

Rates, except on contracts, subject to change without notice.
Buyers assays govern if seller fails to make or submit assays prior to acceptance of payment.

NET PROCEEDS $ 239.97

MEM JULY

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

SHEET SETTLEMENT L - 10

Salt Lake City, Utah, [illegible] 7, 1952

Purchased From M. V. LEHMAN

Pay M. V. LEHMAN, P. O. BOX 353, SALMON, IDAHO

SPRINGTON, IDAHO

Ore GOLD (GOLD FIELD) *Lot No.* 6 *Gold License No.*

Sampled by SHIVELE *Received* 9-16-52 *Sampled* 9-23-52 *Assayed* 9-24-52

Metal Quotations—Gold *Silver* 90.0 *Copper, N. Y.* *Lead, N. Y.* *Zinc*

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.										
Umpire										
Non-Sulphide										
Settlement Assay		76.80								

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead		
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight							
Sacks					Total Debit		
Net Weight		Gross Value			Iron Credit		
Less H_2O %		Less Working Charge			Net Working Charge		

Dry Weight, lbs.	Payment for	2.903	tons @	4 92	per ton	14.28
Freight advanced @	per ton					
Assay Charges						
Sampling or Watching Charges						
Hauling Charges						
	FINAL SILVER PAY PER TON	75.66				
	PROV. SILVER PAY PER TON	60.74				
		14.92				
	Amount Withheld Pending Receipt of Silver Affidavit					
					FOR PROPER CREDIT	14 28

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

PROVISIONAL SETTLEMENT L-10

Salt Lake City, Utah, SEPTEMBER 26, 1952 (11)

Purchased From H. V. LIMBERAN

Pay H. V. LIMBERAN, P. O. BOX 353, HAILEY, IDAHO

CP: HAILEY, IDAHO

Ore CRUDE *Lot No.* 6 *Gold License No.*

Sampled by TIVALS *Received* 9-16-52 *Sampled* 9-23-52 *Assayed* 9-24-52

Metal Quotations—Gold 34.9125 *Silver* 90.00 *Copper, N. Y.* *Lead, N. Y.* 16.00 *Zinc*

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME.	PER CENT
U. S. S. R. & M. Co.				44.40						
Umpire										
Modified 036				1.50						
Settlement Assay	.05	76.80	.10	42.90	27.30	5.60	2.80	.80	.40	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
TRUCK		Gold 100% @ 31.8183	1	59	Treatment Base 30% Lead	7	15
		Silver 95% @ 90.0	65	66	Credit Acc't Over 30% Pb.	1	29
		Copper			Debit Acc't Under 30% Pb.		
		Lead	106	18	Insoluble	2	73
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight							
Sacks					Total Debit	8	59
Net Weight	5968	Gross Value	173	43	Iron Credit		34
Less H_2O 2.7 %	162	Less Working Charge	8	25	Net Working Charge	8	25

Dry Weight, lbs. 5806	Payment for 2.903	tons @	165 18	per ton	479.52
Freight advanced @	per ton				
~~Handling Charge~~				10.00	
Assay Charges					
Sampling or Watching Charges					
Hauling Charges @ 10.40 per ton (15 ton min. proportioned) see lot 5-64.55					
Federal Tax 3%				1.94	76 49
Friestad Company, Hailey, Idaho					
				TOTAL NET PROCEEDS	403 03
				Amount Withheld Pending Receipt of Silver Affidavit	14 28
				NET PROCEEDS TO TOTAL ~~Net Payment~~	388 75

RECEIVED APR 14 1958 OPEA

FORM C.O. 77-2

FINAL SETTLEMENT 1-10

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, AUGUST 10, 1952

Purchased From G. V. LUTHER, P. O. BOX 353 [illegible], IDAHO

Pay G. V. LUTHER, P. O. BOX 353, ALLEN, IDAHO

OR WALLACE, IDAHO

Ore (ORE CONTRACT) Lot No. 4 Gold License No.

Sampled by [illegible] Received 8-6-52 Sampled 8-9-52 Assayed 8-11-52

Metal Quotations—Gold [illegible] Silver 90.0 Copper, N. Y. Lead, N. Y. Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.										
Umpire										
Non-Sulphide										
Settlement Assay		66.90								

CAR NOS.	WET WEIGHT
Total Wet Weight	
Sacks	
Net Weight	
Less H_2O %	

METAL VALUE		
Gold 100% @		
Silver % @		
Copper		
Lead		
Zinc		
Gross Value		
Less Working Charge		

WORKING CHARGE		
Treatment Base 30% Lead		
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit		
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	Payment for	6.305	tons @	4	29	per ton 27 05
Freight advanced @	per ton					
Assay Charges						
Sampling or Watching Charges						
Hauling Charges						
	FINAL SILVER PAY [illegible]					$57.20
	ACCT. SILVER PAY [illegible]					$52.71
						$4.29
	Amount Withheld Pending Receipt of Silver Affidavit					
	[illegible] FINAL					27 05

RECEIVED APR 14 1958

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, [illegible]

Purchased From [illegible]

Pay [illegible]

Ore [illegible] Lot No. 1 Gold License No.

Sampled by [illegible] Received [illegible] Sampled [illegible] Assayed [illegible]

Metal Quotations—Gold [illegible] Silver [illegible] Copper, N. Y. Lead, N. Y. [illegible] Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.				[illegible]						
Umpire										
[illegible]				1.20						
Settlement Assay	[illegible]	[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAR NOS.	WET WEIGHT
[illegible]	
Total Wet Weight	
Sacks	
Net Weight	[illegible]
Less H_2O [illegible] %	[illegible]

METAL VALUE		
Gold 100% @ [illegible]	[illegible]	[illegible]
Silver [illegible] % @ [illegible]	[illegible]	[illegible]
Copper		
Lead	[illegible]	[illegible]
Zinc		
Gross Value	[illegible]	[illegible]
Less Working Charge	[illegible]	[illegible]

WORKING CHARGE		
Treatment Base [illegible]	[illegible]	[illegible]
Credit Acc't Over 30% Pb.	[illegible]	[illegible]
Debit Acc't Under 30% Pb.		
Insoluble	[illegible]	[illegible]
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit	[illegible]	[illegible]
Iron Credit		[illegible]
Net Working Charge	[illegible]	[illegible]

Dry Weight, lbs. [illegible] Payment for [illegible] tons @ [illegible] per ton [illegible]

Freight advanced @ per ton		
Handling Charge	[illegible]	
Assay Charges		
Sampling or Watching Charges		
Hauling Charges [illegible] per ton [illegible]	[illegible]	
[illegible]	[illegible]	[illegible]
[illegible] Company, Kellogg, Idaho		
[illegible]		[illegible]
Amount Withheld Pending Receipt of Silver Affidavit		[illegible]
[illegible]		[illegible]

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

(13)

[illegible] 1-10 — Salt Lake City, Utah, [illegible] 26, 1952

Purchased From [illegible]

Pay [illegible], [illegible] 350, [illegible], [illegible]

[illegible], [illegible]

Ore [illegible] Lot No. 5 Gold License No.

Sampled by [illegible] Received 9-16-52 Sampled 9-19-52 Assayed 9-20-52

Metal Quotations—Gold 34.6125 Silver 90.0 Copper, N. Y. Lead, N. Y. 16.00 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.				30.00						
Umpire										
[illegible] 1.000				1.50						
Settlement Assay	.025	48.50	.10	28.30	30.10	8.00	4.40	.30	.40	

CAR NOS.	WET WEIGHT
[illegible]	
Total Wet Weight	
Sacks	
Net Weight	6455
Less H_2O 4.0 %	399

METAL VALUE		
Gold 100% @ 31.0125		00
Silver 95 % @ 90.0	42	22
Copper		
Lead	72	52
Zinc		
Gross Value	115	74
Less Working Charge	10	55

WORKING CHARGE		
Treatment Base 30% Lead	7	15
Credit Acc't Over 30% Pb.		[illegible]
Debit Acc't Under 30% Pb.		07
Insoluble	3	21
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit	11	03
Iron Credit		48
Net Working Charge	10	55

Dry Weight, lbs. 6116 Payment for 4.058 tons @ 105 09 per ton 426.46

Freight advanced @ per ton		
Handling Charge	10.00	
Assay Charges		
Sampling or Watching Charges		
Hauling Charges @ $10.40 per ton (15 ton min. proportioned) See Lot 6	21.45	
Federal Tax 3%	2.74	14.19
Oriental Company, Wallace, Idaho		
TOTAL NET PROCEEDS		322 27
Amount Withheld Pending Receipt of Silver Affidavit		12 86
[illegible]		309 41

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

[illegible] 1-10

Salt Lake City, Utah, [illegible] 7, 192[illegible]

Purchased From [illegible]

Pay [illegible]

[illegible]

Ore [illegible] *Lot No.* [illegible] *Gold License No.*

Sampled by [illegible] *Received* [illegible] *Sampled* [illegible] *Assayed* [illegible]

Metal Quotations—Gold *Silver* [illegible] *Copper, N. Y.* *Lead, N. Y.* *Zinc*

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.										
Umpire										
Non-Sulphide										
Settlement Assay		[illegible]								

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead		
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight							
Sacks					Total Debit		
Net Weight		Gross Value			Iron Credit		
Less H_2O %		Less Working Charge			Net Working Charge		

Dry Weight, lbs. Payment for [illegible] tons @ 3 17 per ton 12.06

Freight advanced @ per ton		
Assay Charges		
Sampling or Watching Charges		
Hauling Charges		
[illegible]		
[illegible]		
Amount Withheld Pending Receipt of Silver Affidavit		
[illegible] Amount		12 06

13 FORM C.O. 77-2

(14)

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

PROVISIONAL SETTLEMENT L-6

Salt Lake City, Utah, NOVEMBER 16, 1951

Purchased From F. V. [illegible]

Pay F. V. [illegible], P.O. BOX 353, [illegible], IDAHO
[illegible] HAILEY, IDAHO

Ore CRUDE (CUTO [illegible]) *Lot No.* 3 *Gold License No.*

Sampled by [illegible]VALE *Received* 11-5-51 *Sampled* 11-8-51 *Assayed* 11-9-51

Metal Quotations—Gold 34.9125 *Silver* 88.00 [illegible] *Copper, N.Y.* *Lead, N.Y.* 19.00 *Zinc*

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Antimony
U. S. S. R. & M. Co.				42.00						
Umpire										
~~Non~~-Sulphide Loss				1.50						
Settlement Assay	.05	74.10	—	40.50	27.30	7.60	2.80	1.40	.20	.70

CAR NOS.	WET WEIGHT
TRUCK	
Total Wet Weight	5887
Sacks - 63	50
Net Weight	5837
Less H_2O 1.0 %	59

METAL VALUE		
Gold 100% @ 31.8183	1	59
Silver 95 % @ 90.0	63	36
Copper		
Lead	123	44
Zinc		
Gross Value	188	39
Less Working Charge	7	37

WORKING CHARGE		
Treatment Base 30% Lead	6	15
Credit Acc't Over 30% Pb.	1	05
Debit Acc't Under 30% Pb.		
Insoluble	2	73
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit	7	83
Iron Credit		46
Net Working Charge		

Dry Weight, lbs. 5778 — Payment for 2.889 tons @ 181.02 per ton		522	97
Freight advanced @ per ton			
Handling Charges (Assay Charges)	7.50		
Sampling or Watching Charges			
Hauling Charges			
Parcel Post Charges on one bale sacks - 55 lbs.	1.66	9	16
TOTAL NET PROCEEDS		513	81
Amount Withheld Pending Receipt of Silver Affidavit		4	07
NET PROCEEDS PROVISIONAL ~~Net Payment~~		509	74

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

FINAL SETTLEMENT 1-6

Salt Lake City, Utah, NOVEMBER 21, 1951

Purchased From M. V. LIEBERMAN

Pay M. V. LIEBERMAN, P.O. BOX 352, WALLACE, IDAHO

SP: WALLACE, IDAHO

Ore GALENA (OPIO CREEK) Lot No. 3 Gold License No.

Sampled by HUVALE Received 11-5-51 Sampled 11-8-51 Assayed 11-9-51

Metal Quotations—Gold Silver 90.0 Copper, N. Y. Lead, N. Y. Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.										
Umpire										
Non-Sulphide										
Settlement Assay		74.10								

CAR NOS.	WET WEIGHT
FINCH	
Total Wet Weight	
Sacks	
Net Weight	
Less H_2O %	

METAL VALUE		
Gold 100% @		
Silver % @		
Copper		
Lead		
Zinc		
Gross Value		
Less Working Charge		

WORKING CHARGE		
Treatment Base 30% Lead		
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit		
Iron Credit		
Net Working Charge		

Dry Weight, lbs. Payment for 2.839 tons @ 1.41 per ton 4.07

Freight advanced @ per ton

Assay Charges

Sampling or Watching Charges

Hauling Charges

FINAL SILVER PAY PER TON $63.36
TROT. SILVER PAY PER TON 61.95
1.41

Amount Withheld Pending Receipt of Silver Affidavit

SEE REVERSE SIDE ~~Net Payment~~ 4.07

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March 27/1958.

Smelter Returns As Follows.

Shipments.	Dates	Silver	Lead	Gross	Net
#1	Aug. 1.1929	74.4	40.4	$ 127.88	96.85
2	Oct. 2.1929	59.0	32.1	49.13	40.61
3	Aug.10.1935	61.0	41.5	51.68	37.54
4	Aug.12.1935	42.3	34.8	25.37	13.68
5	Nov.15.1945	112.3	70.6	41.96	34.29
6	Nov.15.1946	38.8	22.8	16.89	8.77
7	Nov. 7.1947	54.0	29.3	564.84	470.99
8	Nov.15.1947	35.8	18.0	105.80	55.13
9	Jul.14.1948	26.7	17.1	337.09	239.97
10	Nov.16.1951	74.10	42.0	522.97	513.81
11	Oct. 7.1952	76.80	44.40	479.52	403.03
12	Aug.14.1952	66.90	43.80	976.20	805.52
13	Sept26.1952	49.50	30.80	426.46	322.27
				3724.19	2942.46

Note most of this ore came out of # 1.2.3. Shafts. #1 Shaft produceing the most.some came from the #3 tunnel also some from #2 tunnel.

The #1 shaft is where I want to sink on down 100 feet and drift S.E.about 50 feeton veine.

Also deift 100 feet in a southerly direction from the end of the #1 or lower tunnel,as the indications look very at that point. in this tunnel I have a car and track.

The cost of drifting in #1 tunnel will be about $35.00 pr, ft.

the cost of sinking in the # 1 shaft I think I can do it for about $50.00 pr.ft.

and drifting South from #1 shaft will cost some where about the same as the shaft in the bottom about $5o.00Pr. Ft. there will be little or no timbering.but if I have to do any timbering I have timber on the claim.

Now about water it is a dry mine,only one. shaft#2which fills up about ten feet with snow water which I use to cool the compressor and drill with in emergency when I run out when I am hauling .

Ih ave com pressor hoist and an automatic dumping small skip.at the #portel of #1 shaft the road is a fair mine road of which I hired built. The Ohio Mine is a Patented property Of which I am Sole Owner.

Yours truely ,

A. W. Linderman

Alonzo W.Linderman
PO.BOX 353
Hailey Idaho.

Information for This Application.

#1. (a).
Ohio Lead Silver mine.T.3.N.R.18E.
(B).
Ohio.
(c).
Sole owner.

#2.
(a).
As of sketches and maps inclosed.
(b).
Alsoiinclosed is copies of production sheets
(c).
Also Maps of workings to the best of my knolidge as above
(d).
Also records inclosed.
(e).
Also inclosed.
(f).
Have taken out ore from veins on surface and other places.
(g).
Also please find inclosed.

#3.(a).
I A...Lind...en owner and every workings is open.
(b).
Hailey railroad andis about 4miles all good roads
(c).

#4.
(a).
Please Find inclosed mapss.
(b).
Road is already built by owner.
(c).
As soon as loan is completed. May take 6 mo.
(

Drift 100Ft in end of #1.tunnel
Drift 50 Ft off #1 shaft.
Sink 100 Ft from bottom of #1 shaft.

#5.
(a)
I have done all of the work sinking and drifting that has been done in late yeayr.
Sank #1 shaft.Also #2 shaft and # 3shaft Also 80 ft. on end of #1 tunnel where I want to drift 100 Ft. more
And I thourly intend to be at the workings at all time when the work is going on.

#6.
(a). The cost of Drifting in the end of #1 tunnel I think will be about $35.00 pr ft. as there is car and track installed and there will be little or no timbering.
The cost of drifting off from #1 shaft will be about the same as sinking in same about $50.00.
And the cost of sinking in the bottom of #1 shaft will be about $ 50.00 pr foot.
(there will be no contracting.)
(b).
I intend to do this also.
(c).
For power I have a 160 hp international gas engine.
Track cars air compressor.and hand tools.
(d) Own all it ms

#7.

(a).
Yes ,by furnishing equipment and my personal services
(b).
I have been trying to develop this property for the past 30 yrs and have every good idea of how to work this property along with all the help of a good engineer .

This p property has been owned and operated for the last 30 yrs.

A.W.Linderman Of Hailey Idaho

A. W. Linderman
Hailey Idaho

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List of tools for Ohio Mine
L 69

Gardener Denver Jack Hammer

75 ft.	Hose
about	500 Timpkin Bits
"	15 pieces of steel
Jack Hammer	shelf & bar
shovels	picks

compressor

165 hp. International engine

two air tanks

1 skip & track in #1 shaft and piped.

2 cars & track and in #1 tunnel
out

International 3/4 ton truck for hauling supplies

$1\frac{1}{2}$ pipe about 200 feet

$\frac{1}{2}$ water pipe about 150 feet.

timber on claim to use if needed

a patented claim

Hoist cable & automatic dump head frame

List of tools. for Dio Mine
L 69.

Gardener Denver Jack Hammer.

75 ft Hose

about 500. Timpkin Bits

15 pieces of steel

"

Jack Jade Hammer Shell + Bar.

Shovels picks

Compressor.

165 HP. International Engine

two air tanks

1 Skip + track in # 1 Shaft and pipes.

2 Cars + track dry and in # 1 Tunnel

International 3/4 ton Truck. for Hauling supplies

1 1/2 pipe about 200 feet

1/2 water pipe about 150 ft

timber on claim use if needed

a patented claim

Hoist. Cable + automatic dump Head frame

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ndard Form No. 65 (Rev. 1957)
mulgated by Bureau of the Budget Circular A-33 (Rev.)

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
Mr. Houtkonen Def. Mine Rm. 4458	STOP		STOP
	STOP		STOP
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Use other side

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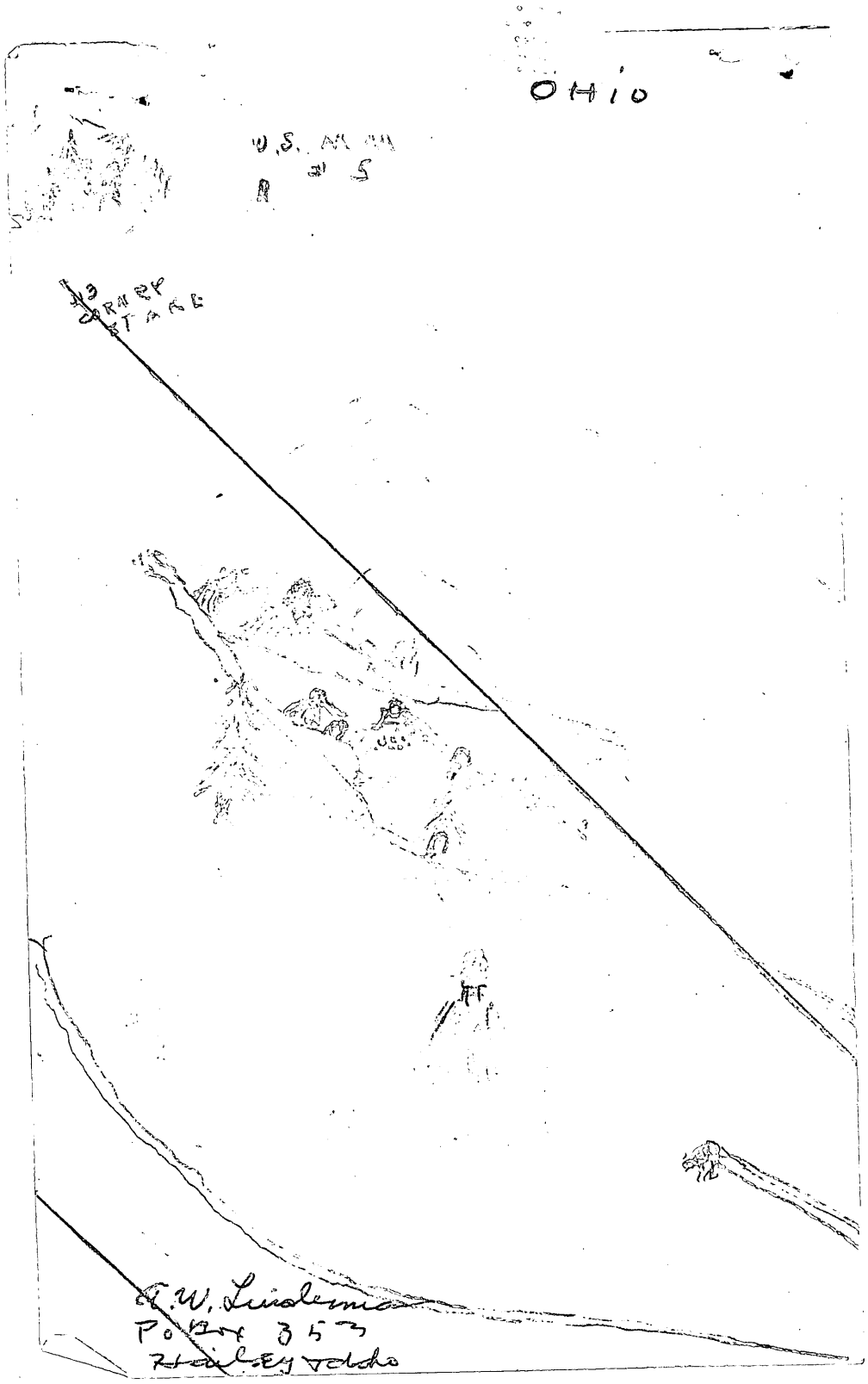
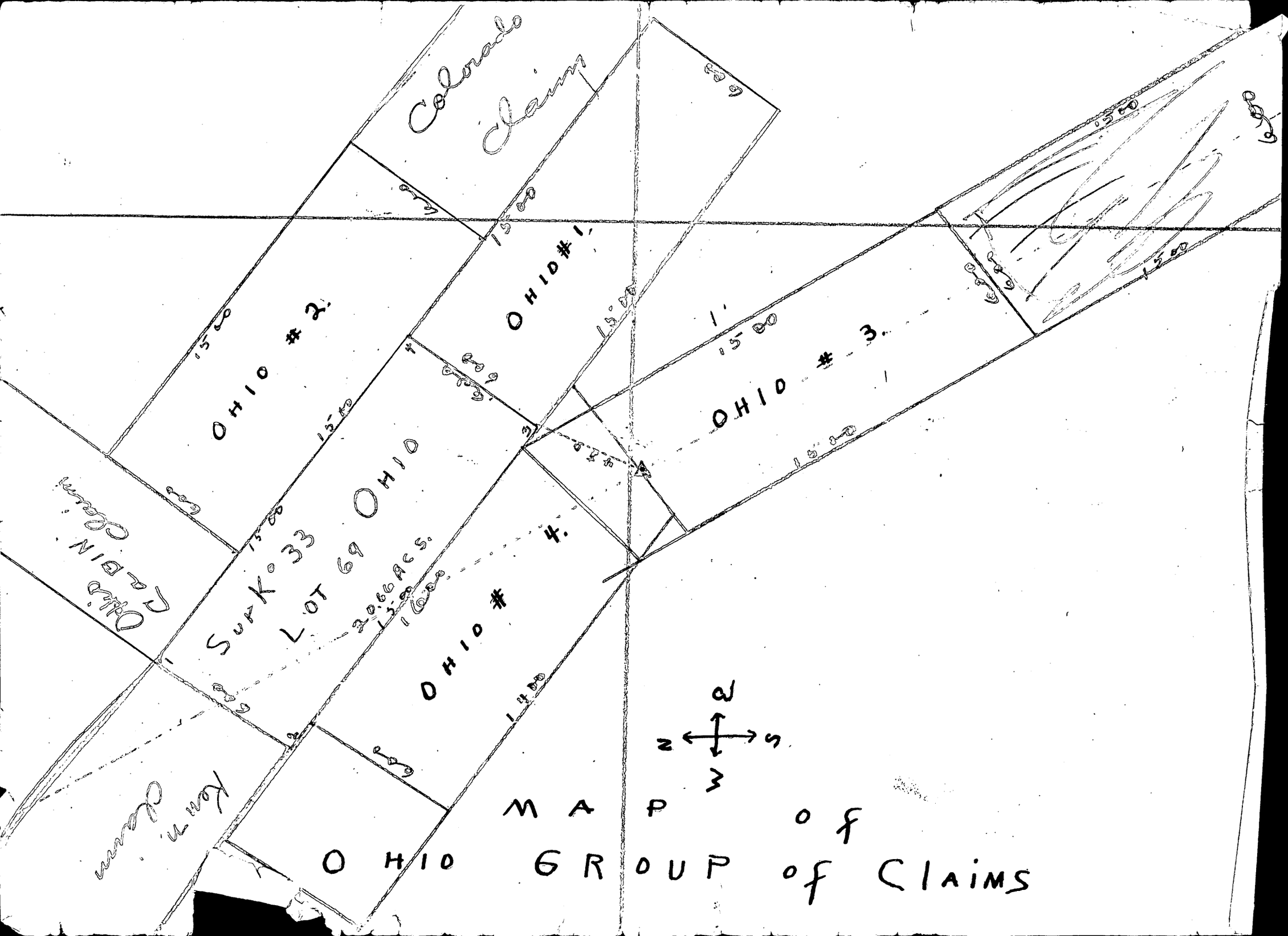
Mr. Kilbourn -


OHIO
U.S. MAIL
R
3 MILES
TRACK
G.W. Lindeman
P.O. Box 353
Wallace, Idaho

Return to
Bill Gaworto
Please.



MAP of OHIO GROUP of CLAIMS

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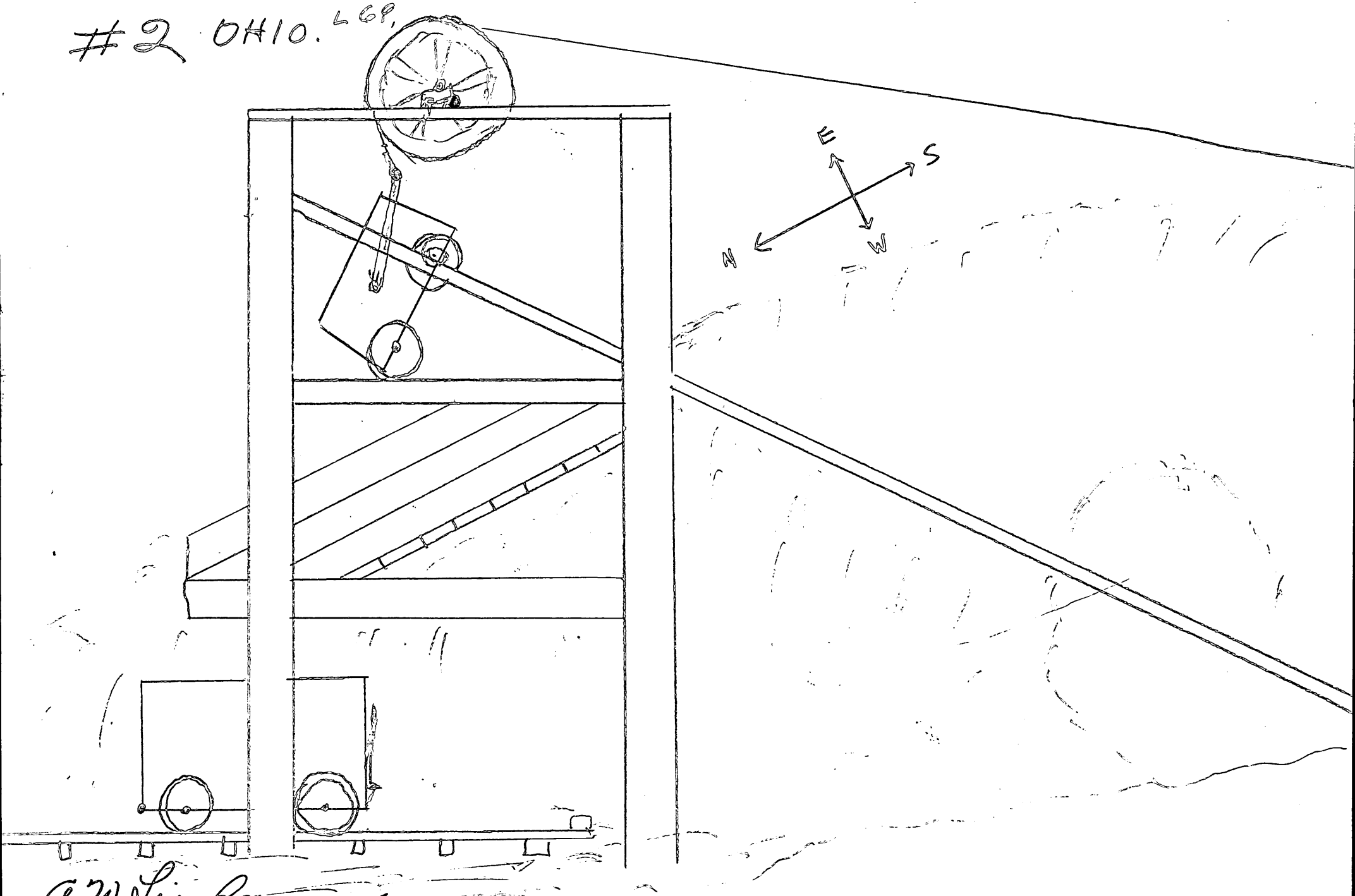
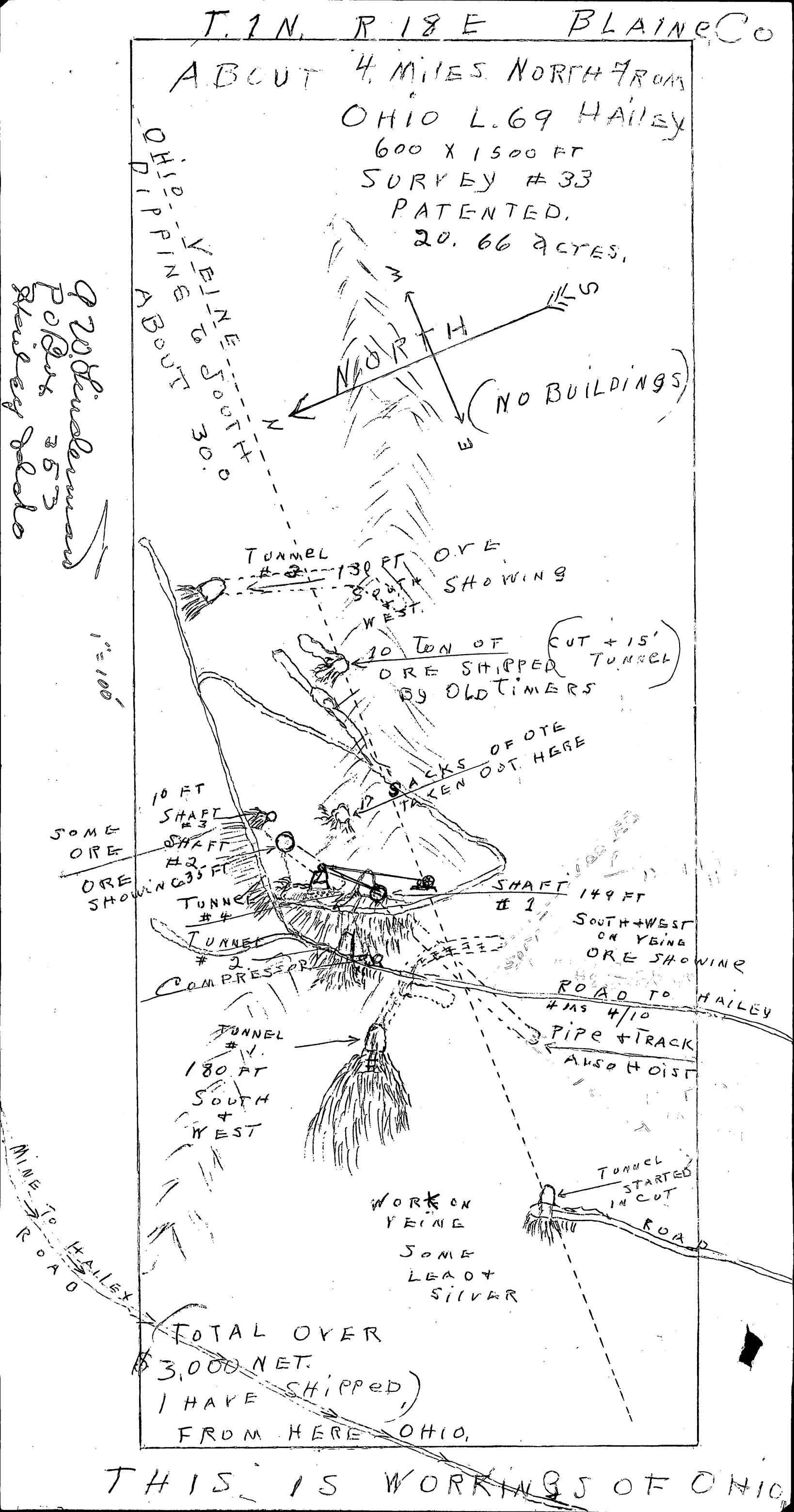
#2 OHIO. L 69.



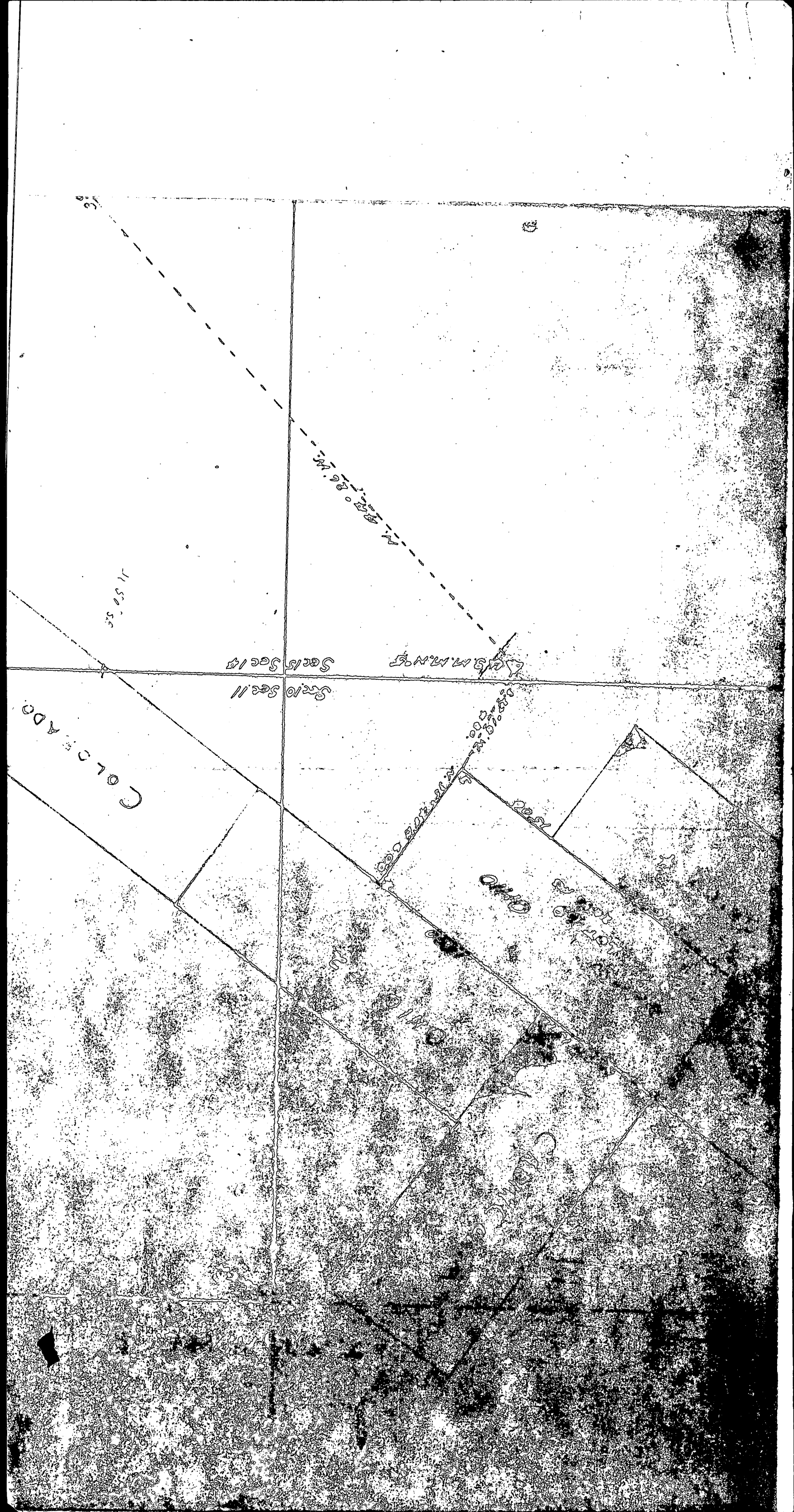
A W Lindemann
P O Box 353
Hailey Idaho

MOUTH OF SHAFT #1
149'

T. 1 N. R 18 E BLAINE Co



THIS IS WORKINGS OF OHIO


Colorado
Sec. 10
Sec. 11
Sec. 15
Sec. 14
Ft. Garland 22.6 Mi.
21 50 55

DMEA Form 7
(12-56)

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Date	Surname	Code
8/19	Klingenschied	500
8/19	Brewer	580
8/19	Schlosser	130
"	Johnson	110
"	Mullendore	100
		220
		586
8/19	Yopes	130
8/19	Nelson	130

AUG 19 1958

Mr. Alonzo W. Linderman
Post Office Box 353
Hailey, Idaho

Re: Docket No. DMEA-4980 (Lead)
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho

Dear Mr. Linderman:

We regret that we were unable to completely process your application for exploration aid prior to June 30, 1958, the termination date for approving new contracts, as announced by the enclosed copy of a news release of June 6, 1958.

However, had the processing been completed, we would have been unable to approve a project based upon the information available to us in Washington concerning your property.

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for bringing the exploration plan to our attention.

Sincerely yours,

C. O. Mullendore (for)

Administrator

Enclosure

WPK/dl 8-19-58
cc to: Docket
Admr. R. File
Oper. Comm.
FT. REG. I
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

8623

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

August 15, 1958

Memorandum for the Files

From: W. P. Klugescheid, Mining Engineer, Division of Base Metals

Subject: Justification for Denial
Docket No. DMEA-4980 - Lead
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho

The cited application, dated April 10, 1958, was received in this office on April 15, 1958.

The Applicant proposed to drift southeasterly for 100 feet from the end of the existing No. 1 or lower tunnel. A drift along this bearing would be below and nearly parallel to the plane of the ore bearing structures. Further work was to sink on Shaft No. 1 100 feet and then drift 50 feet from the bottom of the shaft.

The property has some merit between shaft No. 1 and the East Adit. However, the work proposed by the Applicant has no merit and is based mainly on a "hunch". The proposed shaft and drifts are on barren or nearly barren, weak structures.

The best way to explore this mineralized area would be by dozer trenching and diamond drilling the gently dipping veins to the southeast of the No. 1 shaft. Mr. Linderman would be unable to finance his share of such a project, as he had planned to finance the proposed work by working himself. Because of the poor likelihood of a significant discovery in the area, no alternate program is recommended.

For the most part, the veins consist of lead carbonate with varying amounts of zinc carbonate. Some galena is present. The average thickness of the veins is probably less than one foot. The veins do not give promise of becoming stronger. The veins are badly faulted and broken both in strike and down dip. The best assay results were from samples taken near the surface. One vein which was

followed downward became more weakly mineralized at depth.

This property has over 400 feet of drifts and crosscuts from5 adit levels over a vertical distance of 150 feet and a horizontal distance of 700 feet. Mr. Linderman has sunk two inclined shafts with a total length of 225 feet.

Total shipments of hand-picked ore from 1929 to 1952 were 34 tons averaging 60 ozs. of silver per ton and 40 per cent lead.

Assay Data of Samples taken by Field Examiners

Sample No. and Location	Width (ft)	Pb(%)	Zn(%)	Ag(oz/ton)
GGW5E bottom - Shaft No. 1	2.3	0.15	0.25	0.60
GGW6E East Adit	2.5	2.70	2.50	1.60
GGW7E East Adit	5.5	1.20	1.90	4.80
GGW8E Cut-Fault on Surface	6.0	2.05	0.35	3.50
GGW9E Collar-Shaft No. 2	0.2	12.25	15.80	16.30
GGW11E Wall-Shaft No. 1	1.2	7.20	Tr.	16.40
GGW12E Bottom-Shaft No. 1	0.5	0.25	0.50	0.40
GGW13E Wall-Shaft No. 1	3.5	0.25	Tr.	0.60

The Field Examiners state: "Because the geologic probability of making a significant discovery is poor, a denial of the application is recommended." The Field Team, Commodity Members of the Bureau of Mines and the Geological Survey, and the Base Metals Division concur in this recommendation.

W. P. Klugescheid

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

August 12, 1958

Re: DMEA 4980
Lead - $11,000
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, USBM

Subject: Review of field examiners' report dated July 22 and received Washington July 31, 1958

H. F. Albee and G. C. Waddell have examined the Ohio claim group in response to A. W. Linderman's application for DMEA aid dated April 9, 1958. They conclude the geologic probability for significant discovery is insufficient to warrant DMEA assistance.

The narrow veins, the discontinuous pods of ore minerals, and generally low assay values coupled with Mr. Linderman's poor choice of areas to be explored lead logically to the field examiner's conclusions. I recommend denial. However, incomplete data on the stratigraphy and structure of the immediate area and several encouraging assays suggest the denial should be without prejudice to the property.

O. M. Bishop

O. M. Bishop

cc: Division of Minerals
Mr. Kiilsgaard
Mr. Lamb
Mr. Callaway
F I L E S

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500

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

August 5, 1958
Re: DMEA 4980
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho
$11,000 - Lead-Zinc-Silver

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicant requested assistance in continuing the exploration of a narrow vein or veins in quartzite on which he has worked for 30 years. Between 1929 and 1952 shipments worth $3,724.19 (grows) were made. The shipments averaged 60 oz. silver and 40% lead per ton.

The examiners found little material of ore grade and none of ore grade and width. The sampling sustains the production history which justifies the recommendation that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

DMEA
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DATE	INITIALS	CODE
7/31	C	220
8/5	2B	130
8/5	C	220
		500

July 25, 1958

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4980 (Lead)
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of a memorandum report of examination of this property by Howard F. Albee, Geologist, U. S. Geological Survey, and G. G. Waddell, Mining Engineer, U. S. Bureau of Mines.

Lead, zinc, and silver minerals occur in veins that fill faults and fracture fissures in quartzite. The veins range in thickness from a fraction of an inch to 6 feet. The sulfides are in small stringers and veinlets and are encased in indistinct zones of carbonate in a gangue of quartz, calcite, and iron oxides. With one exception the assays are low.

Albee and Waddell conclude that the chance of making a significant discovery is poor and recommend that the application be denied.

We concur with the conclusions and recommendations of the examiners.

By Field Team, Region I

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
8-5-58
(date)

Donald R. MacLaren, Acting Member
U. S. Geological Survey

Enclosures
cc: USBM(2)
USGS(SRO)
Albee

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RECEIVED JUL 31 1958

DATE	INITIALS	CODE
8/5	HB	130
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington
July 22, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: Howard F. Albee, Geologist, U. S. Geological Survey, and G. G. Waddell, Mining Engineer, U. S. Bureau of Mines

Subject: Application Examination Report, Docket No. DMEA 4980 (Lead), Alonzo W. Linderman, Ohio Mine, Blaine County, Idaho

ON - SITE REPORT

INTRODUCTION AND SUMMARY

A. W. Linderman, P. O. Box 353, Hailey, Idaho, applied on April 9, 1958, for aid to explore for lead on the Ohio group of claims in Blaine County, Idaho. The applicant proposed to explore the property by drifting and inclined-shaft sinking at an estimated cost of $11,000. The property was examined on June 9, 1958, by the authors accompanied by Mr. Linderman.

The Ohio group is owned, without liens or encumbrances, by Mr. Linderman. The group comprises seven unpatented and one patented lode mining claims located in the Warm Springs Creek Mining District, Blaine County, Idaho.

The deposit consists of replacement veins filling fault and fracture fissures. The metallic constituents of the ore con sist of lead, zinc, and silver, with the lead and zinc occurring dominantly as carbonates. The veins strike from N. 20°-45° W. and dip about 30°-62° SW. They range in thickness from a fraction of an inch to as much as 6 feet. The galena is in small stringers and veinlets with indistinct zones of lead carbonates disseminated outward from them. The gangue consists largely of quartzite, iron oxides, and minor calcite and quartz. Approximately 8 hours were spent on the property. Nine samples were cut.

RECOMMENDATION

Because the geologic probability of making a significant discovery is poor, a denial of the application is recommended.

Reviewed by
DMEA OPERATING COMMITTEE
8-5-58
(date)

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The property is located in secs. 10, 11, 14, and 15, T. 3 N., R. 18 E., Boise meridian, Warm Springs Creek Mining District, Blaine County, Idaho (fig. 1).

The property is reached from Hailey, Idaho. Travel 4.1 miles north from the Hailey city limits sign on U. S. Highway 93, turn east across the railroad tracks and travel 3.1 miles up Ohio Gulch, at which point the mine workings can be seen on the north-facing slope of the canyon. The road from the highway is narrow, but it is easily traveled by passenger car. The average annual snowfall is about 90 inches, and, unless cleared, the road normally would be blocked from November to the middle of May.

The site of the proposed exploration lies on a timber-free shoulder immediately east of which is a dense cover of fir trees. The site lies about 300 feet above the bottom of Ohio Gulch on about a 25° slope, and at an altitude of approximately 6,300 feet.

Exploration work would normally be recessed during the prolonged winters because of the expense of snow removal from the access road.

Timber suitable for mining purposes is available locally. Water for mining would have to be hauled from the Big Wood River about 3.5 miles to the west. Labor and supplies are available in Hailey which is the nearest rail head. Power lines follow U. S. Highway 93 which is about 3 miles to the west.

DESCRIPTION AND HISTORY OF PROPERTY

The Ohio claim group has been prospected since the early 1900's and the Linderman family has worked the property for at least 30 years. Smelter settlement sheets submitted show 34 tons of ore averaging 60 ounces silver per ton and 40 percent lead were shipped between 1929 and 1952, having a gross smelter value of $3,724.19. This ore was obtained by hand picking the development muck and selectively blasting small stringers.

There are over 400 feet of drifts and crosscuts from 5 adit levels over a vertical distance of 150 feet and a horizontal distance of 700 feet. In addition, Mr. Linderman has sunk 2 inclined shafts having an accumulative length of 225 feet. No stopes and only a few glory holes were seen.

Equipment on the property includes a shaft headframe, hoist, skip, two mine cars, an old Quincy Gardiner stationary compressor with a 165 hp International gasoline engine, and a jackhammer with accessory equipment.

All of the old workings have stood without timber support. Although the quartzite is crushed, there is an abundance of calcium carbonate which has partially recemented the rocks.

The overburden averages about 3 feet deep; however, there are outcroppings between the No. 1 shaft and the upper southeast adits that display lead carbonates. Assay results of chip samples of these outcrops taken along a 100-foot strike length were 4.9 ounces silver per ton, 3.65 percent lead, and a trace of zinc. The total strike length of the exposed silver-lead-zinc mineralization is about 500 feet.

PROPERTY RIGHTS

Mr. Linderman is the sole owner of the Ohio group of claims which is comprised of seven unpatented and one patented lode mining claims located in the Warm Springs Creek Mining District, Blaine County, Idaho (fig. 2). The claims are recorded at the Blaine County Courthouse in Hailey, Idaho, as follows:

Name	Book	Page
Ohio (Patent Survey No. 33)	--	--
Ohio No. 1	141	344
Ohio No. 2	131	136
Ohio No. 3	141	345
Ohio No. 4	131	452
Ohio West Extension	131	453
Colorado	--	--
Cabin	--	--

The applicant stated that there are no liens or encumbrances against the property.

GEOLOGY

The country rock in the area of proposed exploration is fine grained, gray quartzite of the Wood River formation of Pennsylvanian age. The quartzite is fractured and broken by innumerable faults to such an extent that the wall rock in all the workings is rubbly although it holds up well without timber.

The adit at the 6300 level was apparently driven to intersect the vein structure that is exposed at the surface near the collar

of the No. 1 shaft (pl. 1). It was not successful, however, and is in nonmineralized rock from the portal to the face. It intersects a number of barren, open faults that did not develop gouge but did brecciate the rock. Beyond this zone of open faults innumerable small, tight faults, with a fraction of an inch to an inch of gouge, were intersected.

The applicant proposes to drift southeasterly for 100 feet from the end of this drift. A drift along this bearing would be below and nearly parallel to the plane of the ore bearing structures.

A cut was made along the mineralized fault that shows at the surface about 20 feet westerly from the collar of Shaft No. 1. The cut terminated where Sample GGW 8E is shown on plate 1. This sample showed 6 feet of material that assayed 2.05 percent lead, 0.35 percent zinc, and 3.5 ounces of silver. A shaft was started on this material, but within a few feet the vein material was found to be dipping at about 30° SW. The present shaft was collared and the old opening was timbered over. The vein was followed down dip for 165 feet. It is badly broken and faulted by post mineral faults and becomes weaker and less mineralized with depth. The applicant proposes a 50-foot southerly trending drift at the point where Sample GGW 12E was cut. The vein structure is weak here and so badly faulted that it is doubtful if it could be followed. The assay of this sample was 0.25 percent lead, 0.5 percent zinc, and 0.4 ounce of silver.

Shaft No. 2 is collared on what may be the same vein as the one in Shaft No. 1. Insufficient detail was seen to be sure, but there appeared to be a fault between the two shaft collars with the down-faulted block on the Shaft No. 2 side. The mineralized material here is narrow but is relatively high grade compared to the other samples. Sample GGW-9E was cut from rusty appearing material across a width of 0.3 of a foot and assayed 12.25 percent lead, 15.8 percent zinc, and 16.3 ounces of silver.

The southeasternmost adit shown on plate 1 was examined, although the applicant had not intended that it be visited. This adit had apparently been driven around the turn of the century as had about the first 120 feet of the 6300 level adit. The adit was driven in barren quartzite to about 65 feet, at which point mineralized material showed in the back. A drift was driven along the vein structure for about 15 feet to where it was cut off by a fault and lost. Sample GGW-6E was taken across the width of the vein and assayed 2.7 percent lead, 2.5 percent zinc, and 1.6 ounces of silver.

The veins are replacements along faults and fractures. In places in the No. 1 shaft the controlling structure horsetailed and parallel veins formed for short distances. Near the center of these

filled structures some galena is present in veinlets and small pods, but no primary zinc minerals were seen. For the most part the veins consist of lead carbonate with varying amounts of zinc carbonate. The material, with some exceptions, is of a rusty yellowish color and difficult to distinguish from the abundant iron oxides. The vein walls are indistinct at most places and, in part, are deceiving in that fracture surfaces coated with lead carbonate and leading away from the vein may be exposed along the wall of the workings. The appearance is that of a thicker vein than exists. The average thickness of the veins is probably less than 1 foot.

APPLICANT'S PROPOSAL

Mr. Linderman's proposed exploration work consists of sink ing the No. 1 shaft 100 feet, drifting 50 feet from the bottom of the shaft, and extending the No. 1 adit 100 feet.

The property has some potential in the area between the No. 1 shaft and the East Adit. However, the work proposed by the applicant has no merit and is based mainly on a "hunch." The proposed shaft and drifts are on barren or nearly barren, weak structures.

The best way to explore this mineralized area would be by dozer trenching and diamond drilling the gentle dipping veins to the southeast of the No. 1 shaft. Mr. Linderman would be unable to finance his share of such a project as he had planned to finance the proposed work by working himself. Because of the poor likelihood of a significant discovery in the area, no alternate program is recommended.

CONCLUSIONS

The property contains a vein that is badly faulted and broken both on strike and down dip. The best assay results were from samples taken near the surface. An attempt was made to follow one vein downward, but it was found to be faulted and possibly horsetailing and to be more weakly mineralized at depth.

For the best material to be considered as ore it would have to be mined selectively as has been done to obtain the sporadic shipments over the past 29 years, unless several parallel veins were present that would support a low-grade open pit. In addition, most of the lead and zinc sampled near the surface occurs combined in the form of carbonates which would present a difficult milling problem.

The veins do not give promise of becoming stronger. As has been pointed out in a memorandum, dated April 24, 1958, from

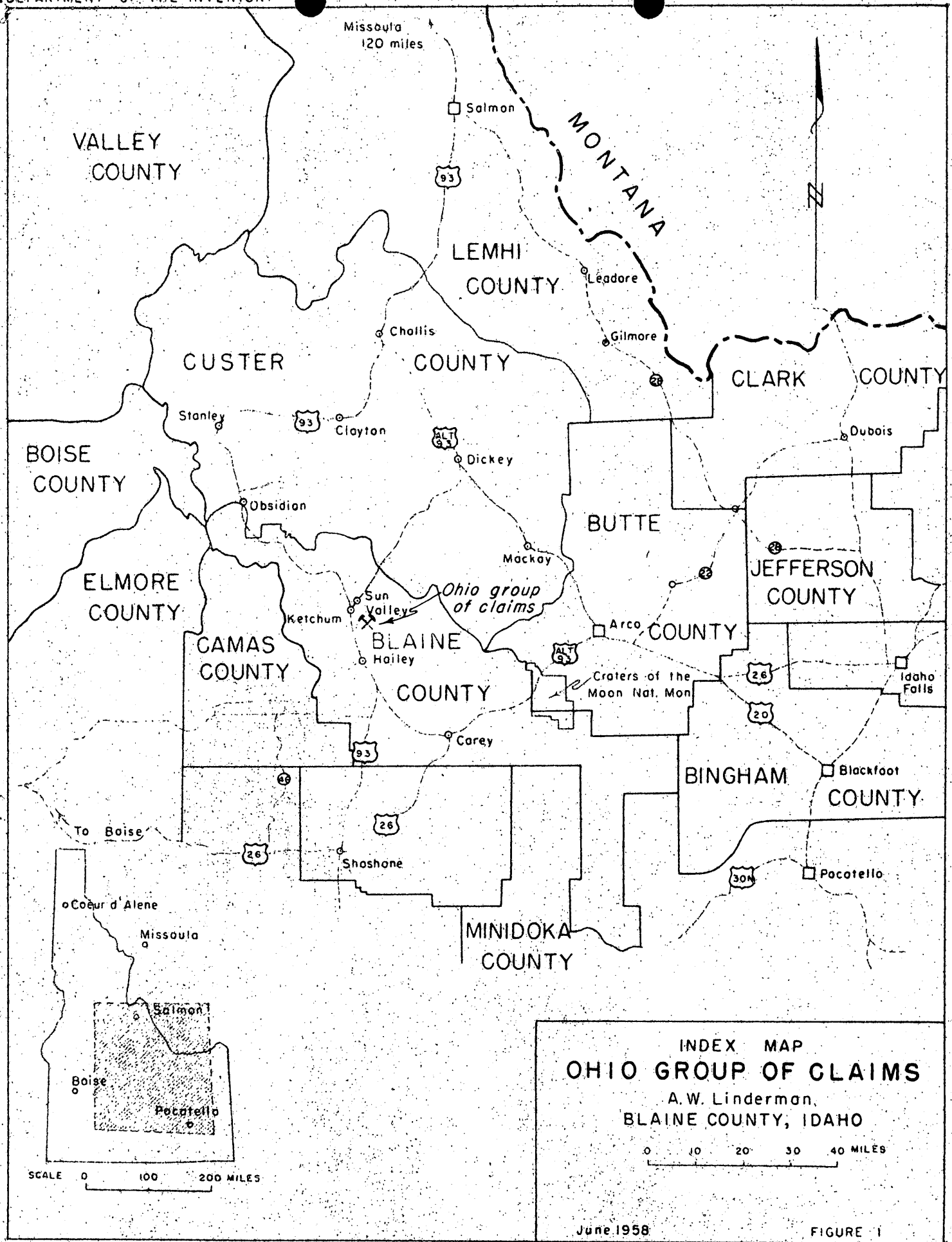
T. H. Kiilsgaard, this area contains numerous lead-zinc prospects, none of which have had significant production.

Attachments
Distribution:
DMEA(3)
USBM(5)
USGS(SRO)
Docket
Albee

UNITED STATES
DEPARTMENT OF THE INTERIOR

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
APPLICATION REPORT

Docket No DMEA 4980



INDEX MAP
OHIO GROUP OF CLAIMS
A.W. Linderman,
BLAINE COUNTY, IDAHO

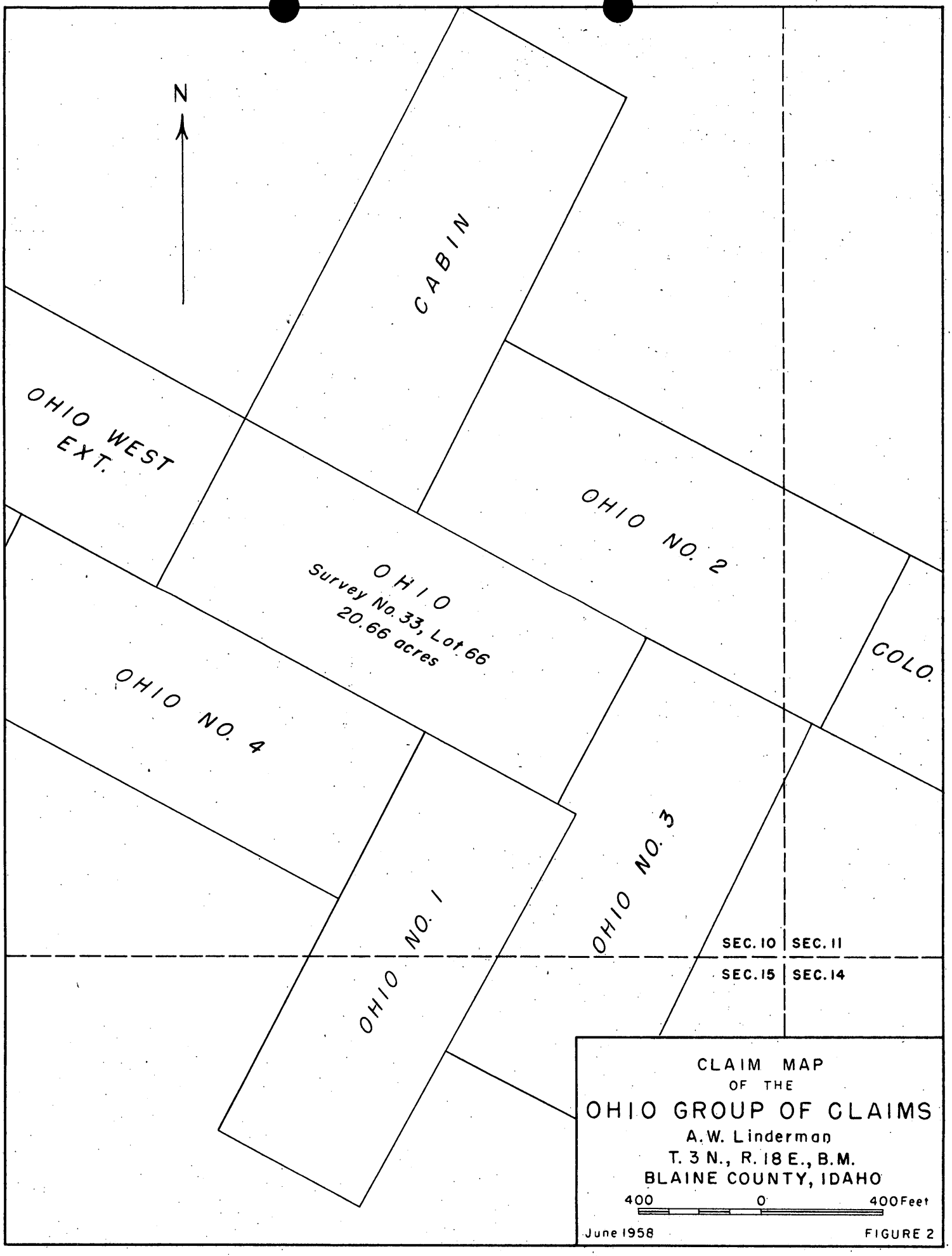
0 10 20 30 40 MILES

June 1958

FIGURE 1

DWEA
RECEIVED JUL 31 1958

DATE	INITIALS	CODE


N
CABIN
OHIO WEST EXT.
OHIO NO. 2
OHIO
Survey No. 33, Lot 66
20.66 acres
COLO.
OHIO NO. 4
OHIO NO. 3
OHIO NO. 1
SEC. 10
SEC. 11
SEC. 15
SEC. 14
CLAIM MAP
OF THE
OHIO GROUP OF CLAIMS
A.W. Linderman
T. 3 N., R. 18 E., B.M.
BLAINE COUNTY, IDAHO
400
0
400 Feet
June 1958
FIGURE 2

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 31 1958

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 12 1958
DATE | INITIALS | CODE
5/12 | | 220

May 2, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: D. C. Alvord, Geologist, U. S. Geological Survey

Subject: Attempted application examination, Docket No. DMEA-4980 (Lead-Silver), Alonzo W. Linderman, Ohio Mine, Blaine County, Idaho.

The subject application was received on April 9, 1958, from Mr. Linderman, who resides at Hailey, Idaho. I was in Salmon, Idaho on the evening of April 9 and attempted to reach Mr. Linderman by telephone, but the telephone operator stated that Mr. Linderman's telephone had been temporarily disconnected. At noon, on April 11, I contacted Mr. Linderman at his residence in Hailey. Mr. Linderman apologized for not advising us that there was at least 2 or 3 feet of snow on his property and that it would be impossible to examine it until about May 15. On parting, Mr. Linderman agreed to let the Spokane office know as soon as his property is clear of snow.

Distribution:
DMEA (3)
USBM (2)
Docket
Alvord

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/28	Klugescheid	500
	[illegible]	500
4/29	GCS	130
"	[illegible]	110
"	[illegible]	100HB
		220
		500

500

APR 28 1958

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-4980 (Lead)
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho

Dear Mr. Weissenborn:

The cited application for exploration assistance is being referred to your office for a field examination and recommendations. In all probability the examination of the property has already been made as you reported that the examiners were in the vicinity.

This project is so badly presented that it would be hopeless to try and do anything from here. The examiners will be able to take care of the costs, the maps, and whatever else is necessary.

Copies of memoranda dated April 16 and 24, 1958, by O. H. Bishop, Bureau of Mines, and T. H. Kiilsgaard, Geological Survey, respectively, relating to the project are enclosed for your information. We are also enclosing a copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (HB)

Enclosures
APPROVED:

JAMES PAONE (HB)
Member, Bureau of Mines

Thor H. Kiilsgaard (HB)
Member, Geological Survey

WPKlugescheid/er 4/25/58
Copy to: Docket
Admr R File
Op. Committee
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/28	Klugescheid	500
	[illegible]	500
4/28	Selbridge	130
4/28	Poore	130
4/28	Kiilsgaard	130
"	[illegible]	110
"	Mittendorf	100
		220
		500

APR 28 1958

Mr. Alonzo W. Linderman
Post Office Box 353
Hailey, Idaho

Re: Docket No. DMEA-4980 (Lead)
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho

Dear Mr. Linderman:

Your application for Government assistance to explore the cited property has been reviewed by the Division of Base Metals of the Defense Minerals Exploration Administration and has been referred to:

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

The Regional Office has probably already communicated its plans for making an examination of the property to you. Any assistance that you may give the members of the Field Team during the examination and any further information that you can give them, which they may require, will be appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WPKlugescheid/er 4/25/58
Copy to: Docket
Admr R File
Op. Committee
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I (2)
Chron.

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED 25
4/25 C 220

Memorandum

April 24, 1958

To: W. R. Griswold, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, DMEA 4980, The Ohio Mine (lead-zinc), Blaine County, Idaho.

In a poorly prepared application, the applicant proposes to explore the Ohio prospect by deepening a shaft 100 feet, by drifting 50 feet from the shaft, and by extending an adit 100 feet. He estimates the cost of this work at $11,000.

We have no information on the Ohio mine. Although I am very familiar with the Hailey district, I have never heard of this property. I do know the general area in which the property is located has not been heretofore productive, even though it does contain numerous small lead-zinc prospects.

From previous experience with prospects in the Hailey area that, like this one, are east of Wood River and south of the east fork of Wood River, I would suspect that this prospect does not warrant DMEA participation in an exploration contract. I note, however, that the Field Team is preparing a report on the property, and I suggest review of that report before passing decision on the application.

T. H. Kiilsgaard

T. H. Kiilsgaard

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 17 1958

DATE	INITIAL	CODE
4/17	G	L2C
4/17	Klag	

April 16, 1958

Re: DMEA 4980; Lead-Silver
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, USBM

Subject: New application dated April 10 and received Washington April 14, 1958.

The incomplete application has been received with a letter of transmittal from Mr. Weissenborn to Mr. Selfridge. The copy received by this office does not define or justify a project.

We note (and recommend) the present action of the Field Team to gain more information.

O. M. Bishop

O. M. Bishop

Copy to Division of Minerals
Branch of Base Metals (2)
Mr. Kiilsgaard
Mr. Lamb
FILES

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

April 14, 1958

Mr. Alonzo W. Linderman
P. O. Box 353
Hailey, Idaho

Subject: DMEA-4980

Dear Mr. Linderman:

Your application for exploration assistance, dated April 10, 1958 submitted to our office at Spokane, Washington has been assigned Docket Number DMEA-4980 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region I

9 maps & sketches loaned to Kilgard - 4/22/59.

EXTRA COPY DMEA RECEIVED MAY 12 1958		
DATE	INITIALS	CODE

So. 157 Howard Street
Spokane 4, Washington

May 2, 1958

MEMORANDUM

To: DMEA Field Team, Region I

From: D. C. Alvord, Geologist, U. S. Geological Survey

Subject: Attempted application examination, Docket No. DMEA-4980 (Lead-Silver), Alonzo W. Linderman, Ohio Mine, Blaine County, Idaho.

The subject application was received on April 9, 1958, from Mr. Linderman, who resides at Hailey, Idaho. I was in Salmon, Idaho on the evening of April 9 and attempted to reach Mr. Linderman by telephone, but the telephone operator stated that Mr. Linderman's telephone had been temporarily disconnected. At noon, on April 11, I contacted Mr. Linderman at his residence in Hailey. Mr. Linderman apologized for not advising us that there was at least 2 or 3 feet of snow on his property and that it would be impossible to examine it until about May 15. On parting, Mr. Linderman agreed to let the Spokane office know as soon as his property is clear of snow.

Distribution:
DMEA (3)
USBM (2)
Docket
Alvord

So. 157 Howard Street
Spokane 4, Washington

May 2, 1958

EXTRA COPY
DMEA
RECEIVED MAY 2 1958
DATE | INITIALS | CODE

MEMORANDUM

To: DMEA Field Team, Region 1

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Distribution:
DMEA (3)
USBM (2)
Docket
Alvord

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

August 12, 1958

Re: DMEA 4980
Lead - $11,000
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, USBM

Subject: Review of field examiners' report dated July 22 and received Washington July 31, 1958

H. F. Albee and G. C. Waddell have examined the Ohio claim group in response to A. W. Linderman's application for DMEA aid dated April 9, 1958. They conclude the geologic probability for significant discovery is insufficient to warrant DMEA assistance.

The narrow veins, the discontinuous pods of ore minerals, and generally low assay values coupled with Mr. Linderman's poor choice of areas to be explored lead logically to the field examiner's conclusions. I recommend denial. However, incomplete data on the stratigraphy and structure of the immediate area and several encouraging assays suggest the denial should be without prejudice to the property.

O. M. Bishop

O. M. Bishop

cc: Division of Minerals
Mr. Kiilsgaard
Mr. Lamb
Mr. Calloway
F I L E S

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

August 12, 1958

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Mr. Lamb
Mr. Calloway
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BUREAU OF MINES
WASHINGTON 25, D. C.

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O. M. Bishop

O. M. Bishop

cc: Division of Minerals
Mr. Kiilsgaard
Mr. Lamb
Mr. Callaway
F I L E S

RECEIVED
DATE | CODE

August 5, 1958
Re: DMEA 4980
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho
$11,000 - Lead-Zinc-Silver

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicant requested assistance in continuing the exploration of a narrow vein or veins in quartzite on which he has worked for 30 years. Between 1929 and 1952 shipments worth $3,724.19 (gross) were made. The shipments averaged 60 oz. silver and 40% lead per ton.

The examiners found little material of ore grade and none of ore grade and width. The sampling sustains the production history which justifies the recommendation that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

cc: DMEA (3)
D.M. Bishop, 3617
Director's reading
Branch reading
Chron. file
Docket file
NENelson/mm
G-MD-8-5-58

August 5, 1958
Re: DMEA 4980
Alonzo W. Lindeman
Ohio Mine
Blaine County, Idaho
$11,000 - Lead-Zinc-Silver

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

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I concur with the recommendation.

N. E. Nelson

N. E. Nelson

cc: DMEA (3)
D.M. Bishop, 3617
Director's reading
Branch reading
Chron. file
Docket file
NENelson/mm
G-MD-8-5-58

AUG 6 1958
CODE

August 5, 1958
Re: DMEA 4980
Alonzo W. Linderman
Ohio Mine
Blaine County, Idaho
$11,000 - Lead-Zinc-Silver

Memorandum

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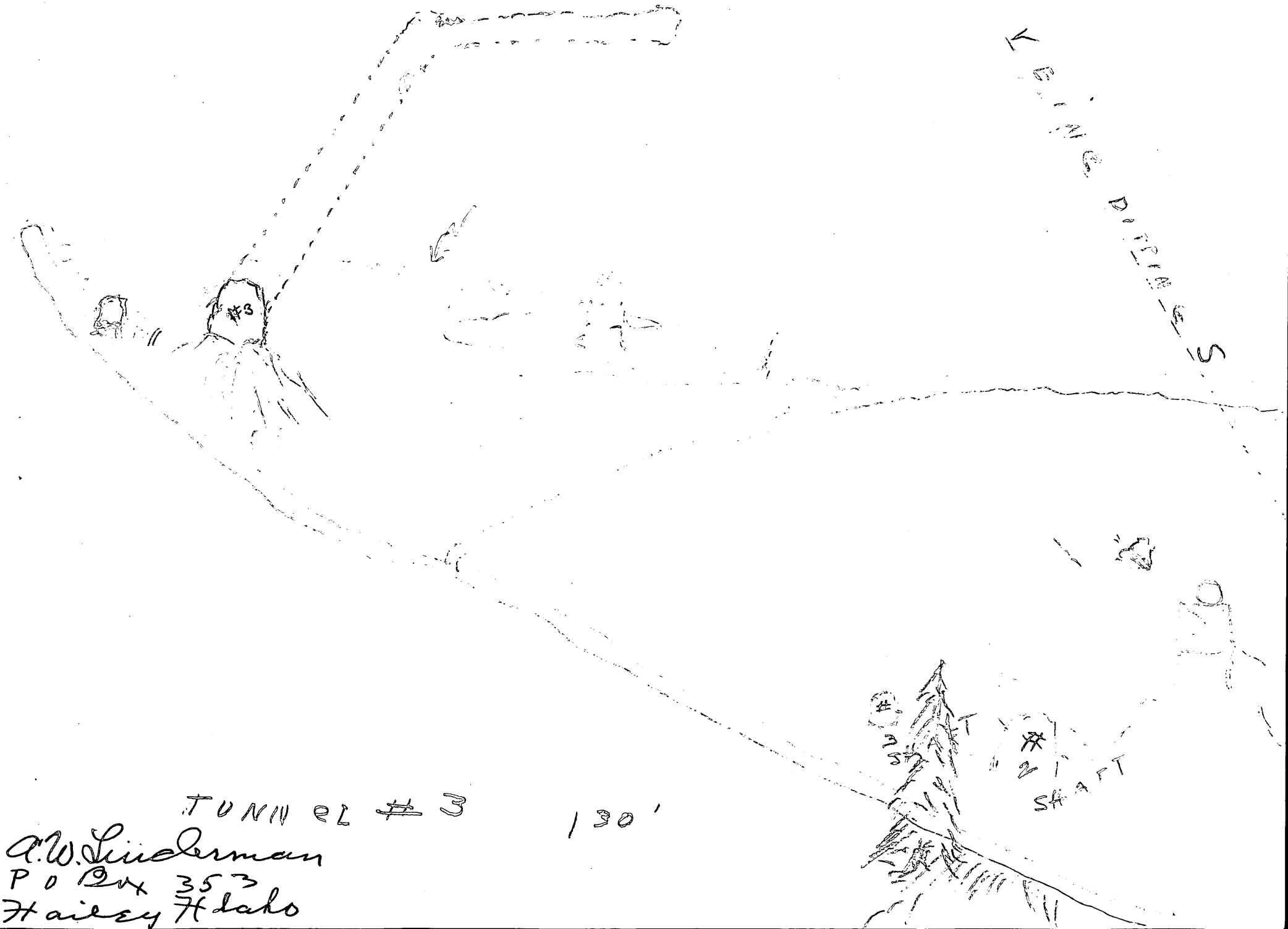
N. E. Nelson

N. E. Nelson

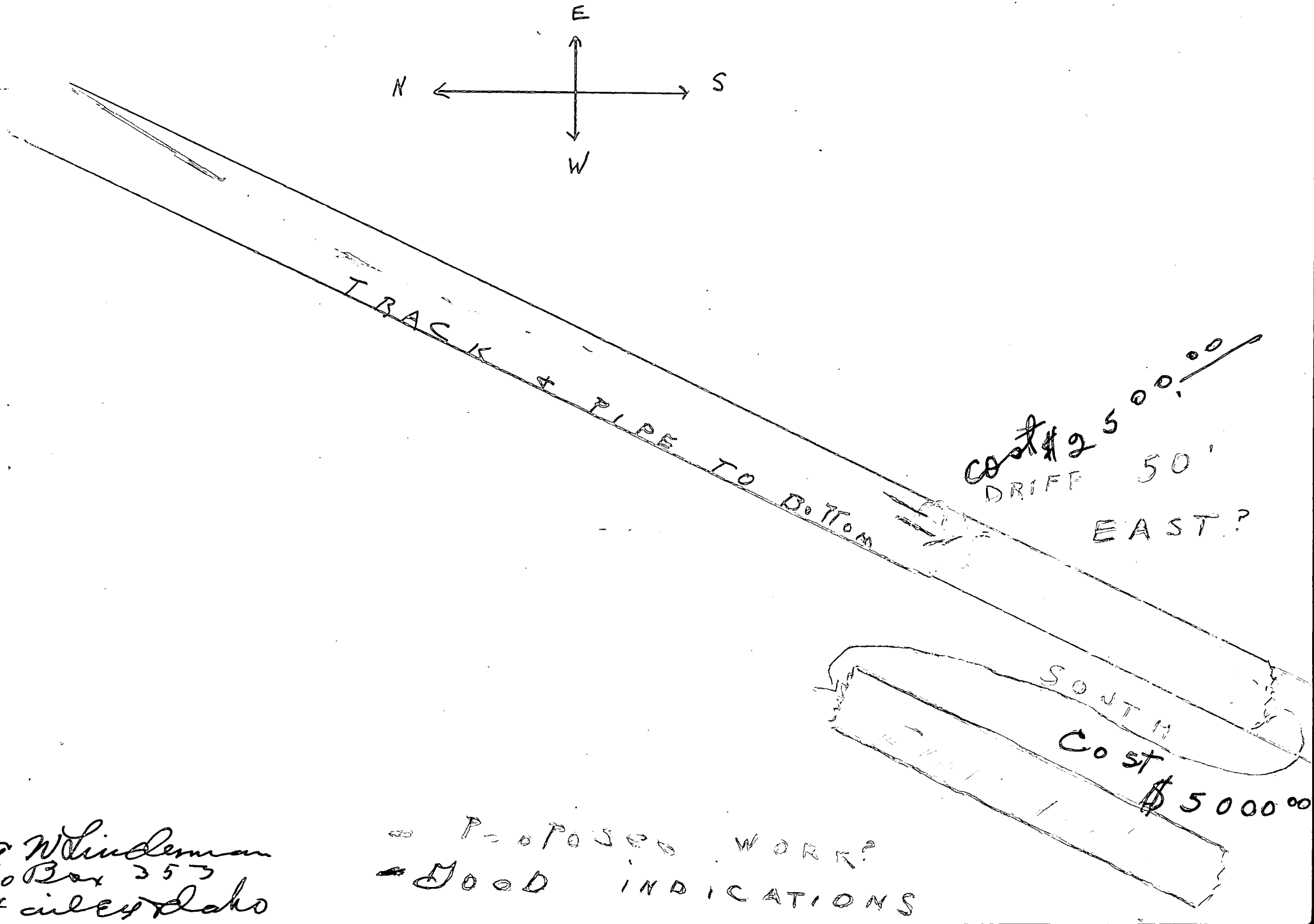
cc: DMEA (3)
J.M. Bishop, 3617
Director's reading
Branch reading
Chron. file
Docket file
NENelson/mm
G-MD-8-5-58

6 Ohio L 69



A.W. Lindeman
P O Box 353
Hailey Idaho

5 OHIO L 69

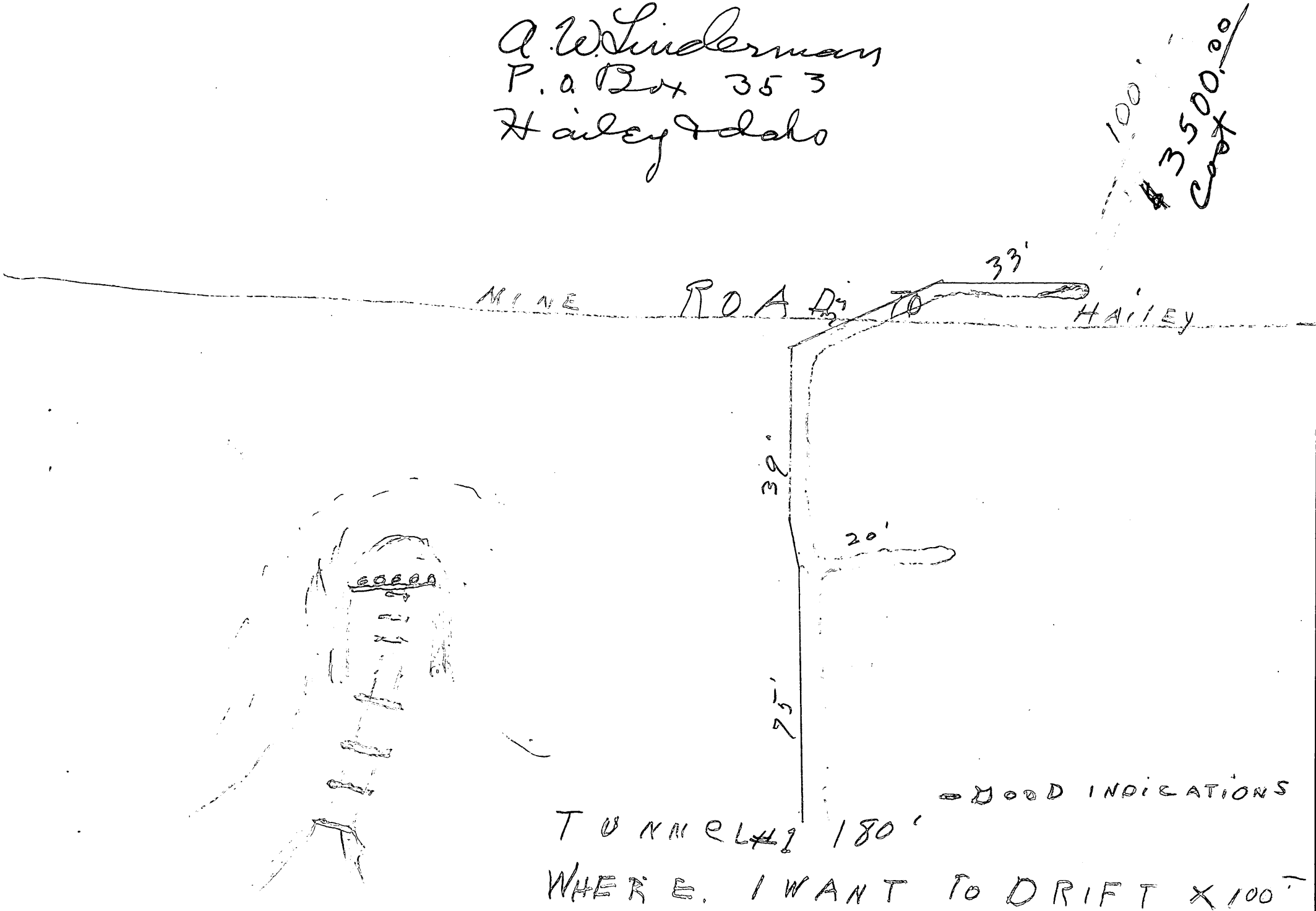


A W Lindeman
PO Box 357
Hailey Idaho

4

OHIO. L 69

A. W. Linderman
P. O. Box 353
Hailey Idaho



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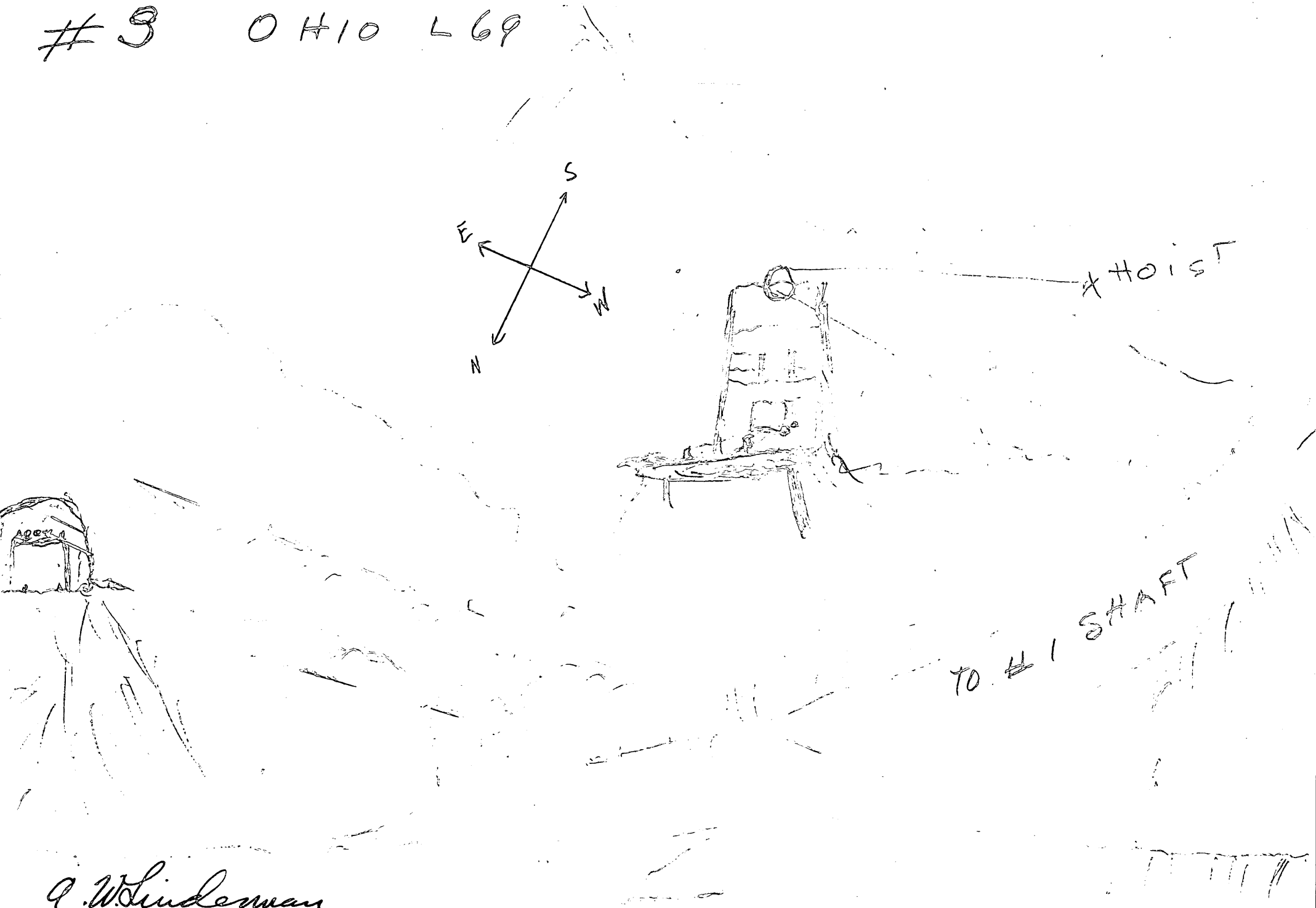


Q. Windeman
P.O. Box 353
Hailey Idaho

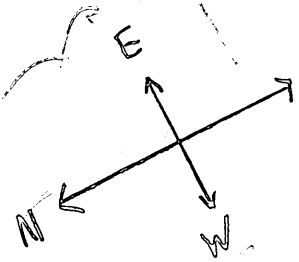
SHAFT #2
ALSO " #3

OFFICIAL FILE COPY
DMEA
RECEIVED APR 14 1958

DATE	[illegible]	CODE

#1 OHIO. L 69

A W Lindeman
P.O. Box 353
Hailey Idaho

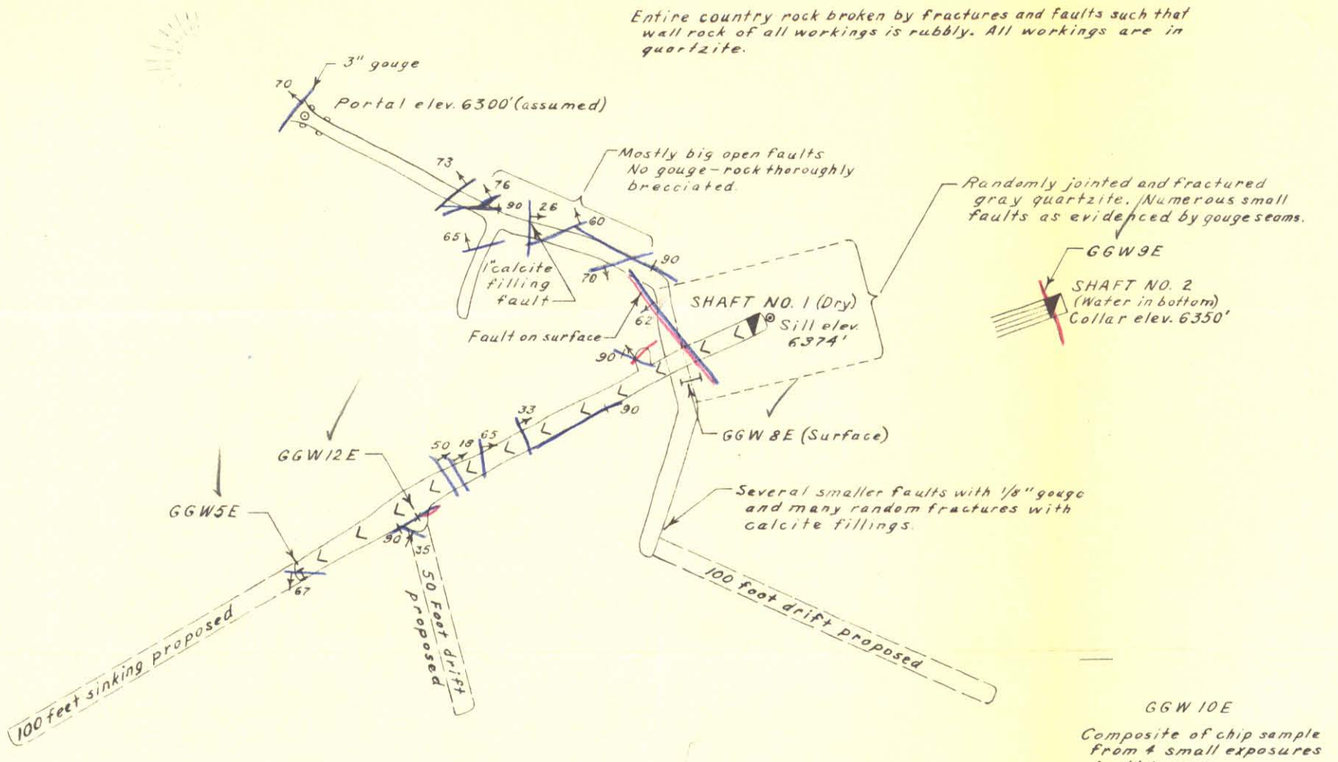


SHAFT TIMBER

149'

RED PEACIL MARKS. OYE
VEINE SHOWS FOLD.
PORTAL OF TUNNEL #4 AT
SHAFT #1. PORTAL

DMFA
RECEIVED
DATE

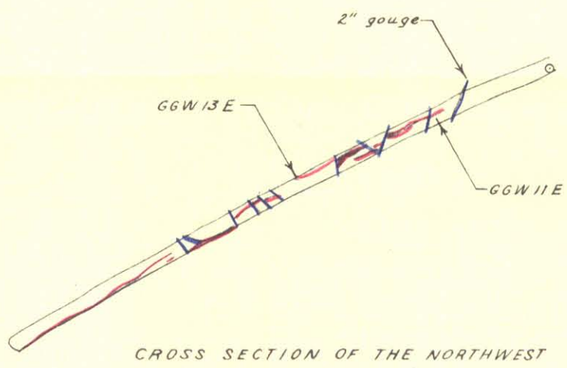


GGW 10E

Composite of chip sample from 4 small exposures in this area.

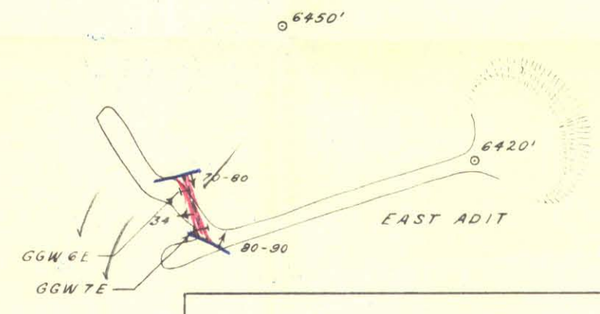
ASSAY DATA

Sample No.	Width (ft)	Pb (%)	Zn (%)	Ag (oz/ton)
GGW 5E	2.3	0.15	0.25	0.6
GGW 6E	2.5	2.70	2.50	1.6
GGW 7E	5.5	1.20	1.90	4.8
GGW 8E	6.0	2.05	0.35	3.5
GGW 9E	0.2	12.25	15.80	16.3
GGW 10E	Chip	3.65	Tr.	4.9
GGW 11E	1.2	7.20	Tr.	16.4
GGW 12E	0.5	0.25	0.50	0.4
GGW 13E	3.5	0.25	Tr.	0.6



CROSS SECTION OF THE NORTHWEST WALL OF SHAFT NO. 1

Scale: 1" = 40'



Brunton and tape traverse by G.G. Waddell and H.F. Albee
Geology by H.F. Albee, 6/9/58

GEOLOGIC MAP
OF THE
OHIO MINE
A.W. Linderman
BLAINE COUNTY, IDAHO

40 0 40 Feet

June 1958

PLATE I