Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1954 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg. Spokane 1, Wash.
Contract Amount, $ 232,950.00 Government Participation: 50% Amount, $ 116,475

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drilling~~ Station		1500.00	1500.00			
~~Bulldozing~~ Sinking		64130.97	64130.97			
Crosscutting						
Drifting		9222.61	9222.61			
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	1682.71	41535.33	43218.04	[illegible]	41535.33	43218.04
Supervision	300.00	9036.00	9336.00	300.00		
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber		8230.58	8230.58			
Explosives		2939.83	2939.83			
Pipe	331.66	1145.03	1476.69	331.66		
Track	460.00	573.94	1033.94	460.00		
Miscellaneous	83.17	4119.80	4202.97	83.17		
Hoist Rope		752.20	752.20			
(4) Operating Equipment:						
Rental						
Purchase		2748.88	2748.88			
Depreciation	321.66	7716.91	8038.57	321.66		
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1528.30	1528.30			
~~Sampling and Analysis~~ Power	270.00	7581.50	7851.50	270.00		
Payroll Taxes	166.54	5322.25	5488.79	166.41	5322.25	5488.66
Liability Insurance Audit	100.00	3312.00	3412.00	100.00		
Transportation		44.30	44.30			
Assaying		25.50	25.50			
(8) Contingencies (specify):						
[illegible]						
TOTALS	3715.74	180547.21	184262.95	3715.86	180547.21	184263.07

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Jan. 10 1955 *Payee Whitedelf Mining & Development Company

Per [signature] Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

1856.93
Equipment 90.00
$ 1766 93

Signature [signature]
(Authorized Certifying Officer)

Date 1-19-55 Vou. No. 1416
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 6189 in accordance with the terms of the contract.

Signature /s/ Webster S Anderson Title Mining Engr. Date 1-14-55

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W Zoldok Title Mining Engr. Date 1-14-55

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form ME-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1954 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	3715.74	90	21178.23	509	41.60	1100	46.00
Crosscutting	Ft.			62619.11	1368			
Raising								
Shafts				76225.49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				160022.83				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2748.88				
Initial Rehabilitation and Repairs				17937.11				
New Buildings, Improvements, etc.								
				3534.13				
TOTAL COSTS				184242.95				

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.

Date Jan. 10, 1955 Operator Whitedelf Mining and Development Company

Per Conflan J. Cohler Title President

REMARKS:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Spokane, Washington
January 5, 1955

Department of the Interior
Bureau of Mines
Defense Minerals Exploration Administration
1201 North Division Street
Spokane, Washington

Gentlemen:

The following progress was ma de at the Whitedelf Mine during the month of December, 1954.

The drift to the south on the Pearl Vein was extended 90 feet. At a point 20 feet behind the face at the end of the month a drill hole was drilled in the hanging wall to prospect the wall. The hole was drilled 5 feet and proved to be barren, at a point 2½ feet from the collar of the hole a broken zone was encountered which made considerable water.

As stated in our last report the amount of water made on the 800 level has been greatly increased with the extended development. It there fore proposed, due to the limited capacity of the present dewatering system, that a turbine pump be procured and installed on the 800 ft. level station.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White

Compton I. White Jr. Pres.

COPY

DMEA Field Team, Region I,
Northwest District

January 1[illegible] 1955

Certifying Officer, Region I

Contract Idm-E189, Whitedelf Mining & Development Co.
Monthly operating report for December 1954.

The subject operating report has been processed for payment. A deletion of $1.75 was made from the amount claimed for labor because of a mathematical error in figuring the wages of G. Detwiler. The payroll taxes were adjusted accordingly.

Myrtle Purdy

cc: DMEA (2)
USGS (1)
Wash. (2) ✓
AD
Engr.

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

1201 N. Division St.
Spokane 2, Washington
December 31, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Whitedelf Mine, Whitedelf Mining & Development Co., Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf mine was visited December 28, 1954, accompanied by Howard Nickelson, geologist, U. S. Geological Survey.

USBM brass tag #412 was placed on a plug in the back at USBM #369 + 368 feet. The face is now at USBM #412 plus 115 feet for an advance of 60 feet since the previous inspection, and a total advance in the south drift of 734 feet.

The drift is in the footwall of the structure with the footwall strand being carried along the southeast wall of the drift. The vein material is brecciated and does not stand well.

At the time of the previous inspection the structure was tight but has now opened up and looks more favorable for localization of an ore deposit.

The Operator has maintained a constant rate of advance and work standards are good.

W. S. Anderson
W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

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

1201 N. Division St.
Spokane 2, Washington
December 13, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Docket No. DMEA 255 (lead), Whitedelf Mining & Development Co., Whitedelf Mine, Bonner County, Idaho, Contract No. Idm-E189

The Whitedelf mine was visited December 7, 1954. Mr. Compton I. White, Jr., president of the Whitedelf Company, was at the property during the inspection.

The south drift has been advanced 79 feet since the previous inspection, for a total advance to the south of 674 feet. The attached maps show the total advance completed on the project to date.

The projected location of the south ore body is approximately 425 feet southwest of the face as shown on plate 2 of the attached maps. At a distance of 38 feet from the face there was from 1½ to 3 inches of galena in the back for a strike length of 4 feet. The hanging wall of the Pearl vein is exposed in the back of the drift and at the face. The vein dips 70° to the southeast and strikes approximately S. 31° W. The structure at the face is tight with no gouge material evident. Several small stringers of siderite were noted in the face. The siderite stringers were in the footwall and parallel to the hanging wall. No ore minerals were noted.

The lower workings were inspected at 8:00 A.M. to ascertain if the air was bad. Approximately 90 feet back from the face the air was dead and contained some powder fumes, but at the face the air was good as the miners open the air valve as soon as they come on shift. Three hours were spent underground and no ill effects were noted.

The miners have maintained a steady rate of advance and good work standards are adhered to.

W. S. Anderson
W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

F-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
DEC 2 3 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1954 Docket No. DMEA 2[illegible] Contract No. [illegible] 100
Operator's Name Mitchell Mining Development Co. Minerals [illegible]
Address 401 Empire State Bldg., Spokane, Wash.
Contract Amount, $ 232,950.00 Government Participation: 50 % Amount, $ 110,470.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drilling~~ Diamond		1500.00	1500.00			
~~Bulldozing~~ Sinking		64130.97	64130.97			
Crosscutting		9232.61	9232.61			12/29/54 J.W.G.
Drifting						
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	1[illegible]6.11	32231.22	41555.33	1554.11		
Supervision	300.00	8736.00	9036.00	300.00		
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	224.80	6005.73	6230.53	224.80		
Explosives		2939.03	2939.03			
Pipe	38.95	1106.05	1145.00	38.95		
Track		673.04	673.04			
Miscellaneous	6.78	4113.02	4119.80	6.78		
Blasting		752.20	752.20			
(4) Operating Equipment:						
Rental						
Purchase		3748.00	3748.00			
Depreciation	321.66	7395.25	7716.91	321.66		
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1520.30	1520.30			
Sampling and Analysis Other	294.00	7207.50	7501.50	294.00		
Payroll Taxes	123.85	5199.92	5323.10	123.85		
~~Liability~~ Insurance Audit	100.00	3212.00	3312.00	100.00		
Transportation		44.30	44.30			
Assaying		25.50	25.50			
(8) Contingencies (specify):						
			121		1[illegible]	
TOTALS	2964.65	177583.60	180548.25	2964.65	177583.60	180548.25

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Nov. 10, 1954 Payee Mitchell Mining and Development Co.

Per Douglas Jewell Title President

*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.

→ 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.

(Instructions on reverse)

approved 1482.07
Equipment ded. 97.00
1385.07

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$1385.07

Signature M.O.P.
(Authorized Certifying Officer)

Date 12/16/54 Vou. No. 1384
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature 1st Webster S Anderson Title Mining Engr Date 12/10/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 1st Stephen W Zoldok Title Mining Engr Date 12/10/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 23 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 195 4 Docket No. DMEA 2008 Contract No. 20a 199
Operator's Name Mitscofff Mining & Development Co. Minerals and
Address 401 Empire State Bldg., Spokane, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	FT	3965.56	97	17603.42	419	41.97		
Crosscutting	FT			82019.11	1300			
Raising								
Shafts				76233.40				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				166850.02				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2740.38				
Initial Rehabilitation and Repairs				17037.11				
New Buildings, Improvements, etc.				3504.13				
TOTAL COSTS				190131.14				

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.

Date Dec. 10, 1954 Operator Mitscofff Mining and Development Co.

Per Douglas Jewell Title President

REMARKS:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Bureau of Mines
Defense Minerals Exploration
RECEIVED
DEC 23 1954

Spokane, Washington
December 9, 1954

Department of the Interior
Bureau of Mines
Defense Minerals Exploration Administration
1201 North Division Street
Spokane, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of November, 1954.

The drift to the south on the Pearl Vein was extended 37 feet. Considerable siderite mineralization was encountered in the course of the drifting. Just ahead of Station 412 A short stringer of galena, 1½" to 3" in width, was encountered.

As the drift to the south is extended the amount of water made has been approximately doubled in the last 300 feet of drift.

The work continues with a minimum of difficulties.

Sincerely,

Whitedelf Mining and Development Co.

Compton F. White Jr.

Compton F. White Jr.

COPY

Department of the Interior
Defense Minerals Administration
RECEIVED
DEC 20 1954

DMEA Field Team, Region II

December 17, 1954

DMEA Certifying Officer Region II

Whitedelf Mining & Development Co., Monthly Operating Report for November 1954. Contract Idm-E189.

The subject monthly report has been processed for payment.

An amount of $0.41 has been deducted from the amount claimed by the operator. This represents an error in figuring the payroll taxes.

Myrtle Purdy

cc: DMEA
USGS
WASH.
AD

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
November 18, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Whitedelf Mine, Whitedelf Mining & Development Co., Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf mine was visited November 9, 1954 accompanied by Howard Nickelson, geologist, U. S. Geological Survey. There were five men employed at the property - 2 miners, skip tender, hoistman and trammer. The miners stopped work at noon because of bad air at the face.

The recent advance was mapped and the geology will be discussed in Mr. Nickelson's report. Advance for the month of October was 90 feet. A short crosscut was driven to the northwest near the face for a switch to facilitate tramming.

It was noted that the air was not clear of powder odors from the previous shift round. This was discussed with Mr. Compton I. White, Jr. and he stated that he was going to install fan bags to provide circulation of air at the face.

The Operator has installed a new hoist cable. This matter was discussed in the report of October 11, 1954.

The miners have maintained an advance of approximately 5 feet per shift. Good work standards have been maintained.

W. S. Anderson
W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

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

November 23, 1954

Memorandum

To: DMEA Field Team, Region II

From: Howard B. Nickelson, Geologist, U. S. Geological Survey

Subject: Routine inspection, Docket No. DMEA-255 (lead), Whitedelf mine, Bonner County, Idaho, Contract No. Idm-E189

The property was visited on November 9, 1954. Mr. W. S. Anderson, Bureau of Mines, assisted the examiner in mapping the geology of advance from August 27, 1954.

The drift has been following the Pearl vein structure to a point about 48 feet from the present face where the operator has turned the drift to the right and is now following a minor footwall strand of the vein structure, as shown on the enclosed map.

It was suggested to the operator that the drift be turned to the left so it would follow the Pearl vein structure.

Mr. Anderson will submit a separate report.

The attached map can be fitted to the map accompanying the April 15, 1954, routine inspection report.

Enclosure

Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Nickelson

Form M-4131 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.5

Defense Minerals Administration
RECEIVED
DEC 16 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1954 Docket No. DMEA 266X Contract No. Idm 109
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg. Spokane 1, Wash.
Contract Amount, $ 232,250.00 Government Participation: ____% Amount, $ 110,475.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						All Betty
~~Drilling~~ Station		1500.00	1500.00			
~~Bulldozing~~ Sinking		64130.97	64130.97			
Crosscutting		9222.61	9222.61			
Drifting						
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	1602.94	38578.28	39981.22			
Supervision	300.00	3436.00	3736.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	508.00	7497.78	8005.78			
Explosives	409.00	2530.83	2939.83			
Pipe		1106.09	1106.09			
Track		573.94	573.94			
Miscellaneous	256.11	3856.91	4113.02			
Joist Pons	262.90	489.30	752.20			
(4) Operating Equipment:						
Rental						
Purchase		2748.88	2748.88			
Depreciation	321.66	7073.59	7395.25			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	36.10	1492.20	1528.30			
~~Sampling and Analysis~~ Power	300.00	6927.50	7227.50			
Payroll Taxes	136.15	5063.77	5198.92	134.63	5063.77	5198.40
~~Liability Insurance~~ Auditing	100.00	3112.00	3212.00			
Transportation		44.30	44.30			
Assaying		26.50	26.50			
(8) Contingencies (specify):						
					[illegible]	[illegible]
TOTALS	4231.36	173351.72	177583.08	4231.34	173351.72	177583.06

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Nov. 22, 1954 Payee Whitedelf Mining and Development Co.

Per Conglo Jahle Title President

Equipment 2115.67 98.00 2023.67

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of: $2023 67

Signature Myrtle D. Purdy (Authorized Certifying Officer)

Date 12/10/54 Vou. No. 1872 (See other side)

*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.

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.

(Instructions on reverse)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Engr Date 12/1/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldoh Title Mining Engr Date 12/8/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MM-104A
(April 1952)

Budget Bureau No. 42-R1151.2

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
DEC 16 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1954 Docket No. DMEA 2553 Contract No. IGn 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg. Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft	4231.36	92	14498.06	322	45.06		
Crosscutting	Ft		1368	62619.11				
Raising								
Shafts				76225.49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				153343.46				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2748.39				
Initial Rehabilitation and Repairs				17937.11				
New Buildings, Improvements, etc.								
				3504.13				
TOTAL COSTS				177533.59				

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.

Date Nov. 22, 1954 Operator Whitedelf Mining and Development Co.

Per [signature] Title President

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.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Clarkfork, Idaho
November 26, 1954

Department of the Interior
Bureau Of Mines
Defense Minerals Exploration Administration
1201 North Division Street
Spokane, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine During the month of October, 1954.

The drift to the south on the Pearl Vein was extended 92 feet of this drift 15 feet was expended in driving a crosscut into the footwall to provide room for switching cars and to examine the structure. The cross-cut was approximately 80 feet from the face at the end of the period.

The vein exhibits a distinct wall that has been followed but is a some times accompanied by parallel walls on both the feet wall and hanging wall sides. A small amount of mineralization was encountered in the first few rounds during the period in the form of knife thin stringers of sphalerite and galena in the hanging wall portion of the vein.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr.

Compton I. White Jr., Pres.

DMEA Field Team, Region II

December 13, 1954

DMEA Certifying Officer, Region II

Contract Idm-8189, Whitedelf Mining & Development Co.
Monthly Operating Report for October 1954.

The subject report has been received and processed for payment.

One deletion in the amount of $0.52 was made. This amount was deducted because of an error in figuring the payroll taxes.

Myrtle Purdy

cc: Wash.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
October 11, 1954

DEPARTMENT OF THE INTERIOR
Bureau Mines Administration
RECEIVED
NOV 8 - 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Whitedelf Mine, Whitedelf Mining & Development Co., Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf mine was visited October 6, 1954. Mr. White, president of the company, was at the property during the visit.

Advance since the inspection of August 12, 1954 was mapped. The face of the south drift is at USBM #369 + 249 for an advance of 60 feet since the previous inspection. The drift was advanced 40 feet on a bearing of S. 20° W. and was then driven 20 feet on a bearing of S. 43° W.

The vein at the face was 7 feet wide and dips 70° to the southeast. There is approximately 1" of gouge on both walls of the vein structure with the vein material consisting of fractured argillite. No sulphide minerals were discernible in the face.

Mr. White asked if he could drive a crosscut to the northwest starting approximately 20 feet southwest of the present face. It was recommended to him that he continue drifting on the structure but that a short crosscut could be driven for a switch to expedite tramming of the muck from the face.

Work completed to date under the contract consists of shaft sinking, 413 feet; crosscutting, 311 feet; drifting to the north from the main crosscut, 774 feet; drifting to the south from the main crosscut, 505 feet.

The hoist rope has not been replaced as was mentioned in my memorandum of September 21, 1954. Mr. White was informed that a new hoist rope must be installed immediately as the Government will not contribute to costs of exploration in which safe operating procedures are not followed.

Orig. & 3 cys - Wash.
USGS (2)
DMEA--M/D--AD--WSA/he
L. H. McGuire, Safety Div., Seattle

W. S. Anderson

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.4
Approval Expires [illegible]

DEPARTMENT OF THE INTERIOR
Bureau of Mines
RECEIVED
NOV 8 - 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of [illegible], 1954 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $ [illegible] Government Participation: 50% Amount, $ [illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
						11/10/54. J.W.G.
(1) Independent Short Form Contracts:						
~~Drilling~~ [illegible]		1500.00	1500.00		1500.00	1500.00
~~Bulldozing~~ [illegible]		64130.97	64130.97		64130.97	64130.97
Crosscutting						
Drifting		9222.61	9222.61		9222.61	9222.61
[illegible]		10175.17	10175.17		10175.17	10175.17
(2) Labor and Supervision:						
Labor	1067.24	37741.84	38808.08	1636.44	36741.84	38378.28
Supervision	800.00	8136.00	8936.00	300.00	8136.00	8436.00
Technical Services	[illegible]	122.91	122.91		122.91	122.91
(3) Operating Mat'ls. and Supplies:						
Timber		7497.78	7497.78		7497.78	7497.78
Explosives	350.83	2191.45	2542.28	339.38	2191.45	2530.83
Pipe		1106.08	1106.08		1106.08	1106.08
Track		573.94	573.94		573.94	573.94
Miscellaneous	62.12	3794.79	3856.91	62.12	3794.79	3856.91
[illegible]		489.30	489.30		489.30	489.30
(4) Operating Equipment:						
Rental						
Purchase		2748.88	2748.88		2748.88	2748.88
Depreciation	363.33	6710.26	7073.59	363.33	6710.26	7073.59
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	24.59	1467.61	1492.20	24.59	1467.61	1492.20
~~Sampling and Analysis~~ [illegible]	225.00	6762.50	6987.50	225.00	6762.50	6987.50
Payroll Taxes	175.04	4888.73	5063.77	175.04	4888.73	5063.77
~~Liability Insurance~~ [illegible]	100.00	3012.00	3112.00	100.00	3012.00	3112.00
[illegible]		44.30	44.30		44.30	44.30
[illegible]		25.50	25.50		25.50	25.50
(8) Contingencies (specify): [illegible]	4.90		4.90	4.90		4.90
		[illegible]	[illegible]		[illegible]	[illegible]
TOTALS	[illegible]	170120.98	175820.03	3230.74	170120.98	173351.72

I certify that the above bill is correct and just and that payment therefor has not been received.

Date [illegible] Payee [illegible] and Development Co.

Per Compton Whitt Title President

*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.

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.

(Instructions on reverse)

approved
1615.37
150.00
1465.37
Aug. & Sept. - Equipment deducted

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

1615.37
150.00
$ 1465.37

Signature [illegible]
(Authorized Certifying Officer)

Date 11/3/54 Vou. No. 1340
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature 15/ Stephen W Zoldok Title Mining Engr Date 10/27/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature 15/ Stephen W Zoldok Title Mining Engr Date 10/27/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MMR-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 8 - 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1954 Docket No. DMEA 2557 Contract No. Idm 139
Operator's Name Whitedelf Mining & Development Company Minerals Lead
Address 401 Empire State Bldg. Spokane 1, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft	3300.65	75	10435.91	250	45.37	1500	40.00
Crosscutting	Ft			12010.11	1300	46.35	1100	52.50
Raising								
Shafts				76225.49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				140260.51				Total Costs Authorized by Contract
Operating Equipment Purchased				2740.88				
Initial Rehabilitation and Repairs				17937.11				
New Buildings, Improvements, etc.								
Station				5656.13				
Total Costs				176520.63				

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.

Date Oct. 11, 1954 Operator Whitedelf Mining and Development Co.

Per Compton H. White Title President

Remarks:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 8 - 1954

October 11, 1954

Department of the Interior
Bureau of Mines
Defense Minerals Exploration Admn.
1201 North Division Street
Spokane 2, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of September, 1954.

The drift along the Pearl Vein south of the 800 foot level station was extended 75 feet. The footwall structure continues to show considerable alteration.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr.

Compton I. White Jr., Pres.

COPY

DMEA Field Team, Region II

November 4, 1954

DMEA Certifying Officer, Region II

Contract Idm-K189, Whitedelf Mining & Development Co.
Monthly Operating Report for September 1954.

The subject report has been processed and forwarded to the Disbursing Officer at Portland for payment. Net deletions totaling $168.91 have been made from the amount of $3,399.65 claimed by the operator. Deletions and reinstatements are explained below.

Wages of Harold Rounsville						
August 1954:						
Claimed						
80	hours @	$1.7925	$143.40			
96	" "	1.85	175.60*	($177.60)		
6	hrs. O.T. @	2.6925	14.15*	(16.15)		
1	hr. O.T. @	2.78	2.78		$335.95	
Approved						
80	hrs. @	1.7925	$143.40			
96	hrs. @	1.7925	172.08			
7	hrs. O.T. @	2.6925	18.85		334.33	
Difference						$ 1.60
September 1954:						
Claimed						
160	hours @	1.85	$296.00			
Approved						
160	hours @	1.7925	286.00			
Difference						9.20
Payroll tax adjustment on above deletions						1.01
Power deletion - prorated at $3.00 per foot of advance						162.00
Total Deletions						$173.81
Reinstated - amount over $46/ft. of advance which was deducted from July 1954 MF-104						4.90
Net Deletion - September 1954 MF-104						$168.91

*Mathematical errors in amount claimed.

cc: DMEA (2)
USGS (2)
Wash. (2) ✓

Myrtle Purdy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

1201 N. Division St.
Spokane 2, Washington
September 21, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Whitedelf Mine, Bonner County, Idaho, Contract No. Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf mine was visited September 15, 1954. There were five men working at the property at that time.

The work completed in the south drift on the 800 level, since the visit of August 12, 1954, was inspected and mapped. The face of the south drift was at USBM #369 + 189' for an advance of 80.5' since the previous inspection. The drift was advanced on a bearing of S. 31° W. The vein at the face is dipping 67° to the southeast with a slight change in strike to the east, which will necessitate swinging the drift to the east to follow the structure.

The miners are now pulling an average of 4½' per shift and are using 100 sticks of 45% Illinois Powder Co. Gold Medal powder per round for a powder usage of 7.3# per foot of advance.

The miners informed me that Mr. George McDowell, Idaho State Mine Inspector, and his assistant, Mr. Ted Bush, had examined the Whitedelf mine for safety hazards. The miners stated Mr. McDowell had recommended that a separate signal should be installed for the phone from the hoist room to the 800 level instead of using the hoist bell cord for a phone signal. Also, he recommended that the hoistman should have a physical examination.

The hoist rope should be replaced as considerable wear was noted on the outer strands. This was discussed with the hoistman and he stated that they had examined the rope and were going to replace it.

The miners are maintaining a satisfactory advance in the south drift of the 800 level. Work standards are good.

W. S. Anderson

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D--AD--WSA/he
L. H. McGuire, Safety Div., Seattle

The deduction of $1.00 per foot of drifting for equipment purchase will be made from the next MF-104 submitted.

Form MI[illegible] (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1954 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Washington
Contract Amount, $ 232,950.00 Government Participation: 50 % Amount, $ 116,475.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Station		1500.00	1500.00			
Bulldozing Sinking		64130 97	64130 97			
Crosscutting						
Drifting		9222 61	9222 61			
Rehabilitation		10175 17	10175 17			
(2) Labor and Supervision:						
Labor	1956.04	34785 80	36741 84			
Supervision	300 00	7836 00	8136 00			
Technical Services		122 91	122 91			
(3) Operating Mat'ls. and Supplies:						
Timber		7497 78	7497 78			
Explosives	194 57	1996 88	2191 45			
Pipe		1106 08	1106 08			
Track		573 94	573 94			
Miscellaneous	64 29	3730 50	3794 79			
Hoist Rope		489 30	489 30			
(4) Operating Equipment:						
Rental						
Purchase		2748 88	2748 88			
Depreciation	363 33	6346 93	7710 26	363.33	6346.93	6710.26
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	51 17	1416 50	1467 67			
Sampling and Assaying Power	187 00	6575 50	6762 50			
Payroll Taxes	204 46	4684 27	4888 73			
Liability Insurance Auditing	100 00	2912 00	3012 00			
Transportation		44 30	44 30			
Assaying		25 50	25 50			
(8) Contingencies (specify):						
Deductions (development work)		[illegible]	[illegible]		[illegible]	[illegible]
Totals	3420 86	166700 12	170120 98	3420.86	166700.12	170120.98

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Sep. 23, 54 *Payee Whitedelf Mining and Development Co.

Per Compton J. White Title President

*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.

→ 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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1710 43

Signature MOP
(Authorized Certifying Officer)

Date 10/11/54 Vou. No. 1311
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 189 in accordance with the terms of the contract.

Signature /S/ Webster Sanderson Title Mining Engr Date 10/4/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Foldok Title Mining Engr Date 10/4/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-[illegible]4A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1954 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft	3420.86	75	69655 37	1523	45.74		
Crosscutting								
Raising								
Shafts				76225 49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				145880 86				Total Costs Authorized by Contract
Operating Equipment Purchased				2748 88				
Initial Rehabilitation and Repairs				17937 11				
New Buildings, Improvements, etc. Station				3554 13				
Total Costs				170 120 98				

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.

Date Sep. 23, 54 Operator Whitedelf Mining and Development Co.

Per [signature] Title President

Remarks:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Department of the Interior
Bureau of Mines
Defense Minerals Exploration Admn.
1201 N. Division Street
Spokane 2, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of August 1954:

The drift on the south side of the 800 foot level station was extended 75 feet to the south. The vein continues to show extensive movement with a little sphalerite and siderite mineralization. The footwall structure at the present face shows some disturbance in the form of slips coming out of the foot wall structure.

With the exception of the required timbering the drifting is progressing in a desireable manner.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr.

Compton I. White Jr., Pres.

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

1201 N. Division St.
Spokane 2, Washington
August 25, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Whitedelf Mine, Bonner County, Idaho, Contract No. Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf mine was visited August 12, 1954 accompanied by Chin Ran Lou, foreign trainee from Formosa. Mr. Compton I. White, Jr. accompanied the examiners on an inspection of exploration work in progress on the 800 level.

The face of the south drift is at USBM #369 + 108.5' for an advance of 33.5' since the previous inspection of July 21, 1954. At USBM #369 + 97' the Operator drove a crosscut 17' N. 87° W. to determine if he was in the footwall of the structure. In the face of the crosscut the bedding strikes north-south and dips 24° to the east, and it seems apparent that the footwall of the structure is being followed by the drift. The Operator was planning on continuing the crosscut but it was recommended to him that he discontinue advance in this heading and continue the drift to the southwest.

A sketch is attached showing the advance from USBM #369 to the face.

Work completed under the exploration project to date is as follows:

Shaft sinking	413 feet
Crosscutting	311 feet
Drifting to south from main crosscut	386 feet
Drifting to north from main crosscut	774 feet

The Operator has discontinued mining in the northeast stope and was indefinite as to his future plans for development of and mining the ore shoot. The ore occurs in pods or lenses in the vein, and an

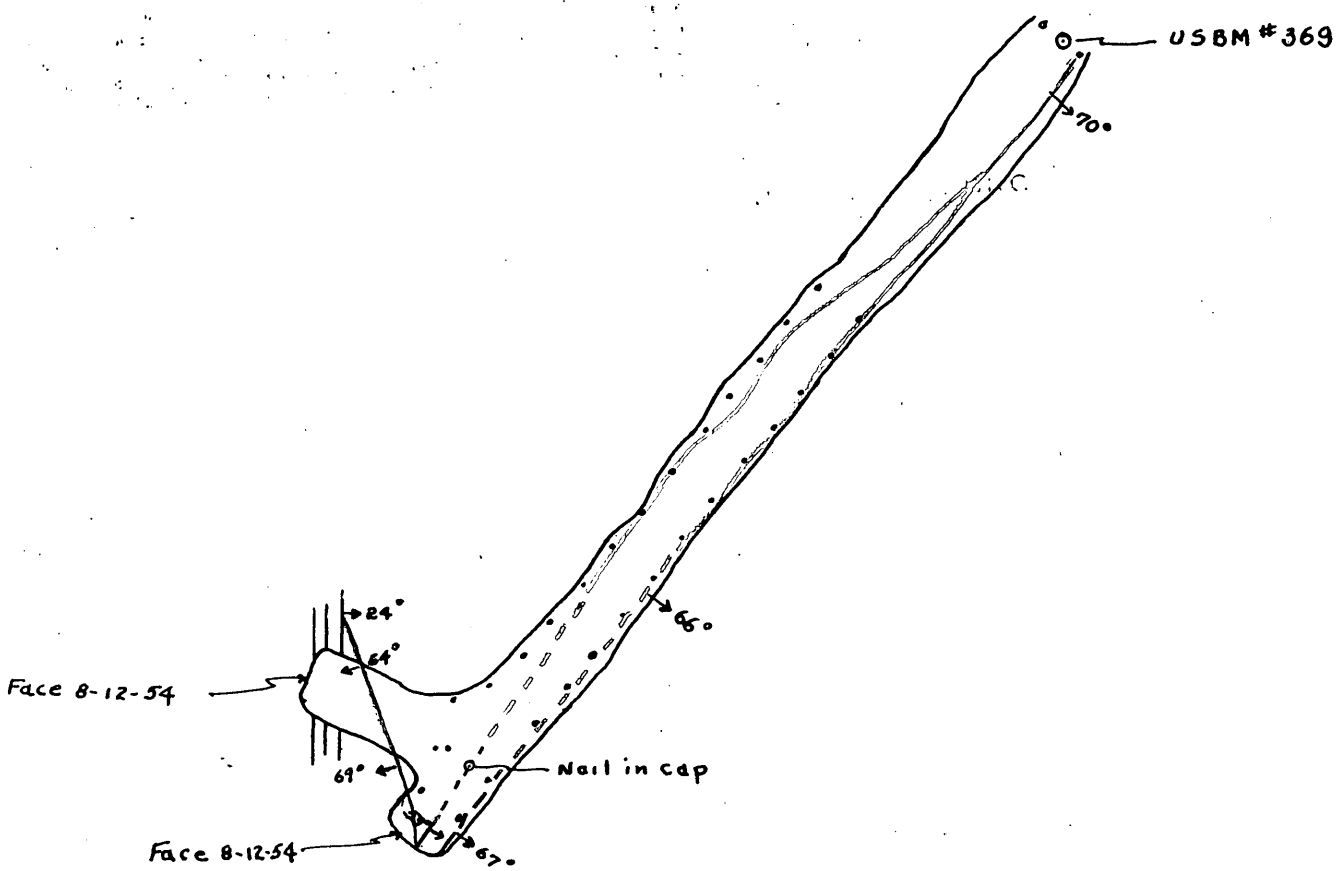
exploration raise should be driven from the 800 to the 600 level before actual mining starts, to determine if it would be economically feasible to mine the deposit.

At the time of the inspection there were 7 men employed at the property working one shift a day. The miners are now working on day's pay instead of a contract basis, with a resultant drop in the rate of advance from 5' per shift to approximately 3' per shift.

The miners are maintaining good standards of work in their advance.

W. S. Anderson

Origl & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he



MITTDELF MINE,
BLAINE COUNTY, IDAHO
ROPCO No. 225
CONTRACT Idx. B- 189

Scale 1" = 20'

Form ME-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 10 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1954 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co Minerals Lead
Address 401 Empire State Bldg, Spokane 1, Wash.
Contract Amount, $232,950.00 Government Participation: 50 % Amount, $116,475.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						9/15/54 J.W.A.
Drilling Station		1,500.00	1,500.00		1500.00	1500.00
Bulldozing Sinking		64 130 97	64 130 97		64130.97	64130.97
Crosscutting						
Drifting		9 222 61	9 222 61		9222.61	9222.61
Rehabilitation		10 175 17	10 175 17		10175.17	10175.17
(2) Labor and Supervision:						
Labor	1866 12	32 919 68	34 785 80	1866.12	32919.68	34785.80
Supervision	300 00	7 536 00	7 836 00	300.00	7536.00	7836.00
Technical Services		122 91	122 91		122.91	122.91
(3) Operating Mat'ls. and Supplies:						
Timber		7 497 78	7 497 78		7497.78	7497.78
Explosives		1 996 88	1 996 88		1996.88	1996.88
Pipe		1 106 08	1 106 08		1106.08	1106.08
Track		573 94	573 94		573.94	573.94
Miscellaneous	37 10	3 693 40	3 730 50	37.10	3693.40	3730.50
Hoist Rope		489 30	489 30		489.30	489.30
(4) Operating Equipment:						
Rental		∅				
Purchase		2 748 88	2 748 88		2748.88	2748.88
Depreciation	363 33	5 983 60	6 346 93	363.33	5983.60	6346.93
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	70 73	1 345 77	1 416 50	70.73	1345.77	1416.50
~~Sampling and Analysis~~ Power	315 00	6 260 50	6 575 50	315.00	6260.50	6575.50
Payroll Taxes	172 85	4 511 42	4 684 27	172.85	4511.42	4684.27
~~Liability Insurance~~ Auditing	100 00	2 812 00	2 912 00	100.00	2812.00	2912.00
Transportation		44 30	44 30		44.30	44.30
Assaying		25 50	25 50		25.50	25.50
Claim [illegible] 4/6/54				4.10		
(8) Contingencies (specify):						
30 ft. deducted was for development work instead of exploration						
TOTALS	3225 13	163 479 89	166 705 02	3220.23	163479.89	166700.12

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug. 12, 54 *Payee Whitedelf Mining and Development Co.

Per Charles [illegible] Title President

*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.

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.

(Instructions on reverse)

1610.12
Less deduction for Equipment 70.00
Net to operator 1540.12

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$1540 12

Signature M.S.P.
(Authorized Certifying Officer)

Date 9/3/54 Vou. No. 1270
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature Webster S. Anderson Title Mining Engr Date 8/17/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Stephen W. Goldoft Title Mining Engr Date 8/18/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MR-101A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 10 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1954 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name Whitedelf Mining and Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft	3225 13	70	66 239 41	1448	45.74½	1100 1500	52.50 46.00
Crosscutting								
Raising								
Shafts				76 225 49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				142 464 90				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2 748 88				
Initial Rehabilitation and Repairs				17 937 11				
New Buildings, Improvements, etc.								
Station				3 554 13				
TOTAL COSTS				166 705 02				

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.

Date Aug. 12, 1954 Operator Whitedelf Mining and Development Co.

Per Conglon Jewell Jr. Title President

REMARKS:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
RECEIVED
SEP 10 1954

Spokane, Washington
August 16, 1954

Department of the Interior
Defense Minerals Exploration Admn.
1201 North Division Street.
Spokane 2, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of July, 1954.

The drift along the Pearl Vein to the south was extended 70 feet. No commercial mineralization was disclosed by this drifting. Considerable water was being made near the face at the end of the period and the ground on footwall was quite badly fractured.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr.

Compton I. White Jr., Pres.

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION II

Administrative Audit Difference Statement

Date: Sept. 7, 1954
Payee's
Reference: Docket No. DMEA 259X
Contract Idm-E189, Whitedelf
Mining & Development Co. July
1954 Monthly Operating Report.

DMEA Field Team, Region II
Spokane, Washington

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend their account accordingly;

Amount Claimed	$ $3225.13
Difference	$ 4.90
Amount Approved	3,220.23

The reason for the difference was:

The deletion of $4.90 is the amount claimed in excess of $46.00 per foot of advance allowed by the contract.

Any reclaim for deductions made above must be supported by a copy of this form.

DMEA Certifying Officer, Region II

cc: Wash. (2) ✓

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

1201 N. Division St.
Spokane 2, Washington
July 27, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Whitedelf Mine, Bonner County, Idaho, Contract No. Idm-E189, Docket No. DMEA 255 (lead)

The exploration work in progress on the 800 level of the Whitedelf mine was inspected July 21, 1954, accompanied by Compton I. White, Jr., president of the Whitedelf Mining & Development Company.

The face of the south drift is at USBM #369 + 75' for an advance of 46.5 feet since the previous inspection of May 12, 1954.

The drift was run bald, but continued sloughing of the back and walls necessitated the placing of timbers in the last 40 feet of advance.

The structure being followed by the drift is 5 feet wide at the face with the footwall dipping 85° to the southeast and the hanging wall dipping 79° to the southeast. The structure strikes S. 39° W. The only mineral discernible in the face was some pyrite along a joint plane.

The ventilation in the south drift is poor, and it was recommended to the Operator that mechanical ventilation should be provided.

Mr. White questioned the deletion of $493.75 for explosives from the April MF-104. The powder used per foot of advance was approximately 6.2 pounds. This was based on an average stick count per round of 95 sticks, as obtained from the miners. Mr. White was told that if he could substantiate the $493.75 charge for explosives he could resubmit it on the next MF-104 for payment. It was pointed out to Mr. White that the footage completed times the average of 6.2 pounds of powder per foot of advance would approximately equal the amount of explosives allowed, and the excess was deleted on the April MF-104. At the conclusion of the discussion Mr. White stated that it was possible he may have been in error and that the deletion was justified.

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

W. S. Anderson

C O P Y

$10.00 deducted from payment to Whitedelf because of equipment payment which is to be deducted at the rate of $1.00 per foot of advance.

w

F-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

Minerals Administration
RECEIVED
JUL 30 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1954 Docket No. DMEA 255X Contract No. DMEA 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.
Contract Amount, $ 232,950.00 Government Participation: 50 % Amount, $ 116,475.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drilling~~ Station		1500.00	1500.00			
Bulldozing						
~~Crosscutting~~ Sinking		64130.97	64130.97			
Drifting		9222.61	9222.61			
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	254.04	32665.64	32919.68			
Supervision	36.00	7500.00	7536.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber		7497.78	7497.78			
Explosives		1996.88	1996.88			
Pipe		1106.08	1106.08			
Track		573.94	573.94			
Miscellaneous		3695.40	3695.40			
Hoist Rope		489.30	489.30			
(4) Operating Equipment:						
Rental						
Purchase		2748.88	2748.88			
Depreciation	43.61	5939.99	5983.60			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1345.77	1345.77			
~~Sampling and Assay~~ Power	25.00	6235.50	6260.50			
Payroll Taxes Auditing	24.52	4486.90	4511.42			
~~Liability Insurance~~	12.00	2800.00	2812.00			
Transportation		44.30	44.30			
Assaying		25.50	25.50			
(8) Contingencies (specify):						
30 ft. deducted was for development instead of exploration						
TOTALS	395.17	163084.72	163479.89	395.17	163084.72	163479.89

I certify that the above bill is correct and just and that payment therefor has not been received.

Date July 14, 54 Payee Whitedelf Mining and Development Co.

Per Compton Jewell Title President

*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.

→ 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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

197.59
-10.00 - pmt on Equipment.
187.59

$ 187.59

Signature MJP
(Authorized Certifying Officer)

Date 7/26/54 Vou. No. 1238
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature /s/ Webster A. Anderson Title Mining Engr. Date 7/19/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W. Zoldak Title Mining Engr. Date 7/19/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
JUL 30 1954

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1954 Docket No. DMEA 255 X Contract No. Idm 139

Operator's Name Whitedelf Mining & Development Co. Minerals Lead

Address 401 Empire State Bldg., Spokane 1, Wash

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT: Units	AUTHORIZED BY CONTRACT: Unit Costs
Drifting	Ft	396.17	10	63014.28	1378	45.72		
Crosscutting								
Raising								
Shafts				76225.49	413	184.14		
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				139239.77				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2748.28				
Initial Rehabilitation and Repairs				17957.11				
New Buildings, Improvements, etc.								
Station				3554.13				
TOTAL COSTS				163479.89				

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.

Date July 14, 54 Operator Whitedelf Mining and Development Co.

Per Conyler Jerhart Title President

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.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 30 1954

Spokane, Washington
July 14, 1954

Department of the Interior
Bureau of Mines,
Defense Minerals Exploration Admn.
1201 North Division Street,

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of June, 1954.

A total of 10 feet of drifting was completed during the month, this drifting was done in starting the exploration drift to the south again under our amended contract. One shift was spent in preparation to drifting.

The drifting is being continued steadily and the mining operations minimized.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr

Compton I. White Jr., Pres.

COPY

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

June 24, 1954

Memorandum

To: DMEA Field Team, Region II

From: Howard B. Nickelson, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-455 (lead), Routine inspection, Whitedelf Mining and Development Company, Bonner County, Idaho, Contract No. Idm-E189

Mr. Compton White, Jr., was contacted on June 22, 1954, in Clark Fork by the writer.

No progress has been made on the DMEA drifting for about a month or 6 weeks, although development and mining on the northeast oreshoot was being done.

Mr. White stated that the DMEA drifting to the southwest would be started by June 28, 1954. He reports the ore has pinched out in the back of the northeast stope, so he is connecting the two raises by an intermediate. He plans to raise on the narrow band of ore exposed in the northeast end of the first raise.

Distribution:
DMEA (orig. & 3)
USBM (2)
Docket
Nickelson

Betty

June 15, 1954

Department of the Interior
Defense Minerals Exploration Administration
1201 North Division Street,
Spokane 2, Washington

Re: Whitedelf Mining and Deveopment Co.
Contract #Idm 159
Docket #DMEA 255-X

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of May, 1954.

No drifting was done under the subject contract and no charges were made against the DMEA account. The company did, however, continue its mining operations.

Sincerely,
Whitedelf Mining and Development Co.
Compton I. White Jr.
Compton I. White Jr., Pres.

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

1201 N. Division St.
Spokane 2, Washington
May 21, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Whitedelf Mining & Development Company, Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

Work completed under the exploration project contract on the 800 level of the Whitedelf mine was inspected May 12, 1954. Mr. Compton I. White, Jr. was at the property during the visit.

The south drift was advanced 55 feet since the last inspection on April 12. The first 10 feet of advance was on a bearing of N. 68° W. and intersected the Pearl vein. The Pearl vein strikes S. 32° W. and dips 70° to the southeast. The drift followed the structure for 45 feet. The Operator stated that there was a 10" wide vein of lead silver ore for a strike length of 10 feet along the shear. The back was lagged along this portion of the drift; consequently, the mineralized portion of the vein could not be examined.

USBM markers have been placed in the south drift for measuring points with locations as follows:

USBM #366 - center line of main crosscut at the intersection of the crosscut and north and south drifts.
USBM #367 - at USBM #366 + 145'
USBM #369 - at USBM #367 + 116'

The present face of the south drift is at USBM #369 + 28.5'.

USBM #393 was placed on a cap in the north drift at USBM #341 + 153'. The face of the north drift is at USBM #393 + 40'.

Work completed under the exploration project to date is as follows:

Shaft sinking	413 feet
Crosscutting	294 "
Drifting to south from main crosscut	306 "
Drifting to north from main crosscut	774 "

There was an additional 30 feet of drifting to the southwest on the footwall strand of the Pearl vein, with the face of this drift 40 feet southwest of USBM #393. The Government did not participate in this 30 feet of drifting.

The Operator had 6 men employed at the mine at the time of the visit and was stoping on the north ore shoot. The back of the stope was approximately 40 feet above the sill. The ore had pinched out in the back and indicates that the ore shoot consists of pods or lenses along the strike and dip of the Pearl vein.

There is no work being done under the exploration project contract at the present time. The Operator has recessed exploration work temporarily so that he can concentrate on setting up an integrated development and mining program on the north ore body.

Mr. Compton I. White, Jr. was in the Spokane office of the Bureau of Mines on May 11, 1954, in regard to the Government's equity in operating equipment purchased under the contract prior to Amendment No. 6. The value of the Government's equity was calculated at 50¢ on the dollar as tabulated below.

Item	Cost	Govt. equity	Value @ 50¢ on dollar
Ingersoll Rand sump pump, Ser. No. 29755 2MRV 50 motor pump Coffing Ratchet hoist Ingersoll Rand pump and 40 hp General Electric motor, 60 cycle (used)	$2256.54	$1128.27	$564.13
Rail and splice bars	520.65	260.32	130.16
Pipe and pipe fittings	1404.28	702.14	351.07
Totals	$4181.47	$2090.73	$1045.36
			SAY $1045.00

W. S. Anderson
W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
M/D
WSA/he

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1954 Docket No. DMEA 256-X Contract No. Ida 109
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wn.
Contract Amount, $163,950.00 Government Participation: 50 % Amount, $81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Station		1500.00	1500.00			
Bulldozing						
Crosscutting Linking		64130.97	64130.97			
Drifting		9222.61	9222.61			
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	1951.35	30714.29	32667.34	1951.35		
Supervision	300.00	7200.00	7500.00	300.00		
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	220.77	7277.01	7497.78	220.77		
Explosives	493.75	1996.88	2490.63			
Pipe		1106.08	1106.08			
Track	136.27	539.95	676.22	33.99		
Miscellaneous	633.63	3248.76	3882.39	444.64		
Hoist Rope		489.30	489.30			
(4) Operating Equipment:						
Rental						
Purchase		2748.00	2748.00			
Depreciation	363.33	5576.66	5939.99	363.33		
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	245.48	1112.29	1357.77	233.48		
Power	232.50	6003.00	6235.50	232.50		
Sampling and Analysis						
Payroll Taxes	195.36	4291.70	4487.06	195.20		
Auditing	100.00	2700.00	2800.00	100.00		
Liability Insurance						
Transportation		44.30	44.30			
Assaying		25.50	25.50			
(8) Contingencies (specify):						
30 feet deducted was for development instead of exploration.						
TOTALS	4874.14	159009.46	163883.60	4075.26	159009.46	163084.72

I certify that the above bill is correct and just and that payment therefor has not been received.
Date May 12, 1954 Payee Whitedelf Mining and Development Company
Per [signature] Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2037 63

Signature [signature] (Authorized Certifying Officer)

Date 6/18/54 Vou. No. 1193
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E/89 in accordance with the terms of the contract.

Signature /S/ Webster S. Anderson Title Mining Engr Date 6/2/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldak Title Mining Engr Date 6/2/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1950)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 1954 Docket No. DMEA 258-X Contract No. Idm 139
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wn.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft.	4874.14	93	63417.99	1368	46.36½		
Crosscutting								
Raising								
Shafts				76225.49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				139643.43				Total Costs Authorized by Contract
Operating Equipment Purchased				2768.08				
Initial Rehabilitation and Repairs				17937.11				
New Buildings, Improvements, etc. Station				3554.13				
Total Costs				163903.60				

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.

Date May 12, 1954 Operator Whitedelf Mining and Development Company

Per [signature] Title President

Remarks:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

May 22, 1954

U. S. Bureau of Mines
Defense Minerals Exploration Administration
1201 North Division Street
Spokane 2, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of April, 1954.

The drift to the south on the Pearl Vein on the 800 foot level was extended 93 feet.

A small ore shoot was encountered where the footwall side of the vein was intersected by the drift. The present face shows considerable alteration and the accompanying wall mineralization.

In anticipation of an extension to our present contract, which has since been received, the work in the drift was stopped on the last day of April. It is expected to be resumed during the first part of June.

Sincerely,

Whitedelf Mining and Development Co.

Compton J. White Jr.

Compton J. White Jr., Pres.

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : DMEA Field Team, Region II DATE: June 3, 1954

FROM : W. S. Anderson, Mining Engineer, Bureau of Mines

SUBJECT: April 1954 MF-104, Whitedelf Mining and Development Co., Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA-255 (lead)

Prior to submitting his April MF-104 the operator had been prorating his costs between mining operations and exploration work under the contract. The average cost per foot of drift for the months of January, February, and March was $44.20, while the cost per foot of drift completed in April, as submitted on the April MF-104, was $52.41.

Substantiating invoices submitted with the April MF-104 date back to December 23, 1953. It is probable that the invoices submitted were those previously prorated to stoping operations. It is evident the operator's intent is to receive maximum reimbursement before he starts work under Amendment No. 6 in which costs for drifting are an allowable maximum of $46.00 per foot.

There were no unusual operating conditions which would warrant an increase in the cost of drifting from $44.20 per foot to $52.41 per foot.

The following invoices were submitted on the April MF-104.

Company	Invoice No.	Date	Item	Cost
Illinois Powder Co.	274-12	12/24/53	Fuse	$ 84.75
" "	43-1	12/26/53	Powder	409.00
Union Iron Works	W87048	1/ 6/54	Track	102.28
" " "	399679	1/ 6/54	Parts for sand pump	12.00
Coeur d'Alene Hardware	30044	3/25/54	Roof bolts & plates	84.68
Montague's Chevron Service	10080	2/27/54	Starter Solenoid	1.95
	10079	2/27/54	Gas, Oil,Brake Fluid	11.25
	9879	2/ 8/54	Stove oil	.48
	9857	2/ 5/54	?	10.35
	9825	2/ 1/54	Gas	4.90
	9801	1/30/54	Gas,Oil	5.69
	9797	1/29/54	Stove oil,	.48
	9687	1/16/54	Prestone, Oil Filter	10.01
	9656	1/14/54	Gas	5.10
	9408	12/23/53	Grease job, stove oil	2.73
Nott-Atwater Co.		3/20/54	Hacksaw blades	49.39
Total				$795.04

Invoice No. 30044 from the Coeur d'Alene Hardware Company was for roof bolts and plates which were used in the northeast stope and improperly charged to the DMEA drift. Invoice No. 399679 was for parts for a sand pump which would be mill equipment. Invoice #W87048 from the Union Iron Works was for track. When Mr. Compton I. White, Jr. discussed the value of equipment purchased under the contract with the Field Team representatives relative to the insertion of a stated value for the Government's equity in said equipment on Page 2, Item 6 of Amendment No. 6, he stated that he would not submit any items on his April MF-104 in which the Government would have an equity. Amendment No. 6, Item 6, Page 2, states that prior to the date of the Amendment (May 5, 1954) the Government's equity in operating equipment is agreed upon as being of the value of $1,045.00. Participation by the Government in the purchase of the track would necessitate an amendment amending Item 6, Page 2, of Amendment No. 6.

It is believed that if costs submitted were legitimate costs of the exploration project contract they should have been submitted as incurred.

If the listed items costing $795.04 are deleted from the April 1954 MF-104, the total monthly cost would then be $4,079.10, or $43.86 per foot. This cost is more in line with the average cost for the months of January, February, and March 1954, which was $44.20 per foot.

It is therefore recommended that the invoices listed in this memorandum be deleted from the April 1954 MF-104.

W. S. Anderson

W. S. Anderson

WSA:mp
Orig. & 3 cys Wash.
USGS 2
DMEA
Md
AD
Engineer

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

RECEIVED
MAY 20 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of [illegible], 1954 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name [illegible] Minerals [illegible]
Address [illegible]
Contract Amount, $ [illegible] Government Participation: [illegible] % Amount, $ [illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling [illegible]		[illegible]	[illegible]			
Bulldozing						
Crosscutting [illegible]		[illegible]	[illegible]			
Drifting		[illegible]	[illegible]			
[illegible]		19175.17	19175.17			
(2) Labor and Supervision:						
Labor	[illegible]	[illegible]	[illegible]			
Supervision	[illegible]	[illegible]	[illegible]			
Technical Services		[illegible]	[illegible]			
(3) Operating Mat'ls. and Supplies:						
Timber		[illegible]	[illegible]			
Explosives		[illegible]	[illegible]			
Pipe	[illegible]	[illegible]	[illegible]			
Track		[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]			
[illegible]		[illegible]	[illegible]			
(4) Operating Equipment:						
Rental						
Purchase		[illegible]	[illegible]			
Depreciation	[illegible]	[illegible]	[illegible]			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		[illegible]	[illegible]			
~~Sampling and Analysis~~ [illegible]	[illegible]	[illegible]	[illegible]			
Payroll Taxes	[illegible]	[illegible]	[illegible]			
~~Liability Insurance~~ [illegible]	[illegible]	[illegible]	[illegible]			
[illegible]		[illegible]	[illegible]			
[illegible]		[illegible]	[illegible]			
(8) Contingencies (specify):						
[illegible]						
[illegible]						
[illegible]						
TOTALS	[illegible]	[illegible]	159000.46	3080.05	155929.41	159009.46

Paid
Betty
5/24/54. J.M.A.

I certify that the above bill is correct and just and that payment therefor has not been received.

Date [illegible], 19[illegible] *Payee [illegible]

Per Compton White Jr. Title [illegible]

*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.

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(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
1540.03 amt. due
1000.00 amt. withheld
540.03 amt. pd. 4/23/54.

Signature [illegible] (Authorized Certifying Officer) 1149

Date 4/23/54 Vou. No. 41165 (See other side)

$1000.00 withheld until and if one 1000 and Warrants sent to Washington 4/26/54

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Engr Date 4/19/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldak Title Min Engr Date 4/19/54

MONTHLY REPORT OF OPERATOR

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(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

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Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Standard Form No. 1034a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....
Bu. Vou. No. 1147

U. S. .....
(Department, bureau, or establishment)

Voucher prepared at 4/23/54
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-E189

To Whitedelf Mining and Development Co.
(Payee)

401 Empire State Building, Spokane, Wash.
(Address) (City) (State)

PAID BY
4/23/54
Betty
(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 Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	March 1954	Partial payment per certified form MF-104 dated 4/10/54. Project is nearing completion. $1,000.00 withheld until final audit is made.				$540.03	
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	$540.03	

(Payee must NOT use this space)
Differences .....
Account verified; correct for .....
(Signature or initials) .....
$540.03

Contract No. Date Req. No. Date Invoice Rec'd.

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Minerals Production Act, Interior	$540.03	$540.03

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.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

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, as amended.)

☆ U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22900a-2

Standard Form No. 1034 a—Revised
Form prescribed by
Comptroller General, U. S.
September 7, 1950
(Gen. Reg. No. 51, Supp. No. 11)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. .....

Bu. Vou. No. 1147

U. S. .....
(Department, bureau, or establishment)

Voucher prepared at 4/23/54
(Give place and date)

THE UNITED STATES, Dr., Payee's Account No. Idm-2189

To Whitedelf Mining and Development Co.
(Payee)

401 Empire State Building, Spokane, Wash.
(Address) (City) (State)

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 Federal supply schedule, and other information deemed necessary) Discount Terms	QUANTITY	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
	March 1954	Partial payment per certified form MF-104 dated 4/10/54. Project is nearing completion. $1,000.00 withheld until final audit is made.				$540.03	
PAYMENT: Complete ☐ Partial ☐ Final ☐		Use continuation sheet(s) if necessary					
Shipped from	to	Weight	Government B/L No.		Total	$540.03	

(Payee must NOT use this space)

Differences .....

Account verified; correct for $540.03

(Signature or initials) .....

Contract No. Date Req. No. Date Invoice Rec'd.

MEMORANDUM

ACCOUNTING CLASSIFICATION (For completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n. or Proj't. Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Minerals Production Act, Interior	$540.03	$540.03

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.....

16—22900a-2

METHOD OF OR ABSENCE OF ADVERTISING

METHOD OF ADVERTISING

1. Advertising in newspapers Yes ☐ No ☐
2. (*a*) Advertising by circular letters sent to ..... dealers.
   (*b*) And by notices posted in public places Yes ☐ No ☐.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made below.)

ABSENCE OF ADVERTISING

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, as amended.)

☆ U. S. GOVERNMENT PRINTING OFFICE : 1950 O—75805

16—22000a-2

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1954 Docket No. DMEA 265-X Contract No. Idn 189

Operator's Name Whitedelf Mining and Development Co. Minerals Lead

Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft	3080.05	68½	58,545.65	1275	45.914	1100	52.50
Crosscutting								
Raising								
Shafts				76,225.46				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				144760.34				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2748.88				
Initial Rehabilitation and Repairs				17937.11				
New Buildings, Improvements, etc. Station				3554.13				
TOTAL COSTS				168000.46				

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.

Date April 10, 1954 Operator Whitedelf Mining & Development Company

Per [signature] Title President

REMARKS:

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.

(Instructions on reverse)

(For Government use only)

APR 29 1954
Defense Minerals Administration
DEPARTMENT OF THE INTERIOR

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Spokane, Washington
April 13, 1954

Department of the Interior,
Bureau of Mines,
Defense Minerals Exploration Admn.
1201 North Division Street,

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of March, 1954.

A total of 68½ feet of drifting was completed during the month, this drift was driven to further explore the south section of the Pearl Vein from the point of original intersection. It is believed that this drifting has shown both the nature of the footwall and hanging wall strands of the Pearl Vein at this location.

Long hole drilling during the month further indicated the above observation to be correct.

Conforming with the recommendations of the Bureau Field Team the drift is being extended along the hanging wall strand towards the south.

A limited mining operation was continued in the north portion of the 800 foot level.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr.

Compton I. White Jr., Pres.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

April 15, 1954

Memorandum

To: Field Team, Region II

From: Howard B. Nickelson, Geologist, U. S. Geological Survey, and Webb Anderson, Mining Engineer, U. S. Bureau of Mines

Subject: Docket No. DMA-255X (lead-zinc), Whitedelf Mining and Development Company, Whitedelf Mine, Bonner County, Idaho, Contract No. Idm-E189.

The property was visited on March 15, 1954, by Howard B. Nickelson, Geologist, who was accompanied by Compton White, Jr. The drift had been advanced to the south, exposing a number of faults and a crushed, brecciated zone assumed to be the hanging wall strand of the Pearl vein. Mr. White was advised to follow the crushed and brecciated hanging wall zone on to the southwest.

One round had been blasted at the curve of the drift to extend the drift from the shaft crosscut in a westerly direction. This round was intended to explore the pyrite showing found in the long holes. Mr. White was advised not to continue this drift in this direction because the long holes had proved only pyrite existed in this area.

Webb Anderson visited the property on March 23, 1954, and found that Mr. White had extended the drift to the west as shown on the enclosed map, but had done no work on the hanging wall strand as proposed by Nickelson. Some doubt was expressed as to whether payment should be made for this westerly work.

Mr. Compton White visited the Survey office on April 5, 1954, and requested an examination of the property to recommend future work. He stated that he had driven the drift on the hanging wall structure, but that he did not think the drift was on the main hanging wall vein.

As a result of this request the property was visited by the writers on April 12, 1954. The work to the southwest was mapped as shown by the enclosed geologic map.

The drift to the southwest on the hanging wall strand was driven south of the structure which accounts for the operator stating he was off the structure.

By evaluating the evidence from the long holes and the drifts the operator was advised to continue the hanging wall drift about the same direction as shown on the enclosed map to intersect the hanging wall structure and the fault strand found in the face of the west drift off the main drift.

It is hoped this fractured zone will be confined to the main Pearl vein as drifting is continued to the southwest.

Long-hole drilling will be continued as the drift is advanced westward to check for mineralization in the footwall of the Pearl vein. Costs on long-hole drilling have been low. A 33-foot hole can be drilled in an hour and a half.

It is recommended the Government participate in the cost of the 27 feet of drift driven to the west from the main drift at the turn because valuable geologic information was obtained from this opening. The operator can use this short drift for storage space.

The operator showed the Field Team examiners three sketches of the work below the 400 level off the northeast drift, commonly known as the winze, 465 and 500 levels. These sketches were made by R. E. Sorenson of the Hecla Mining Company and are enclosed herewith. This oreshoot is now being mined on the 800 level to the northeast. Mr. White reports he is mining an area 14 feet wide and 45 feet long at the present time. This stope will be mapped and sampled on the next visit.

The examiners are of the opinion the Operator will have to install fan pipe into the face of the southwest drift for ventilation, as they noted an increase in poor air and powder gas in this heading on their last visit.

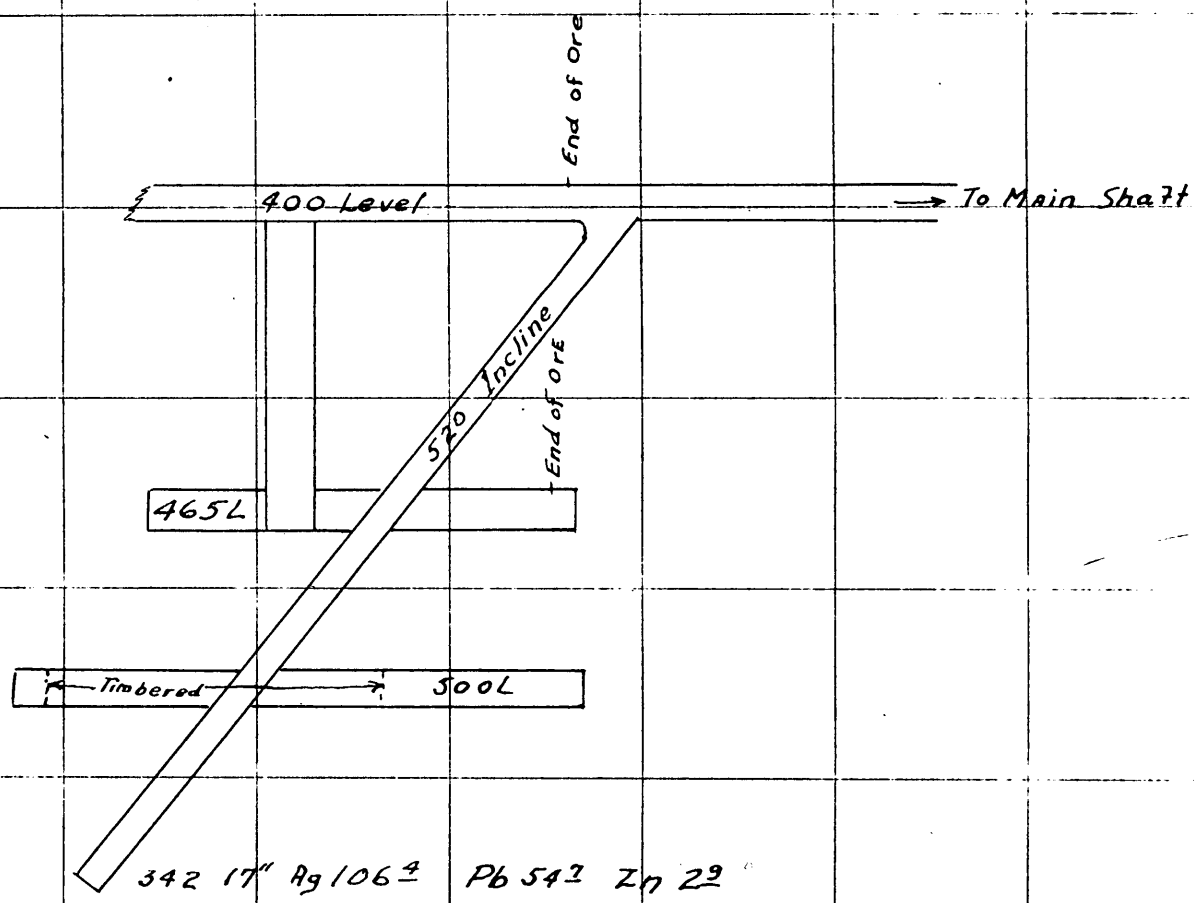
Enclosures - 4 maps
Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Nickelson

HECLA MINING COMPANY
BURKE IDAHO
ENGINEERING OFFICE

Subject Whitedelf Mine
Clarks Fork, Idaho

Computed by R. E. S.

Scale 1" = 40' Date 7-14-39



Section Looking Easterly

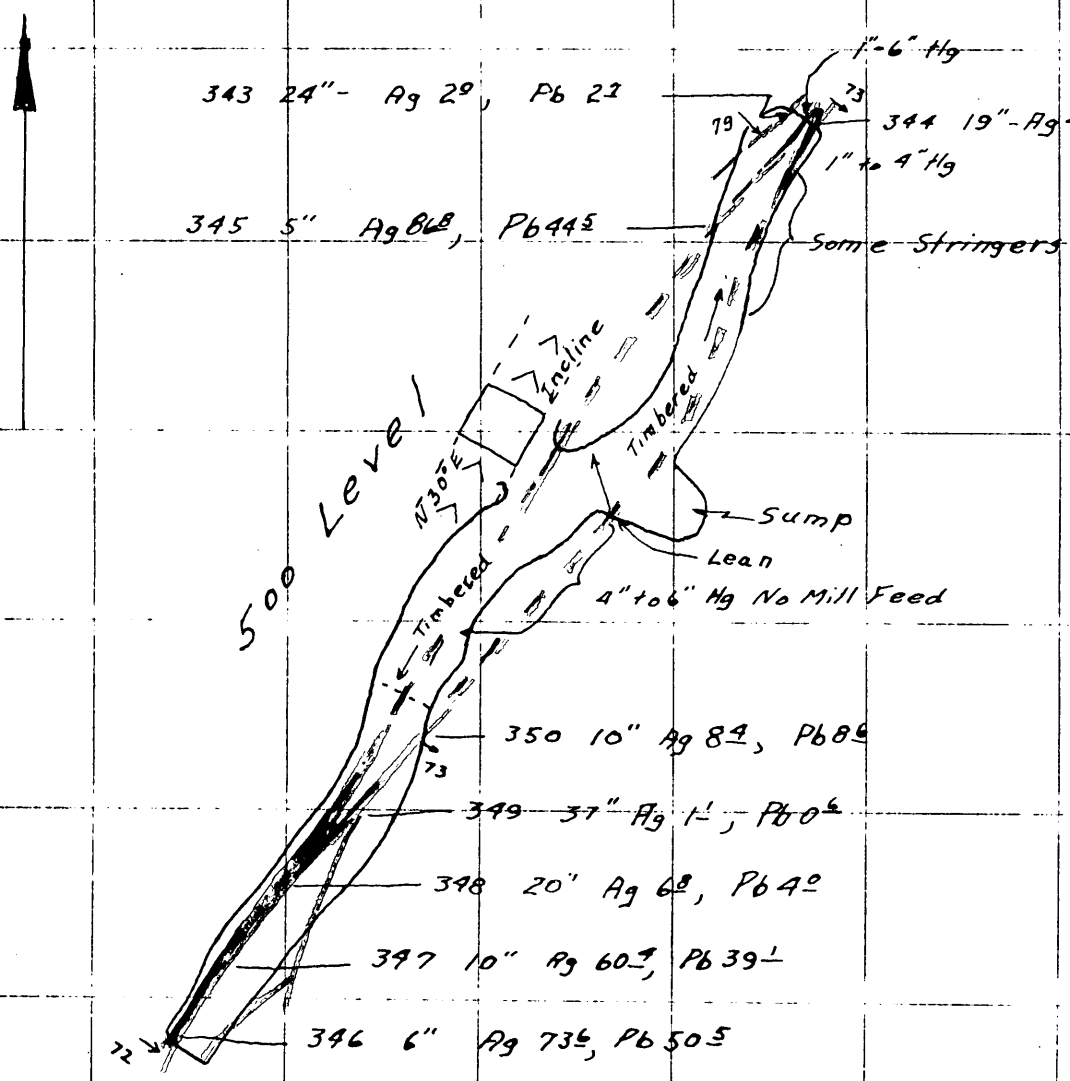
"ALBANENE" No. 103M K&E CO., N. Y.
REG. U.S. PAT. OFF.

HECLA MINING COMPANY
BURKE IDAHO
ENGINEERING OFFICE

Subject Whitedelf Mine
Clarks Fork Idaho

Computed by R.E.S.

Scale 1" = 20' Date 7-14-39

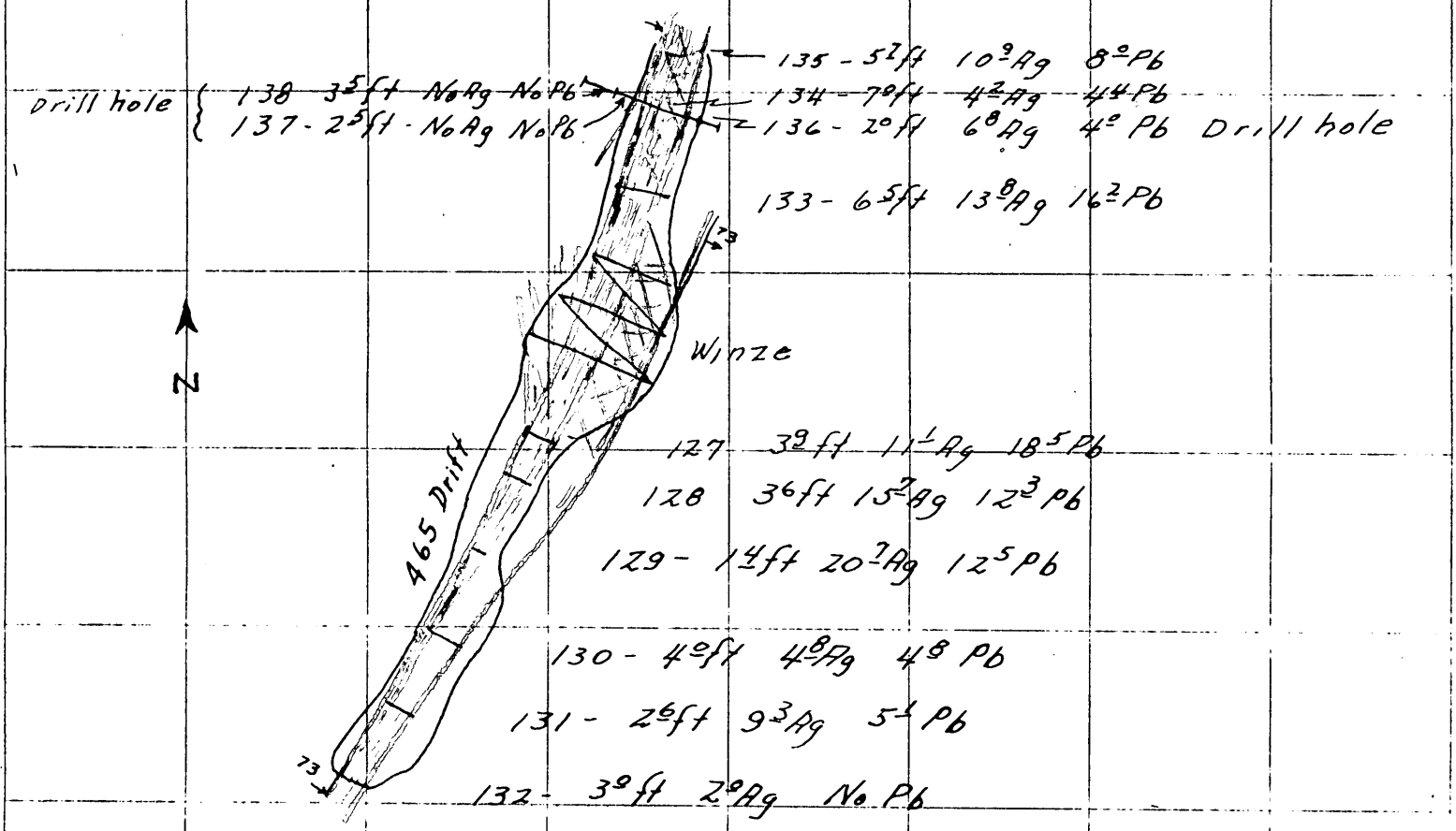


HECLA MINING COMPANY
BURKE IDAHO
ENGINEERING OFFICE

Subject Whitedelf Mine
Clarks Fork, Idaho

Computed by R.E.S.

Scale 1" = 20' Date 6-28-38



"ALBANENE" No. 1.10M K&E CO., N.Y.

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

1201 N. Division St.
Spokane 2, Washington
March 26, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The exploration work in progress on the 800 level of the Whitedelf mine was inspected March 23, 1954 accompanied by Mr. Compton I. White, Jr., president of the Whitedelf Mining & Development Company.

The drift to the southwest has been advanced 70 feet since the last visit, for a total advance to the south of 176 feet. The drift was swung to the south to intersect the hanging wall strand of the Pearl vein with the last 43 feet of advance on a bearing of S. 30° W.

The total work completed under the contract is as follows:

Shaft sinking	413 feet
Drifting	961 feet
Crosscutting	271 feet

Howard Nickelson, USGS, visited the property March 15, 1954, and mapped the geology in the last section of advance. This will be included in his report.

The raise from the northeast drift at USBM 341 + 125 has been advanced approximately 20 feet. The Operator has stoped approximately 200 tons of ore from the raise and is now placing roof bolts in the hanging wall of the stope as the wall slabs rather readily if left unsupported.

As of March 18, 1954 the Operator had shipped 6 lots of concentrate to the Bunker Hill & Sullivan Mining & Concentrating Company. The total tonnage of the six lots was 31.884 tons from which the Government received royalty payments in the amount of $288.04.

W. S. Anderson
W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD—WSA/he

Form M[illegible] 104 (Rev.)
(A[illegible] 052)

Budget Bureau No. 42-R1036.4
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of February, 1954 Docket No. DMEA [illegible] Contract No. [illegible]
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.
Contract Amount, $ 163,950.00 Government Participation: 85 % Amount, $ 81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Station		1500.00	1500.00			
Bulldozing					4/14/54 J. W. Betty	
~~Crosscutting~~ Sinking		64150.97	64150.97			
Drifting		8005.81	8005.81		92 22.61	92 22.61
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	2144.82	27070.14	29215.46	178.32		
Supervision	300.00	6600.00	6900.00	300.00		
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber		7277.01	7277.01			
Explosives		1996.88	1996.88			
Pipe		1030.83	1030.83			
Track		539.25	539.25			
Miscellaneous	92.83	3138.30	3231.13	89.33		
Hoist Rope		489.30	489.30			
(4) Operating Equipment:						
Rental						
Purchase		2748.88	2748.88			
Depreciation	500.35	4822.00	5322.35	363.33		
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1112.29	1112.29			
~~Sampling and Analysis~~ Power	140.00	5693.00	5833.00	140.00		
Payroll Taxes	231.18	3912.70	4143.88	183.43		
~~Liability Insurance~~ Drilling	100.00	2500.00	2600.00	100.00		
Transportation		44.30	44.30			
Assaying		28.50	28.50			
(8) Contingencies (specify): Both advances are for development instead of exploration						
TOTALS	3571.80	162973.20	166544.00	2956.41	152 972.20	155929.61

I certify that the above bill is correct and just and that payment therefor has not been received.

Date ..... *Payee .....

Per Compton White Jr. 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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1478.21

Signature ..... (Authorized Certifying Officer)

Date 4/1/54 Vou. No. 1130

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E/189 in accordance with the terms of the contract.

Signature /s/ Webster S Anderson Title Mining Engr Date 3/25/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W Zoldok Title Mining Engr Date 3/25/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(August 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1954 Docket No. DMEA 255I Contract No. Idm-189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft.	3371.60	70	55876.99	1206.5	46.314		
Crosscutting								
Raising								
Shafts				76225.49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				132104.48				Total Costs Authorized by Contract
Operating Equipment Purchased				2748.88				
Initial Rehabilitation and Repairs				17937.11				
New Buildings, Improvements, etc.								
Station				3554.13				
Total Costs				156344.60				

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.

Date 3-18-54 Operator Whitedelf Mining and Development Company

Per Conglan Sewhile Jr. Title President

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.

Remarks:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

Spokane, Washington
March 17, 1954

Department of the Interior,
Bureau of Mines,
Defense Minerals Exploration Admn.
1201 North Division Street,
Spokane 2, Washington

Gentlemen:

The following progress was made at the Whitedelf mine during the month of February, 1954.

A total of 70 feet of drifting was completed during the month, this drift was driven to further explore the south section of the Pearl vein from the point of original intersection. The structure encountered has been very badly broken and the course of the vein difficult to determine.

At the end of the month it was felt that the geologic problems had been solved and heading bearing taken to determine the true course of the vein. It was also contemplated to verify these calculations and projections by long hole drilling.

A limited mining operation was continued in the north portion of the 300 foot level.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr., Pres.

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

1201 N. Division St.
Spokane 2, Washington
February 19, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, U. S. Bureau of Mines

Subject: Interim inspection, Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf mine was visited February 9, 1954 accompanied by Howard Nickelson, Geological Survey, and Mr. Compton I. White, Jr., president of the Whitedelf Mining & Development Co.

The face of the drift on the Pearl vein was at USBM #341 + 195 feet for an advance of 38 feet under the contract.

A drift was driven 30 feet S. 45° W. on the footwall of the Pearl vein with the drift starting 10 feet northwest of the main drift at USBM #341 + 142 feet, as shown on the sketches submitted with the geologic report. This drift is more of the nature of development rather than exploration and should be on company account.

The Operator is now driving a drift to the southwest in the footwall of the Pearl vein. This drift has been advanced 106 feet on a bearing of S. 59° W. Mr. White was advised to swing the drift to the south to pick up the hanging wall strand of the vein and then to drift on it to the southwest.

The total work completed under the exploration project to date is as follows:

Shaft sinking	413 feet
Drifting	891 feet
Crosscutting	271 feet

As of the 1st of January 1954 the total cost of project work has been $150,458.20, which would leave a balance of $13,491.80 left to be expended under the contract. Estimating the costs for January at $4,060.00, using the average cost of $46.66 a foot for drifting and crosscutting and an advance of 87 feet, the balance left would be $9,431.80. This amount would be sufficient for an additional 200 feet of drifting which, at the present rate of progress, should be completed by April 15, 1954.

The Operator, on company account, has driven a raise to the northwest at plus 68° with the center line of the raise at USBM #341 + 74 feet. The raise is a three-compartment raise consisting of a manway and timber slide compartment and 2 ore passes. The raise is timbered with sets at 5-foot intervals, and the compartments are carried 52"x48" in the clear. The Operator temporarily stopped work in this raise after 23 feet of advance and plans on driving another raise, to the northwest, in the ore zone at USBM #341 + 125 feet.

Operations are being carried out on a two-shift basis with the development on the day shift and exploration on the swing shift.

In drifting the Operator is using a 22 hole round with a burn cut. Powder usage averages approximately 8 lbs. of 1-1/8"x8" Atlas No. 2 powder per foot of advance.

The hoisting rope has been replaced but the Operator is still using a bucket for hoisting muck. Hoisting costs could be decreased considerably and efficiency increased if the Operator would install the skip he has at the property.

A satisfactory rate of advance has been maintained and work standards are good.

W. S. Anderson

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

Form M-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Department of the Interior
Defense Minerals Administration
RECEIVED
MAR 12 1954

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1954 Docket No. DMEA 256-X Contract No. Idm-100

Operator's Name Philadelf Mining & Development Co. Minerals Lead

Address 401 Empire State Building, Spokane 1, Wa.

Contract Amount, $163,250.00 Government Participation: 50 % Amount, $81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						3/15/54
Drilling Station		1500.00	1500.00			
Bulldozing						
Crosscutting Blasting		64130.97	64130.97			
Drifting		9222.61	9222.61			
Rehabilitation		10172.17	10172.17			
(2) Labor and Supervision:						
Labor	2405.01	24674.15	27079.16	2405.01		
Supervision	300.00	6300.00	6600.00	300.00		
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	140.00	7137.01	7277.01	140.00		
Explosives		1926.39	1926.39			
Pipe		1030.23	1030.23			
Track		638.95	638.95			
Miscellaneous		3139.30	3139.30			
Raise Bond		450.30	450.30			
(4) Operating Equipment:						
Rental		2740.00	2740.00			
Purchase						
Depreciation	363.33	4416.67	4780.00	363.33		
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1112.29	1112.29			
Sampling and Analysis Assay	184.00	6509.00	6693.00	184.00		
Payroll Taxes	239.26	3573.60	3812.86	239.26		
Liability Insurance						
Auditing	100.00	2400.00	2500.00	100.00		
Transportation		41.25	41.25			
Assaying		25.50	25.50			
(8) Contingencies (specify):						
30% Exploration, mine development & plant expansion				1216.80		1216.80
TOTALS	3734.30	150458.20	154192.50	2514.80	150458.20	152973.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Feb. 15, 54 *Payee Philadelf Mining and Development Co.

Per Compton Hall Jr. Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1257.40

Signature (Authorized Certifying Officer)

Date 3/5/54 Vou. No. 1107
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 189 in accordance with the terms of the contract.

Signature /s/ Webster S. Anderson Title Mining Engr Date 3/5/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Stephen W. Zoldok Title Min Engr Date 3/5/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 12 1954

Month of January 195 4 Docket No. DMEA 255-1 Contract No. Idm 239
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft.	3734.30	93	[illegible]	1186.5	46.06	1100	82.60
Crosscutting								
Raising								
Shafts				76[illegible].10	415	184.14	410	1[illegible].00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				129[illegible]				Total Costs Authorized by Contract
Operating Equipment Purchased				6748.[illegible]				
Initial Rehabilitation and Repairs				17037.11				
New Buildings, Improvements, etc. Station				3554.13				
Total Costs				154152.50				

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.

Date Feb. 15, 54 Operator Whitedelf Mining and Development Co.

Per Compton Jewell Jr. Title President

→ 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.

Remarks:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

12 1954

Spokane, Washington
February 18, 1954

Department of the Interior,
Bureau of Mines,
Strategic Minerals Exploration Branch.
1201 North Division Street,
Spokane 2, Washington

Gentlemen:

The following progress was made on the Whitedelf Mine during the month of January, 1954.

A total of 92 feet of drifting was completed during the month, of this 5 feet were used to complete the exploration of the north ore body, the remaining 87 feet were expended drifting to the south from where the Pearl vein was first intersected behind the shaft in order to explore the south portion of the Pearl vein.

A limited mining operation has been started in the north portion of the 500 foot level in the form of a raise to develop the ore disclosed by the north drift. The payroll and disbursements as submitted are based on drift work only.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr.

Compton I. White Jr., Pres.

COPY

DMEA Field Team, Region II

March 8, 1954

DMEA Certifying Officer

Whitedelf Mining and Development Co., Contract Idm-E189, January 1954 MF-104.

The above MF-104 was processed this date for payment. Of the amount submitted the following deletions were made:

Item 7, Payroll Taxes. A deletion of $2.70 was made due to a mathematical error.

It was also necessary to delete $1,216.80 for 30 feet of drift to the southwest on the footwall of the Pearl vein at USBM #341 / 142 feet. The average drifting cost for January 1954 of $40.56 was used to arrive at this figure. Mr. Anderson, in his memorandum to the Field Team of Feb. 23, 1954, stated that this 30 feet of drifting was more in the nature of development than exploration.

R. J. Hindman

cc:
USGS - Orig. and 1
Ad
Engineer - Anderson
Washington (1) ✓

COPY

1201 N. Division St.
Spokane, 2, Washington
February 23, 1954

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, U. S. Bureau of Mines

Subject: Whitedelf Mine, Bonner County, Idaho
Docket No. DMA 255X (lead) Contract Idm-E189

In his January MF-104 the Operator submitted as work completed under the contract 30 feet of drift to the southwest on the footwall of the Pearl vein at USBM #341 / 142 feet. In the opinion of the writer this advance is more in the nature of development work rather than exploration. ?

If in the opinion of the U. S. Geological Survey the drift is justified for geologic reasons, a memorandum to this effect will be sufficient to justify Government participation in the aforementioned drift. ?

The January MF-104 will be processed for payment upon receipt of the memorandum stating the work is justified.

W. S. Anderson

cc: Wash (1)

DMF-101 (Rev.)
(April 1952)

(U)

Budget Bureau No. 42-R1
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1953 Docket No. DMEA 255-X Contract No. Idn 180
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Building
Contract Amount, $ 163,950.00 Government Participation: 50 % Amount, $ 81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drilling~~ Station		1500.00	1500.00			
Bulldozing						
~~Crosscutting~~ Sinking		64130.97	64130.97			
Drifting		9222.61	9222.61			
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	2305.32	22268.81	24674.13			
Supervision	300.00	6000.00	6300.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber		7137.01	7137.01			
Explosives	34.75	1912.13	1996.88			
Pipe	77.25	955.12	1032.37			
Track		539.95	539.95			
Miscellaneous	208.60	2944.80	3153.40			
Hoist Rope		499.30	499.30			
(4) Operating Equipment:						
Rental						
Purchase		2743.83	2743.83			
Depreciation	321.66	4165.01	4486.67			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1112.29	1112.29			
~~Sampling and Analysis~~ Power	336.00	5173.00	5509.00			
Payroll Taxes	233.98	3439.52	3673.50			
Liability Insurance						
Auditing	100.00	2300.00	2400.00			
Transportation		44.30	44.30			
Assaying	11.00	14.50	25.50			
(8) Contingencies (specify):						
TOTALS	4058.56	146416.28	150474.84	4041.92	146416.28	150458.20

Betty
2/8/54 J.W.A.

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Jan. 8, 1954 *Payee WHITEDELF MINING AND DEVELOPMENT COMPANY

Per Compton Jewell Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2020.96

Signature (Authorized Certifying Officer)

Date 1/25/54 Vou. No. 1066

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 189 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Eng Date 1/18/54

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W Zoldok Title Mining Eng Date 1/18/54

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42
Approval expires 6-30-5

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1953 Docket No. DMEA 255-X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Washington

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft	4058.56	773	50,009.23	1074	46.55	1100	52.50
Crosscutting								
Raising								
Shafts				76,225.49	413	184.53	410	180.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				126,234.72				Total Costs Authorized by Contract
Operating Equipment Purchased				2,748.88				
Initial Rehabilitation and Repairs				17,937.11				
New Buildings, Improvements, etc. Station				3,554.13				
Total Costs				150,474.84				

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.

Date Jan. 8, 1954 Operator WHITEDELF MINING AND DEVELOPMENT CO.

Per Compton J. White Title President

Remarks:

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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Clarkfork, Idaho
January 13, 1954

Department of the Interior
Defense Minerals Exploration Administration
1201 North Division Street
Spokane 2, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of December 1953.

The drift exploring the Pearl Vein was extended 77½ feet, this drifting was done on the footwall side of the vein to determine the length of the mineralized section intersected during the last period.

The mineralized section of the vein along the foot wall was opened for an approximate distance of 65 feet. The mineralization was observed to be mainly mill feed with no major high-grade deposit.

Sincerely,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton I. White Jr.

Compton I. White Jr.

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

1201 N. Division St.
Spokane 2, Washington
December 11, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Interim inspection, Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf mine was visited December 8, 1953. Mr. Compton I. White, Jr., president of the Whitedelf Mining & Development Co., was present during the visit.

A tape and compass survey was made of advance completed since the visit of November 13, 1953. The face of the drift on the Pearl vein is at USBM 341 + 157, for an advance of 60 feet since the last visit. A short crosscut was driven 15 feet N. 25° W. from the face into the footwall of the Pearl vein. A sketch of workings from USBM 341 ahead is attached. From the sketch it can be seen that the drift has apparently been following the hanging wall strand of the Pearl vein, and the footwall which was intersected by the crosscut apparently converges with the hanging wall approximately 15 feet ahead of the present face.

At USBM 341 + 124 ore was intersected on the north of a fracture which strikes N. 70° E. and dips 86° to the NW. The ore zone is 4 feet wide at this point and is 13 feet wide 13 feet back from the face. Channel sample WSA #55 was cut across the face for a width of 4.5' and will be assayed for Pb, Zn, Ag and Au.

The Operator has been milling exploration ore and to date has shipped 8 tons of concentrates which ran approximately 85 oz./Ag/ton and 53.1% Pb.

A switch is to be installed near the face to facilitate tramming. Tramming time at the present is 8 minutes for a round trip.

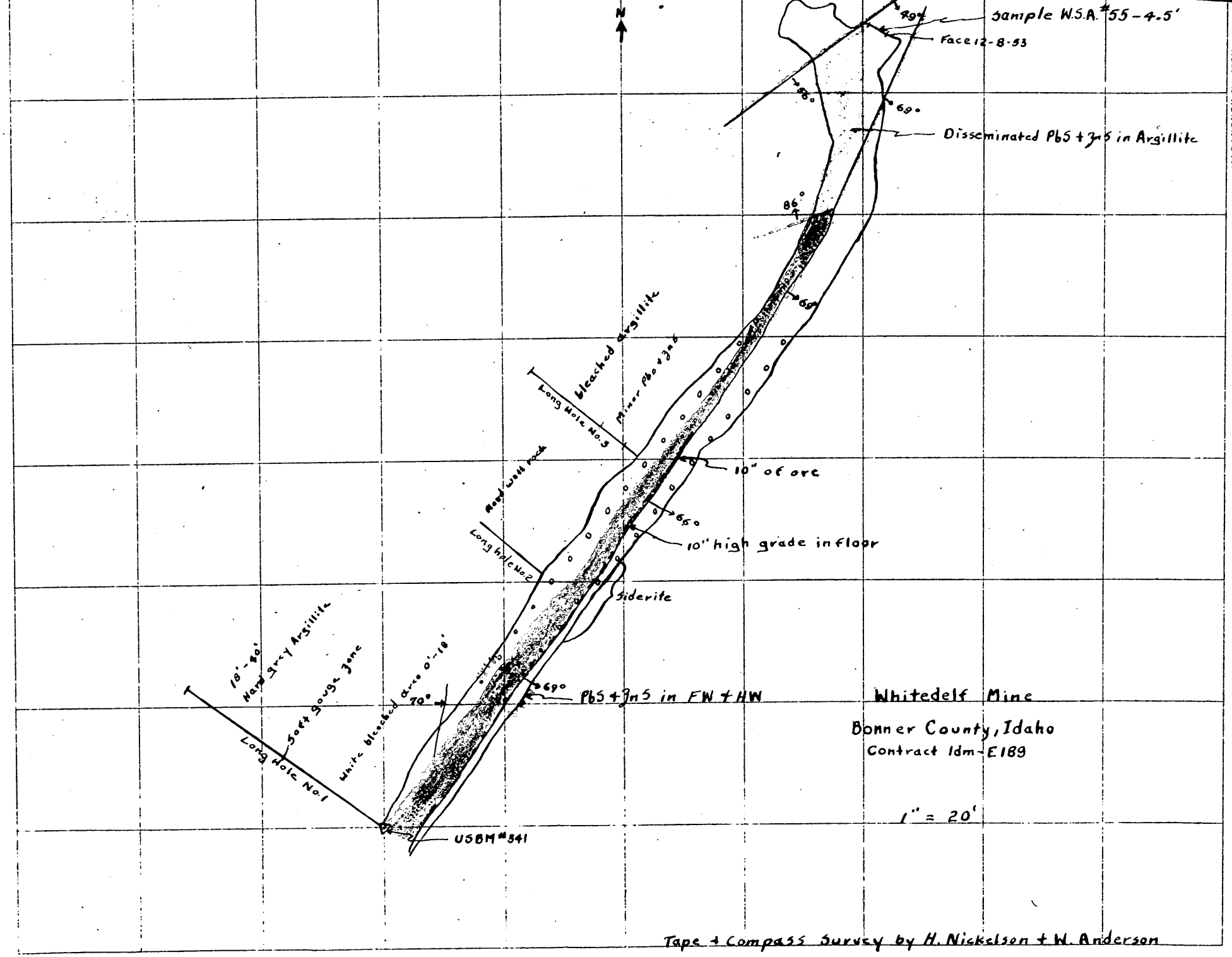
The walls of the drift from USBM 341 ahead started sloughing and 13 sets of timber were placed. Placing of the timber required four days and no advance in the drift was made during this time.

It was recommended to Mr. White that he continue the drift on the Pearl vein to the limits of the ore body. Footage left to be driven under the contract after the limit of the ore body is reached will be used in drifting south from the 800 level crosscut to explore for the Dougherty ore shoot.

W. S. Anderson

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he



"ALBANENE" NO. 18GM K&E CO. REG. U.S. PAT. OFF.

Form [illegible] (Rev.)
[illegible] 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1
Approval expires 6-30-5[illegible]

RECEIVED

OPERATOR'S MONTHLY REPORT AND VOUCHER

1/6/54 - Received by J.W.A.

Month of November, 195 3 Docket No. DMEA 255 X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Building, Spokane, Wash.
Contract Amount, $ 162,250.00 Government Participation: 50 % Amount, $ 81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						1/6/54 J.W.A.
~~Drilling~~ Station		1,500.00	1,500.00			
Bulldozing						
Crosscutting Sinking		64,130.97	64,130.97			
Drifting		9,222.61	9,222.61			
Rehabilitation		10,175.17	10,175.17			
(2) Labor and Supervision:						
Labor	2515.12	19,773.69	22,288.81			
Supervision	300.00	5,700.00	6,000.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber		7,137.01	7,137.01			
Explosives		1,912.13	1,912.13			
Pipe		955.12	955.12			
Track		539.95	539.95			
Miscellaneous	17.78	2,927.02	2,944.80			
Hoist rope		489.30	489.30			
(4) Operating Equipment:						
Rental						
Purchase		2,748.88	2,748.88			
Depreciation	321.66	3,843.35	4,165.01			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1,112.29	1,112.29			
Sampling and Analysis Rock	510.00	4,663.00	5,173.00			
Payroll Taxes	215.46	3,224.06	3,439.52			
Liability Insurance						
Auditing	100.00	2,200.00	2,300.00			
Transportation		44.30	44.30			
Assaying		14.50	14.50			
(8) Contingencies (specify):						
TOTALS	3980.02	142436.26	146416.28			

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Dec. 14, 1953 Payee WHITEDELF MINING AND DEVELOPMENT CO.

Per Compton Jewell Jr. Title President

*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.

→ 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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1990.01

Signature [illegible]
(Authorized Certifying Officer)

Date 12/28/53 Vou. No. 1029
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 189 in accordance with the terms of the contract.

Signature /S/ Webster S. Anderson Title Mining Engr. Date 12/21/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Stephen W. Zoldok Title Mining Engr Date 12/21/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form [illegible] 104A
(April 1952)

Budget Bureau No. 42-
Approval expires 6-30

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1953 Docket No. DMEA 255 X Contract No. Idm 189

Operator's Name Whitedelf Mining & Development Co. Minerals Lead

Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	3980.02	103	45950.67	997	46.09	1100	52.50
Crosscutting								
Raising								
Shafts				76225.49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				122176.16				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2748.88				
Initial Rehabilitation and Repairs				17937.11				
New Buildings, Improvements, etc. Station				3554.13				
TOTAL COSTS				146416.28				

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.

Date Dec. 14, 1953 Operator WHITEDELF MINING & DEVELOPMENT CO.

Per [signature] Title PRESIDENT

REMARKS:

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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Clarkfork, Idaho
December 17, 1953

Bureau of Mines
Defense Minerals Exploration Administration
1201 North Division Street
Spokane 2, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of November 1953.

The drift along the Pearl Vein was extended 103 feet to the north during the month.

Right after the first of the month a small commercial shoot of ore was intersected in the face of the drift and extended approximately 15 feet before feathering out in a full face of mill feed. The drift was then extended approximately thirty feet along a barren section of vein to a small slip on the footwall side behind which was observed considerable sulfide mineralization. The drift was then swung slowly to the left and was driven in ore for approximately thirty feet. The vein and mineralized area was observed to be approximately 17 feet wide and the drift was extended into the footwall and the country rock which was observed ot be in place.

It is intended to extend the drift to the north on the foot wall side of the mineralized area to determine the extent of the ore shoot.

Sincerly,

Whitedelf Mining and Development Co.

Compton J. White Jr.

Compton J. Wh

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

1201 N. Division St.
Spokane 2, Washington
November 20, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection, Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf mine was visited November 13, 1953, accompanied by Howard Nickelson, Geological Survey. Mr. Compton I. White, Jr., president of the Company, was present during the visit.

The face of the drift on the Pearl vein was at USBM 341 + 97 feet for an advance of 62 feet since the visit of October 26, 1953. The drift was run bald except for timbering from USBM 341 + 54 to 64 feet.

Total work completed under the exploration project contract to date is as follows:

Drifting	687 feet
Crosscutting	258 feet
Sinking	413 feet

Mr. White has been running his mill intermittently to process ore that has been recovered to date from exploration work. Mill operation to date has been mainly to check all operations so that the mill will be ready for operation if a minable ore shoot is intersected. Results of mill tests?

The miners at the property are maintaining satisfactory progress, averaging 5 feet of advance per shift.

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
WSA/he

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

November 18, 1953

MEMORANDUM

To: Field Team, Region II

From: Howard B. Nickelson, Geologist, U. S. Geological Survey, and Webb Anderson, Mining Engineer, U. S. Bureau of Mines

Subject: Routine Inspection, Docket No. DMEA-255 (lead), Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189.

The mine was visited on November 13, 1953, by the writers accompanied by Mr. Compton White, Jr.

The advance since the last visit on October 26, 1953, was 64 feet, making the face at USBM No. 341 plus 97 feet.

The total work completed to date is as follows:

Drifting	687 ft.	Sinking 413 ft.
Crosscutting	258 ft.	

The drift is now within approximately 10 feet of the projection of USBM DDH No. 3.

The ore reported in the last Inspection Report pinched out the following round. Another stringer of ore was encountered which also pinched out within about 20 feet. Four rounds were saved as development ore from this lense. The lense reached a maximum of 10 inches in width. A 2- to 4-inch stringer of gouge with crushed sulphides was present in the face.

Mr. White was of the opinion the ore could be on the footwall of the shear zone because the footwall at the present time is very bleached and crushed with occasional one-fourth inch stringers of sphalerite leading into the footwall. In order to test this footwall, he has drilled three long holes ranging in length from 18 to 40 feet, about 50 feet apart. The long holes have not encountered any ore, but have outlined the bleached footwall zone which is about 20 to 25 feet wide. Mr. White intends to continue these long holes into the footwall at 50-foot intervals.

The hanging wall rocks are relatively unaltered, but pronounced drag folds can be observed.

It appears the drift is along the hanging wall of the Pearl vein. Future long holes should encounter any ore if a footwall strand is present. Costs of the long holes will be covered by the allowable cost of drifting. Drifting cost as indicated on the last voucher was in the neighborhood of $46 to $47 per foot.

It is surprising how good the air is at the face of the drift considering there is 800 feet of shaft and some 900 feet of crosscut and drift with no ventilation fan.

Workmanship is satisfactory.

Distribution:
DMEA(Orig.&3)
USBM(2)
Docket
Nickelson

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of October, 1953 Docket No. DMEA 255-X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg. Spokane 1, Wash.
Contract Amount, $ 163,250.00 Government Participation: 50 % Amount, $ 81975.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Station		1500.00	1500.00			
Bulldozing						
Crosscutting Sinking		64130.97	64130.97			12/7/53 J.W.A.
Drifting		9222.61	9222.61			
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	2948.07	16825.62	19773.69			
Supervision	300.00	5400.00	5700.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	200.00	6937.01	7137.01			
Explosives		1912.13	1912.13			
Pipe		955.12	955.12			
Track		539.95	539.95			
Miscellaneous	14.29	2912.73	2927.02			
Hoist Rope		489.30	489.30			
(4) Operating Equipment:						
Rental						
Purchase		2748.88	2748.88			
Depreciation	321.66	3521.69	3843.35			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1112.29	1112.29			
Sampling and Analysis Power		4663.00	4663.00			
Payroll Taxes	240.47	2983.59	3224.06			
Liability Insurance						
Auditing	100.00	2100.00	2200.00			
Transportation		44.30	44.30			
(8) Contingencies (specify): Assaying		14.50	14.50			
TOTALS	4124.49	138311.77	142436.26	4124.49	138311.77	142436.26

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Nov. 4, '53 *Payee WHITEDELF MINING AND DEVELOPMENT CO.

Per Compton Hewitt Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2062.25

Signature (Authorized Certifying Officer)

Date 11/19/53 Vou. No. 982

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-189 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Eng Date Nov 12-1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Eng Date Nov 12-1953

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
RECEIVED
NOV 3 1953

Month of October 1953 Docket No. DMEA 255-X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals LEAD
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	4124.49	116½	41970.65	894	46.94		
Crosscutting								
Raising								
Shafts				76225.49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				118196.14				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2748.88				
Initial Rehabilitation and Repairs				17937.11				
New Buildings, Improvements, etc.								
Station				3554.13				
TOTAL COSTS				142436.26				

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.

Date Nov. 4, 1953 Operator WHITEDELF MINING AND DEVELOPMENT CO.

Per Compton Jurlie Jr. Title President

REMARKS:

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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Clarkfork, Idaho
November 8, 1953

Bureau of Mines
Defense Minerals Exploration Administration
1201 North Division Street
Spokane 2, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of October.

The drift along the Pearl Vein was extended 116½ feet to the north during the month.

Some mineralization was encountered in the joints of the country rock along the hanging-wall side of the vein. A mineralized area was also observed along the footwall gouge streak which contained a small amount of galena and sphalerite. Neither of these mineralized sections were of a commercial nature and were observed in the last 50 feet of drift.

The work continues in a satisfactory manner and it is anticipated that the target area will be reached on or about the 15th of November.

Sincerely,

Compton Con. White Jr.

Compton I. White Jr.

COPY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 16 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
N. 1201 Division Street
Spokane 2, Washington

October 28, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, U. S. Bureau of Mines

Subject: Routine inspection, Whitedelf Mine, Bonner County, Idaho
Contract Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf mine was visited October 26, 1953. Present at the property at the time of the visit were two miners, a skip tender, trammer, and hoistman. Mr. Compton I. White, Jr., president of the Whitedelf Mining & Development Company and supervisor at the mine, was in Spokane, Washington on a business trip.

A tape and compass survey was made of drift advance since the last visit of September 22, 1953. The face is now at USBM 334 + 223 feet, an advance of 125.5 feet since September 22, 1953. USBM 341 was placed on a plug in the back of the west side of the drift at USBM 334 + 190 feet.

Total work completed under the exploration project contract to date is as follows:

Drifting	- 623 feet
Crosscutting	- 258 feet
Sinking	- 413 feet

The drift on the Pearl vein should be advanced approximately 75 feet to reach the ore body which was intersected by USBM DDH No. 3.

In the face of the drift, 5 stringers of galena mineralization varying from 1/4- to 1-inch in width and from 1 to 2 feet apart parallel the hanging wall of the Pearl vein. Galena was noted in fractures in the argillite and chert in both the hanging wall and footwall. This seems to indicate that the drift is nearing the ore shoot which is the target of the exploration.

In the face, the hanging wall of the Pearl vein dips 69° to the southeast and strikes N. 38° E.

Fifty-three feet back from the face, the mineralized section of the Pearl vein widens to 1 foot and cuts diagonally across the structure from the footwall to the hanging wall side. A sample was cut across the ore at this point and another sample was cut in the hanging wall at the face.

The last 90 feet of the drift has been run bald and there has been no apparent sloughing of either the back or walls.

The operator has reversed the hoisting cable and since the placement of rollers in the shaft wear on the cable has been reduced approximately 50 percent.

Progress to date in drifting on the Pearl vein has been satisfactory and good standards of work have been maintained.

A map is attached showing work to date.

Enclosure

Distribution:
Orig. & 3 cys - Wash.
USGS (2)
DMEA
MD
AD
WSA/fw

Form MM-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

Wash

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1953 Docket No. DMEA 255-X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg. Spokane, Wn.
Contract Amount, $168,250.00 Government Participation: ____% Amount, $31975.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Station		1500.00	1500.00			
Bulldozing						10/26/53 J.W.A.
Crosscutting Sinking		64130.97	64130.97			
Drifting		9222.61	9222.61			
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	2324.05	14603.20	16927.25	2222.42	14603.20	16825.62
Supervision	300.00	5100.00	5400.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber		6937.01	6937.01			
Explosives	409.00	1503.13	1912.13			
Pipe	119.78	835.34	955.12			
Track		539.95	539.95			
Miscellaneous	87.69	2825.04	2912.73			
Hoist Rope		489.30	489.30			
(4) Operating Equipment:						
Rental						
Purchase		2748.88	2748.88			
Depreciation	321.66	3200.03	3521.69			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1112.29	1112.29			
Sampling and Analysis Power	192.00	4471.00	4663.00			
Payroll Taxes	220.99	2771.44	2992.43	212.15	2771.44	2983.59
Liability Insurance						
Auditing	100.00	2000.00	2100.00			
Transportation		44.30	44.30			
(8) Contingencies (specify): Assaying		14.50	14.50			
TOTALS	4075.17	134347.07	138422.24	3964.70	134347.07	138311.77

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Oct. 7, 1953 Payee WHITEDELF MINING & DEVELOPMENT CO. Compton S. White Jr.

Per _____ Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$1982.35

Signature _____ (Authorized Certifying Officer)

Date 10/19/53 Vou. No. 942
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 189 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Engr Date 10/9/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 10/9/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1953 Docket No. DMEA 255 X Contract No. Idm 189

Operator's Name Whitedelf Mining & Development Co. Minerals Lead

Address 401 Empire State Bldg., Spokane 1, Wn.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft.	4076.17	93½	37966.63	777.5	47.79		
Crosscutting								
Raising								
Shafts				76225.49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				114182.12				Total Costs Authorized by Contract
Operating Equipment Purchased				2748.88				
Initial Rehabilitation and Repairs				17937.11				
New Buildings, Improvements, etc.								
Station				3554.13				
Total Costs				138422.24				

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.

Date Oct. 7, 1953 Operator WHITEDELF MINING AND DEVELOPMENT COMPANY

Per Conyles [illegible] Title President

Remarks:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

October 6, 1954

Department of the Interior,
Defense Minerals Exploration Admn.,
1201 North Division Street,
Spokane 2, Washington.

Contract No. Idm 189
Docket No. DMEA 255-X

Gentlemen:

The following progress was made at the Whitedelf Mine During the month of September, 1953.

The drift to the north ore objective was extended 95½ feet. A small amount of sulphide mineralization has been encountered along the footwall gouge seam this entire distance, at one point opening up to approximately six inches in width. However at no point has a commercial amount of ore been intersected during the month.

The first 4½ shifts of the month of September were expended in timber repair at the point directly behind the shaft where the south sector of the vein was first intersected. This was necessitated by the weak nature of the wall and pillar left after turning onto the vein. The timber was taking considerable "squeeze" and it was necessary to relieve the existing timber and add extra sets on the curve and at the point where the drift was started. This particular section of the tunnel at present shows no further serious failing.

It is felt that work is still progressing in a satisfactory manner and that sometime in the month of November, barring unforeseen difficulties, the target area will be reached.

Sincerely,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton J. White

Compton J. White, Jr., President

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

September 25, 1953

Memorandum

To: DMEA Field Team, Region II

From: Howard B. Nickelson, Geologist, U. S. Geological Survey, and Webb Anderson, Mining Engineer, U. S. Bureau of Mines.

Subject: Docket No. DMEA-255 (lead), Routine Inspection, Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189.

The subject property was visited by the writers on September 22, 1953, accompanied by Mr. Compton White, Jr.

Survey tag USBM 334 was placed 97½ feet beyond Survey tag USBM 308. The advance on August 27 was 22 feet beyond Survey tag USBM 334. The face is now 97½ feet beyond Survey tag USBM 334. The advance since August 27 has been 75½ feet. The total work completed under the exploration project is: drifting, 497½ feet; crosscutting, 258 feet; and sinking, 413 feet.

The 6-inch ore stringer encountered at the face on August 27 continued for approximately 20 feet then pinched out. No ore was present in the face on the date of the inspection.

Sample No. 440, taken 22 feet ahead of Survey tag USBM 334, assayed 45.9 ozs. silver and 15.1 percent lead over a width of 0.5 feet.

Two sets of timber were installed in the drift to catch up an area where the timber has taken weight. Eight doubling-up sets of timber were installed at the drift and crosscut intersection because the present timber indicated some pressure.

Workmanship is satisfactory.

Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Nickelson

MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1953 Docket No. DMEA 255 x Contract No. Idm- 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.
Contract Amount, $ 163 250 00 Government Participation: 50 % Amount, $ 81 975 00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drilling~~ Station		1500 00	1500 00			
Bulldozing						
~~Crosscutting~~ Sinking		64130 97	64130 97			
Drifting	1538 73	7684 14	9222 92	1538.73	7684.14	9222.92
Rehabilitation		10175 17	10175 17			
(2) Labor and Supervision:						
Labor	1592 30	12975 90	14568 20	1592.30	12975.90	14568.20
Supervision	300 00	4800 00	5100 00			
Technical Services		122 91	122 91			
(3) Operating Mat'ls. and Supplies:						
Timber	110 00	6827 01	6937 01			
Explosives		1503 13	1503 13			
Pipe		335 34	835 34			
Track		539 95	539 95			
Miscellaneous	103 25	2721 79	2825 04			
Hoist Rope		489 30	489 30			
(4) Operating Equipment:						
Rental						
Purchase		2748 38	2748 38			
Depreciation	321 66	2878 37	3200 03			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		1112 29	1112 29			
~~Sampling and Analysis~~ Power	330 00	4141 00	4471 00			
Payroll Taxes	291 20	2577 21	2868 41	291.20	2577.21	2868.41
Liability Insurance		14 50	14 50			
Auditing	100 00	1900 00	2000 00	100.00		
Transportation		44 30	44 30			
(8) Contingencies (specify):						
TOTALS	4687 19	129722 16	134409 35	4687.19	129722.16	134409.35

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Sep. 11, 1953 Payee Whitedelf Mining and Development Company

Per Comfort DeWitt Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2312 46

Signature (Authorized Certifying Officer)

Date 9/22/53 Vou. No. 917
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Engr Date 9/18/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 9/18/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-102A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of AUGUST 3 195 Docket No. DMEA 255 X Contract No. Idm-189

Operator's Name Whitedolf Mining & Development Co. Minerals Lead

Address 601 Empire State Bldg., Spokane 1, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
		462 [illegible]		33 [illegible]		49.53 [illegible]		
Drifting	Ft.	~~4667 19~~	119½	~~35 943 74~~	684	~~49.625~~	1100	52.50
Crosscutting								
Raising								
Shafts				76 225 49				
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				~~110 169 23~~ 110 106.93				Total Costs Authorized by Contract
Operating Equipment Purchased				2 748 86				
Initial Rehabilitation and Repairs				17 937 11				
New Buildings, Improvements, etc. Station				3 554 13				
Total Costs				~~134 409 33~~ 134 347.01				

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.

Date Sept. 11, 1953 Operator Whitedolf Mining and Development Co

Per [signature] Title President

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.

Remarks:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Clarkfork, Idaho
September 15, 1953

Department of the Interior
Defense Minerals Exploration Admn.
1201 North Division St.
Spokane 2, Washington

Gentlemen:

The following progress was made at the Whitedelf Mine in extending the drift on the 800 foot level during the month of August:

The drift to the north ore body was extended a total distance of 119½ feet. Approximately 20 feet of the total drifting done was incorporated in a crosscut to explore the hanging wall and to provide switching room for muck cars in order that more than one car could be used to remove the broken material.

A small amount of mineralization has been encountered in the vein along the entire drifting done during the month at no one place was a commercial ore body intersected.

Sincerely,

Whitedelf Mining and Development Co.

Compton J. White Jr

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

1201 N. Division St.
Spokane 2, Washington

Defense Minerals Administration
RECEIVED
OCT 8 1953

September 11, 1953

Memorandum:

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines, and Howard Nickelson, Geologist, Geological Survey

Subject: Routine inspection, Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The subject property was visited August 27, 1953 accompanied by Compton I. White, Jr., President of the Whitedelf Mining & Development Co.

The face of the drift on the Pearl Vein has been advanced to USBM No. 308 plus 119 feet which is an advance of 82 feet since the visit of July 31, 1953. At USBM No. 308 plus 60 feet a crosscut was driven on a bearing of S 30 degrees E for a distance of 26 feet. The crosscut is used as a switching point so that a car can be kept at the face while one is being trammed. This has cut the tramming time 50 percent of what it was when only one car was used for tramming.

Total work completed under the exploration project is: drifting--422 feet, crosscutting---258 feet, and sinking--413 feet.

The Pearl vein has been mineralized for the last 70 feet of advance with the stringer of ore averaging from 1" to 6" in width. The back and walls of the drift were lagged and the width and length of the ore is as stated by Mr. White. The ore in the face was 6" in width and a sample (No. 440) was cut across it and will be assayed for lead, zinc and silver.

The average rate of advance in the drift is approximately 5 feet per shift. The Operator is using a 5-hole burn cut and drilling from 16 to 18 holes per round. From 9 to 11 pounds of powder is used per foot of advance.

The miners at the property are very competent and good standards of workmanship have been maintained.

W. S. Anderson
W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2), DMEA, Md,
WSA/kt

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

Wash

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1953 Docket No. DMEA 255-X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Building, Spokane, Wn.
Contract Amount, $ 163,250.00 Government Participation: % Amount, $ 81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						9/9/53. J.W.A.
Station		1500.00	1500.00			
Bulldozing						
Sinking		64130.97	64130.97			
Drifting	1132.86	6551.28	7684.14			
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	1569.90	11406.00	12975.90			
Supervision	300.00	4500.00	4800.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	415.24	6411.77	6827.01			
Explosives	109.50	1393.63	1503.13			
Pipe	32.22	768.72	800.94	66.62	768.72	835.34
Track	257.04	282.91	539.95			
Miscellaneous	254.51	2416.36	2670.87	305.43	2416.36	2721.79
Hoist Rope		489.30	489.30			
(4) Operating Equipment:						
Rental						
Purchase	86.25	2748.88	2835.13	-0-	2748.88	2748.88
Depreciation	321.66	2556.71	2878.37			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	212.30	899.99	1112.29			
Power	234.00	3907.00	4141.00			
Payroll Taxes	252.43	2324.78	2577.21			
Liability Insurance		14.50	14.50			
Auditing	100.00	1800.00	1900.00			
Transportation		44.30	44.30			
(8) Contingencies (specify):						
TOTALS	6277.91	124445.18	129723.09	5276.98	124445.18	129722.16

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug. 12, 1955 Payee WHITEDELF MINING AND DEVELOPMENT CO.

Per Compton Little Jr. Title President

*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.

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.

(Instructions on reverse)

93¢ deleted for discounts
Expenses redistributed

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$2638.49

Signature
(Authorized Certifying Officer)

Date 8/21/53 Vou. No. 887
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature /S/ Wilkter S Anderson Title Mining Eng Date 8/17/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Eng Date 8/17/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1953 Docket No. DMEA 255-X Contract No. Idm 189

Operator's Name Whitedelf Mining & Development Co. Minerals Lead

Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	5276.98 ~~5191 66~~	90½	29256.55 ~~29404 23~~	564.5	51 09	1100	52.50
Crosscutting								
Raising								
Shafts	Ft.			76225.49 ~~76055 94~~	418	184 30	410	100.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		5276.98		105.481.04 ~~105470 97~~				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		-0- ~~80 95~~		~~8875 93~~	2748.88			
Initial Rehabilitation and Repairs				~~17880 44~~	17937.11	(17937.11)		
New Buildings, Improvements, etc. Station				~~3526 60~~	3554.13			
TOTAL COSTS		5276.98		~~129723 39~~ 129722.16				

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.

Whitedelf Mining & Development Co.

Date August 12, 53 Operator Conflow J. White Jr

Per _____ Title President

REMARKS: 104A's Corrected

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

August 13, 1953

Department of the Interior,
Defense Minerals Exploration Administration
1201 North Division Street,
Spokane 2, Washington.

Contract No. Idm 139
Docket No. DMEA 255-X

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of July, 1953.

The drift following the Pearl Vein was extended 90½ feet, and the broken area that was intersected near the end of the month of June is believed to be the downward extension of the Pugh Fault. The apparent horizontal displacement of the fault is approximately twenty feet. The vein on the north side of the fault exhibits the correct dip and strike and is otherwise similar to the Pearl Vein.

At the beginning of the month of August there remained approximately 350 feet of drifting yet to be driven to reach the point where the United States Bureau of Mines diamond drill hole intersected the mineralized area in the Pearl Vein.

The drift to date has required quite heavy timbering more than ninety percent of its length.

Sincerely

WHITEDELF MINING AND DEVELOPMENT CO.

Compton I. White Jr.

Compton I. White, Jr., President.

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
August 6, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection Whitedelf Mine, Bonner County, Idaho. Contract Idm-E189, Docket No. DMEA 255 (lead)

The Whitedelf Mine was inspected July 31, 1953, in company with Howard Nickelson, geologist, USGS. Mr. Compton I. White, Jr., was at the property at the time of the visit.

The drift to the northeast on the Pearl Vein has been advanced 35 feet since the last visit for a total of 340 feet of drifting on the Pearl Vein. Total work completed under the exploration project contract is as follows:

Drifting	340 feet
Crosscutting	232 "
Sinking	413 "

USBM No. 308 was placed on a cap at USBM No. 305 plus 93 feet.

The operator in drifting on the Pearl Vein since the time of the previous visit of July 14, 1953, did not timber the drift and as a result there was approximately 40 feet of drift that caved. This was caught up and timbered and the operator was advised to carry timber with his advance.

The operator has placed two rollers for the cable in the shaft and stated that he will place two more to keep the cable from cutting the wall plates.

Attached is a map showing the work to date and also USBM D.D.H. No. 3 was plotted to show the ore intersection which is one of the targets of the exploration project.

A call was placed to Mr. Compton I. White, Jr., Tuesday, August 4, 1953, advising him to crosscut from the present face of the drift on the Pearl Vein at a bearing of S 38 E to explore for the hanging wall split of the Pearl Vein to be sure that further drifting will be on the strand intersected by USBM D.D.H. No. 3. This matter was discussed with Tom Howard, Bureau of Mines, and Thor Kiilsgaard, USGS, and they were in agreement that this crosscut should be driven.

W. S. Anderson

W. S. Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
July 17, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine inspection Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead).

An inspection was made of the subject property July 14, 1953.

The drift to the northeast on the Pearl Vein has been advanced 59 ft. since the last visit for a total of 305 ft. of drifting on the Pearl vein. Other work under the exploration project which has been completed, is 232 feet of crosscutting and 413 ft. of sinking.

Measuring points were established along the Pearl vein as follows:

USBM #303	Crosscut + 38'
USBM #304	USBM #303 + 81'
USBM #305	USBM #304 + 91'

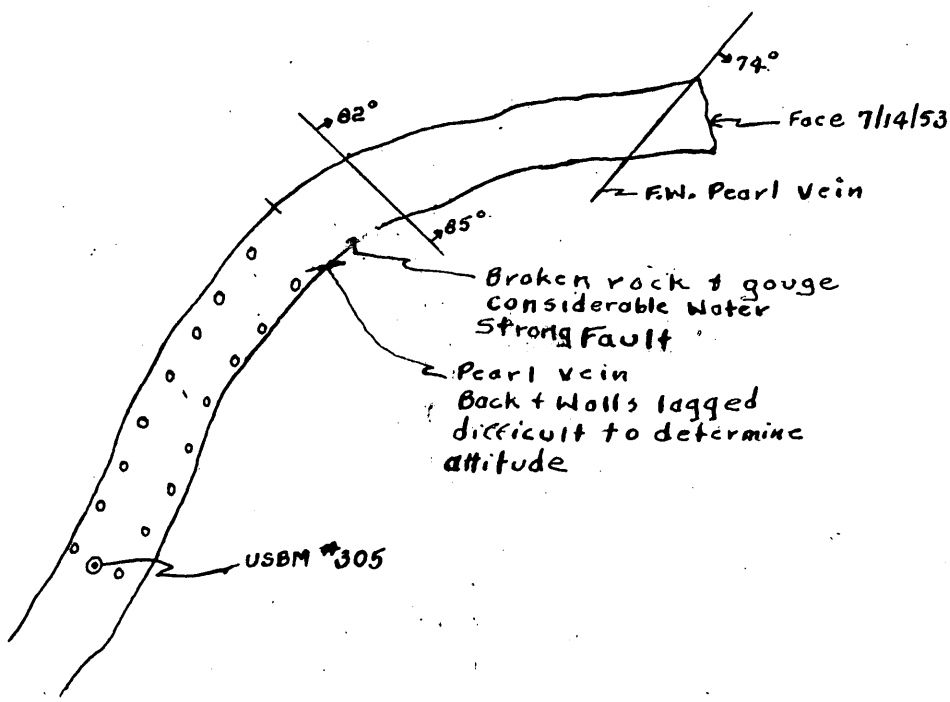
From USBM #305 + 40 to USBM #305 + 50, a fault was intersected which made considerable water. This fault apparently offset the Pearl vein to the east as shown on the attached sketch. The Pearl vein was again intersected at the face of the drift and strikes N 40° E and dips 74° to the southeast. There were small blebs of sphalerite and some galena in the face, but not in significant amounts.

Eight sets of timber were required ahead of USBM #305 and from this point the drift was driven bald to the present face. Timber will be required in further advance on the Pearl vein.

A new cable has been installed for hoisting, but rollers ordered from Coeur d'Alene Hardware have not been received. Mr. Compton White, Jr., President, Whitedelf Mining Co. was not at the property but will be contacted as to the reason for the delay in getting the rollers and having them installed.

W. S. Anderson

W. S. Anderson



Whitedelf Mine
Bonner County, Idaho
Docket No. 255

Scetch by W.S.A. 7-14-53

[illegible]-194 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1953 Docket No. DMEA 255-X Contract No. Idm-189

Operator's Name Whitedelf Mining & Development Co. Minerals Lead

Address 401 Empire State Bldg., Spokane 1, Wn.

Contract Amount, $163,950.00 Government Participation: 50% Amount, $ 81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Station		1500.00	1500.00			
Bulldozing						
Sinking		64130.97	64130.97			
Drifting	1448.98	5102.30	6551.28			
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	1835.08	10070.92	11906.00	1335.08	10070.92	11,406.00
Supervision	300.00	4200.00	4500.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	658.21	5753.56	6411.77			
Explosives		1393.63	1393.63			
Pipe	127.35	641.37	768.72			
Track		282.91	282.91			
Miscellaneous	57.62	2358.74	2416.36			
Hoist Rope	256.30	233.00	489.30			
(4) Operating Equipment:						
Rental						
Purchase		2748.88	2748.88			
Depreciation	321.66	2235.05	2556.71			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	57.35	842.64	899.99			
Power	222.00	3685.00	3907.00			
Payroll Taxes	268.20	2056.58	2324.78			
Liability Insurance	3.62	49.06	52.68		49.06	-0-
Auditing	100.00	1700.00	1800.00			
Transportation		44.30	44.30			
Assaying	4.00	10.50	14.50			
(8) Contingencies (specify):						
TOTALS	5660.37	119337.49	124997.86	5107.69	119,337.49	124,445.18

Paid Betty 8/14/53 J.W.A.

I certify that the above bill is correct and just and that payment therefor has not been received.

Date July 9, 1953 Payee Whitedelf Mining and Development Company

Per [signature] Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$2553.85

Signature [signature] (Authorized Certifying Officer)

Date 7/29/53 Vou. No. 855
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. 189 in accordance with the terms of the contract.

Signature /s/ Webster S. Anderson Title Mining Engr Date 7/27/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E. Howard Title Mining Engr Date 7/27/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1953 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	Ft.	5660.37	111	24765.25	474	52.24	1100	52 50
Crosscutting								
Raising								
Shafts	Ft.			76065.84	413	184.30	410	180 00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				100831.09				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2789.73				
Initial Rehabilitation and Repairs				17850.44				
New Buildings, Improvements, etc.								
Station				3526.60				
TOTAL COSTS				124997.86				

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.

Date July 9, 1953 Operator Whitedelf Mining and Development Co.

Per [signature] Title President

REMARKS:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

WHITEDELF MINING & DEVELOPMENT COMPANY

Contract #Idm 189 Docket No. DMEA 255-X

PAYROLL June 1953

Supervision	Rate of Pay	Time Worked	Amount Earned	Drift Contract	Deductions	Net Paid
Compton I. White, Jr. 519-18-3715 Manager	$300 p/mo	1 mo	$300.00		6.00	294.00
Payroll						
Roy E. Detwiler	1.75 p/hr	176 hrs	308.00		64.38	327.62
517-05-5398 Hoistman	2.62½ "	32 hrs	84.00			
Eldon Jeffers	1.80 p/hr	176 hrs	316.80		45.14	358.06
518-05-4127 Mechanic	2.70 p/hr	32 hrs	86.40			
Guy J. Ruse	1.75 p/hr	177 hrs	309.75		64.46	333.22
518-05-4090 Hoistman	2.62½ "	33½ "	87.95			
Harold H. Rounsville 518-12-5755 Miner	Contr.	200 hrs		696.76	96.35	600.41
C. William Rounsville	1.75 p/hr	176 hrs	308.00		30.98	361.02
519-14-6284 Trammer	2.62½ "	32 hrs	84.00			
Fred Sjoden 518-10-2749 Miner	Contr.	200 hrs		696.49	96.35	600.14
Paul M. Thornton	1.75 p/hr	128 hrs	224.00			
533-18-0628 Skip Tender	2.62½ "	8 hrs	21.00			
	Contr.	16 hrs		55.73	55.02	245.71
Edythe I. Fisher 555-01-1859 Auditor	$100.p/mo	1 mo.	100.00		12.75	87.25
			2239.88	1448.98	471.43	3207.45
Eldon Jeffers Chg to Mill		100.80				
Roy Detwiler " " "		294.00	394.80			
			1835.08			

I hereby certify that above is a copy of original payroll for June 1953.

E. I. Fisher Auditor

WHITEDELF MINING & DEVELOPMENT COMPANY

Contract #Idm 189 Docket No. DMBA 255-X

PAYROLL TAXES June 1953

F.O.A.P. 1½% of	3284.06		49.26
Unemployment Ins. .017 of	3284.06		55.82
Compensation Insurance	3184.06	175.12	
Less hospital fees		12.00	163.12
(Based on $5.50 per $100 of payroll - auditor not included)			268.20

* * * * * * * * * * * * * * * * * *

DRIFT CONTRACT

1953

June 1 - 15th	58 ft drift at $10	580.00	
26 shifts	47 ft timber at $ 3	141.00	
		26)721.00	
		27.73	per shift
June 16 - 30th	53 ft drift at $10	530.00	
	66 ft timbering" $ 3	198.00	
26 shifts		26)728.00	
		28.00	per shift

Harold Rounsville	(12 shifts	at 27.73
	(13 shifts	at 28.00
Ferd Sjoden	(13 shifts	at 27.73
	(12 shifts	at 28.00
Paul M. Thornton	(1 shift	at 27.73
	1 shift	at 28.00

WHITEDELF MINING & DEVELOPMENT CO.

Contract #Idm 189 Docket No. DMEA 255-X

Distribution of Disbursements for June 1953

	Supplies	Mach. Rep.	Power	Timber	Assay	Pipe
Wm. H. Stowell & Co.					4.00	
Crane Co.						127.35
Union Iron Works	256.50					
Montagues Chevron Sta.	19.82					
Hugh C. Pretre				110.44		
Mancha Storage Battery		39.85				
Copco Pacific, Ltd.	37.80					
Mountain States Power Co.			222.00			
Hope Lumber Co.				547.77		
Deer Lodge Electric Co.		17.50				
	313.92	57.35	222.00	658.21	4.00	127.35

Depreciation

Compressor	1 month	133.33
Pumps	1 month	11.67
Drifter	1 month	16.66
Loader	1 month	50.00
Locomotive	1 month	110.00
		321.66

Clarkfork, Idaho
July 20, 1953

Department of the Interior
Defense Minerals Exploration Administration
1201 North Division Street
Spokane 2, Washington

Attn: Mr. Anderson

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of June 1953:

The drift following the Pearl Vein was extended 111 feet and at the end of the month a faulted area was reached which it is believed is the downward extension of the Pugh Fault due to the observed strike and dip of the fault walls.

A mineralized zone in the Pearl Vein was disclosed in the last 70 feet of drift before intersecting the Pugh Fault. The first 45 feet is apparently of a commercial nature having an average width of approximately 2½ feet and showing good mineralization. //

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr.

Compton I. White Jr., Pres.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

July 2, 1953

Memorandum

To: DMEA Field Team, Region II

From: Howard B. Nickelson, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-255 (Lead), Routine Inspection, Whitedelf Mine, Bonner County, Idaho, Contract No. Idm-E189

The property was visited by the writer on June 30, 1953, accompanied by Mr. Compton White, Jr.

The attached geologic map shows the present workings to date on the 800 level. The advance since the May 26, 1953, examination has been 123 feet on the Pearl vein. The total drifting and crosscutting to date is 415 feet. The drift has followed the Pearl vein structure. The Pearl vein, as shown on the attached map, has changed strike from about N. 60° E. to N. 30° E., and this change of strike was probably the cause for the occurrence of a 40 to 50-foot lense of ore. The ore lense was not observed because of back lagging, but Mr. White informed the writer of its width and this has been mapped according to his information. These widths are shown on the enclosed map.

Mr. White cut two samples at the same place across a width of 42 inches and these samples ran 28 ounces silver, 1.3 percent lead, 30 ounces silver and no lead. The writer suggested that samples be taken hereafter of every two rounds when drifting in ore for the company's information and for DMEA records. The face of the present drift is nearing the Pugh fault. The wall rock in the footwall of the vein is fractured and bleached. The Pearl vein fault structure in the face strikes in an easterly direction which is probably due to drag from the Pugh fault.

Two samples were taken in the face of the NW drift and will be reported in the next inspection report.

The new cable and rollers have not been installed because of a delay in making the rubber covered rollers. Although the cable is badly worn, no broken strands were noticed. Mr. White is overhauling the mill and plans to mill the ore from the recent discovery. It was suggested head samples be taken of this ore in order to calculate the ore lense grade.

A good job of timbering is being done by the miners.

Enclosure
Distribution:
DMEA (Orig. & 3) USBM (2) Docket Nickelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
1201 N. Division St.
Spokane 2, Washington

July 15, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. W. Anderson, Mining Engineer, Bureau of Mines, Region II

Subject: Routine inspection, Whitedelf Mining & Development Co., Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The subject property was inspected Wednesday, June 25, 1953. Present at the property at the time of the visit were two miners, ship tender, trammer and hoistman. Mr. Compton I. White, Jr., President of the Company, was not present at the property as he was in Spokane, Washington on business.

The drift to the northwest has been advanced 111' since the last visit. Total work completed under the exploration contract follows.

Drifting	246'
Sinking	413'
Crosscutting	232'

Also the shaft station was cut on the 800 level.

Timber has been required for the 246' of drifting with logging on the back and walls. The drift is being carried 5' x 7' in the clear. Drift sets are spaced 5' center to center.

Bars have been placed across the collar of the shaft, but as yet, the rollers have not been installed in the shaft. The miners stated that Mr. White has the rollers ordered from the Coeur d'Alene Hardware Co., Coeur d'Alene, Idaho and that delivery is expected within the next two weeks. Mr. White has a new hoist cable at the property and will install it as soon as the rollers are placed.

An average of 5' of advance per shift is being maintained with approximately 11 lbs. of powder used per foot of advance.

W. S. Anderson
W. S. Anderson

cc: Orig. & 3-Wash.
2-USGS
DMEA
DF
WSA

Form [illegible]-101 (Rev.)
(April 1952)

Budget Bureau No. 42-R103
Approval expires 6-30-53.

Wash

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of May, 1953 Docket No. DMEA 255 B Contract No. Kan 109
Operator's Name Mitchell Mining and Development Co. Minerals Lead
Address 401 Empire State Bldg. Spokane, Wash.
Contract Amount, $ 103,950.00 Government Participation: ____% Amount, $ 81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling: Station		1500.00	1500.00			
Bulldozing						
~~Crosscutting~~ Inking		64180.97	64180.97			
Drifting	1181.00	3921.30	5102.30			
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	1740.03	8330.89	10070.92			
Supervision	300.00	3900.00	4200.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	105.00	5648.56	5753.56			
Explosives	402.00	901.65	1303.65			
Pipe	115.97	525.40	641.37			
Track		252.91	252.91			
Miscellaneous	222.09	3136.65	3358.74			
Hoist rope		255.00	255.00			
(4) Operating Equipment:						
Rental						
Purchase		2740.00	2740.00			
Depreciation	321.00	1915.30	2236.05			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	246.79	596.35	842.64			
Sampling and Analysis: Power	246.00	3439.00	3685.00			
Payroll Taxes	272.35	1734.20	2006.55			
Liability Insurance	3.02	65.98	69.00			
Auditing	100.00	1600.00	1700.00			
Transportation		64.30	64.30			
(8) Contingencies (specify): Assaying		10.50	10.50			
TOTALS	5256.44	112,081.05	117,337.49	5256.44	112,081.05	117,337.49

Gale Hasswold
Selly
6/25/53 J.W.C.

I certify that the above bill is correct and just and that payment therefor has not been received.
Date June 11, '53 *Payee Mitchell Mining and Development Co.
Per Compton Jewell Title President

*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.

→ 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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2628.22

Signature [illegible]
(Authorized Certifying Officer)

Date 6/18/53 Vou. No. 797
(See other side)

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of May 1953 Docket No. DMEA 255 X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	3256.44	39	10104.63	363	32.63	1100	32.50
Crosscutting								
Raising								
Shafts	Ft.			76065.84	413	184.30	410	190.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				95170.72				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3760.73				
Initial Rehabilitation and Repairs				17360.44				
New Buildings, Improvements, etc. Station				3526.60				
TOTAL COSTS				119837.49				

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.

Date June 11, 1953 Operator Whitedelf Mining & Development Company

Per [signature] Title President

REMARKS:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

June 15, 1953

Department of the Interior,
U. S. Bureau of Mines.
1201 North Division Street,
Spokane 2, Washington.

Attention: Mr. Anderson:

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of May.

The drift being driven north along the strike of the Pearl Vein was advanced 89 feet. The work has progressed in a satisfactory manner with a minimum of difficulty. A small amount of water has been encountered; however, the 800 foot level is unwatered by pumping approximately 35 minutes each 24 hours.

An order has been placed with the Coeur dAlene Hardware and Foundry Co for cable idler rollers for installation in the shaft at the Whitedelf Mine. To date, these rollers have not been received.

Sincerely,

WHITEDELF MINES AND DEVELOPMENT CO.

Compton F. White Jr

Compton F. White, Jr. President

COPY

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

June 15, 1953

Memorandum

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines and Howard B. Nickelson, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-255 (lead), Inspection report, Whitedelf Mining and Development Company, Bonner County, Idaho, Contract Idm-E189

The subject property was visited by the writers on May 26, 1953. Mr. Compton White, Jr. accompanied the inspectors.

The attached geologic map shows the present workings to date on the 800 level.

The advance since the last visit has been 60 feet in the Pearl vein drift making a total of 292 feet.

The drift has followed the fault structure of the Pearl vein. The fault consists essentially of two strands. Some blebs of galena were found at the face in the crumpled and brecciated beds in the footwall. Detailed geologic mapping was hindered by top and side lagging in the drift.

The drift following the Northwest vein structure intersected beyond the Pearl vein in the crosscut has been advanced a total length of 86 feet. The Operator drove this N.W. drift about 15 feet farther than he was advised by the field examiners. The drift intersected the Northeast fault believed to be the south strands of the Pugh fault. Beyond this fault the structure followed in the drift became a quartz vein. The vein consists of about 4 feet of quartz on the footwall and about 4 feet of gouge with some mineralization on the hanging wall. The quartz vein does not contain sufficient lead-silver mineralization to be considered ore, but galena does occur in the quartz as specks and blebs. This vein certainly warrants further exploration although its strike length may continue only to the north strand of the Pugh fault. The Pugh fault in this vicinity on the upper levels consists of two nearly parallel faults about 30 feet apart.

The Field Team recommends paying for the 15 feet the Operator performed without the field examiners' consent because valuable geologic information was uncovered and a vein with possible economic value was exposed.

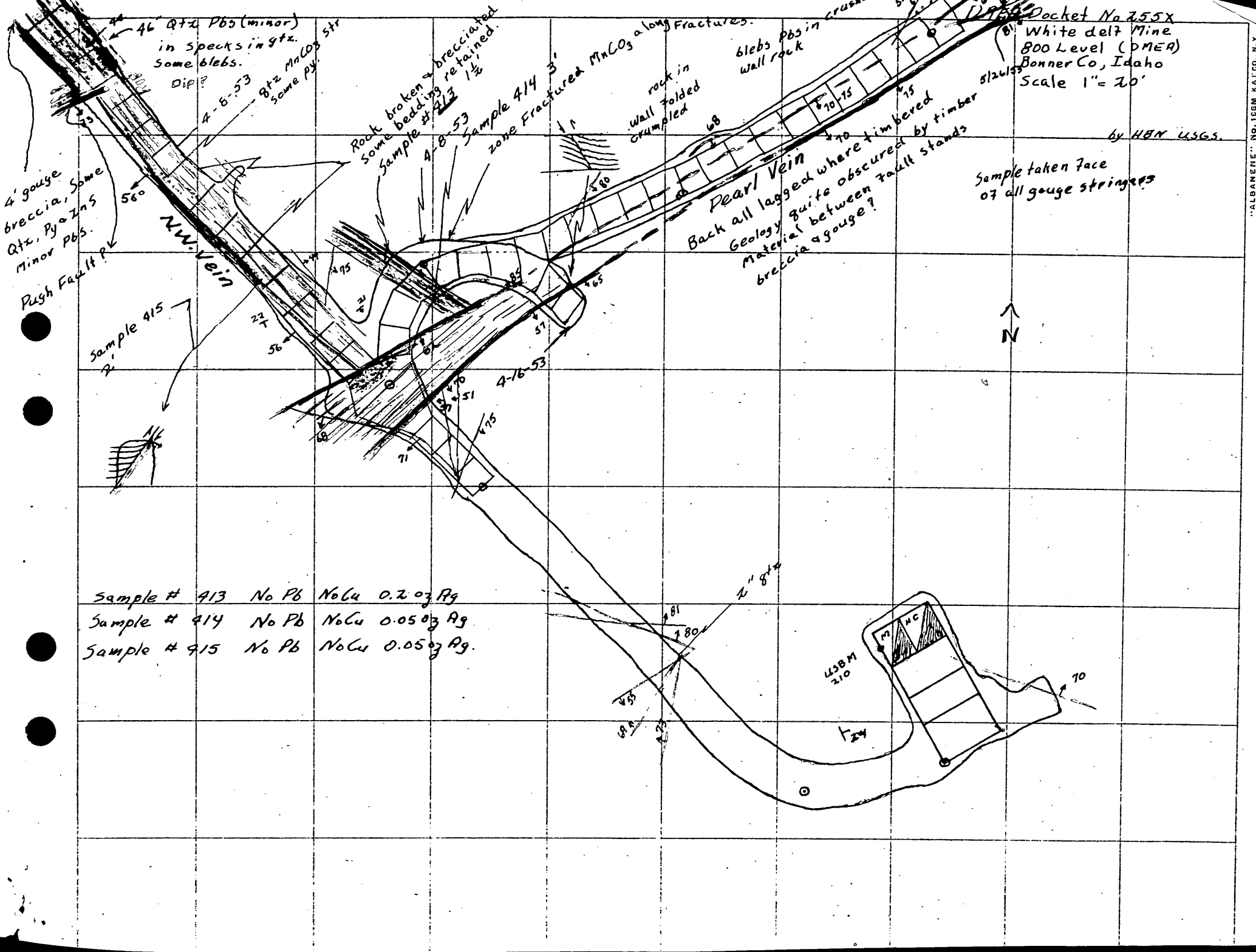
Samples will be cut on the next inspection trip.

One sample was taken at the face of the Pearl vein which consisted of the gouges from the faults.

The Operator has failed to install the necessary rollers and the new cable in the shaft. The last inspection report suggested the Government withhold its share of the costs for the failure to install these items for safe operations. The Operator informed us the hardware company didn't have these rollers in stock and would have to make them which they apparently are taking their own time about doing. The cable has been received and its installation is being withheld until the rollers are received. Mr. White hoped they would be received within a couple of weeks. If the rollers are not installed within that time, it is suggested payment be withheld because the operations are not within the safety specifications.

The miners are averaging 5 feet per round and a good job of timbering has been done.

Enclosure
Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Nickelson


Docket No 255X
White delt Mine
800 Level (DMEA)
Bonner Co, Idaho
Scale 1" = 20'
by HBN USGS.
5/26/53
N
Pearl Vein
Back all lagged where timbered by timber
Geology quite obscured
Material between fault stands
breccia & gouge?
Sample taken face
of all gouge stringers
N.W. Vein
Push Fault?
4' gouge
breccia, Some
Qtz, Py & Zns
Minor Pbs.
4" Qtz Pbs (minor)
in specks in qtz.
Some blebs.
Dip?
4-8-53
qtz MnCO3 str
Some py.
Rock broken & brecciated
Some bedding retained.
Sample #413
Sample 414 3'
zone Fractured MnCO3 along Fractures.
wall rock in
wall folded
crumpled
blebs Pbs in
wall rock
Sample 415
2'
4-16-53
USBM
210
Sample # 413 No Pb No Cu 0.2 oz Ag
Sample # 414 No Pb No Cu 0.05 oz Ag
Sample # 415 No Pb No Cu 0.05 oz Ag.

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

1201 North Division Street
Spokane 2, Washington

May 13, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Routine examination, Whitedelf Mining and Development Co., Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead).

An inspection was made of the subject property May 7, 1953. At the time of the visit there were six men working at the property; two miners, skip tender, hoistman, trammer and one laborer. Mr. Compton I. White, Jr., president of the company, was not present at the property at the time of the inspection.

The drift to the northeast on the 800 level has been straightened out as shown on the attached sketch. The drift has been advanced 25 feet for a total advance of 70 feet of drift under the exploration contract. The crosscut has been advanced 30 feet for a total advance of 232 feet.

As shown on the attached sketch, the drift to the northeast on the Pearl vein should have taken off 20 feet to the southeast which would have eliminated curving back to pick up the Pearl vein as was done.

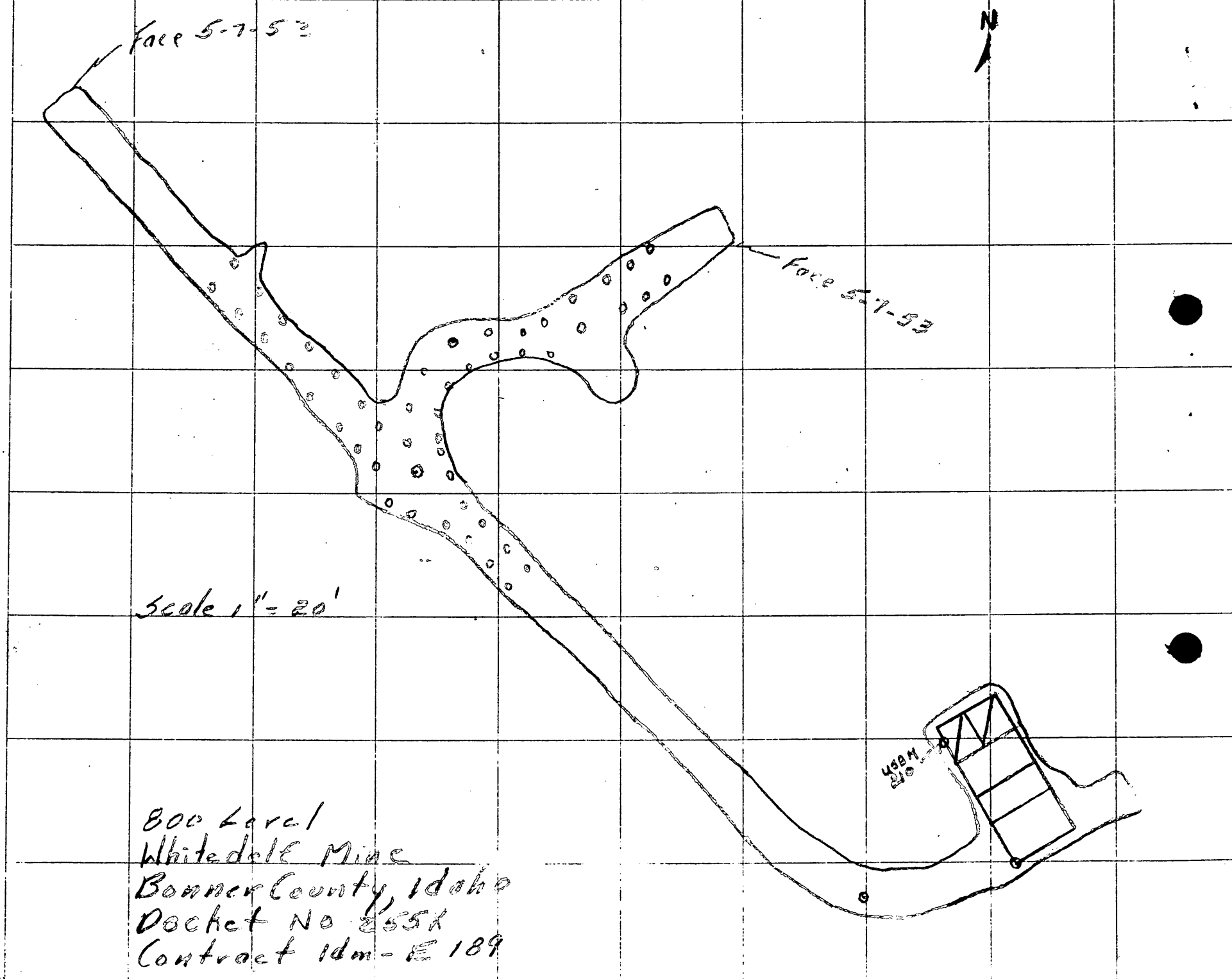
The installing of rollers in the shaft and a safety chain across the collar of the shaft which was recommended at the time of the last visit has still not been done. It is recommended that if safety regulations have not been complied with by the time of the next visit that the Field Team notify Mr. White that the Government will not contribute to the exploration work until such time that he has complied with safety regulations.

Operations which were formerly on two shifts have been cut to one shift and have been on a one shift basis for one month.

W. S. Anderson

W. S. Anderson

Orig. & 3 - Wash.
USGS - 2
DMEA
M/D
WSA/vf
McGuire


Face 5-7-53
Face 5-7-53
N
Scale 1" = 20'
458M
20
800 Level
Whitedale Mine
Bonner County, Idaho
Docket No 2554
Contract Idm-E 189

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of April, 1953 Docket No. DMEA 255 X Contract No. Idm 139
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg. Spokane 1, Wash.
Contract Amount, $163,950.00 Government Participation: 50% Amount, $31,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drilling~~ Station		1500.00	1500.00			~~Allowed~~ ~~Unallowed~~ ~~Bdy~~ 6/9/53 JWC
Bulldozing						
~~Crosscutting~~ Sinking		64130.97	64130.97			
Drifting	1622.62	2298.88	3921.50	1622.62		
Rehabilitation		10175.17	10175.17			
(2) Labor and Supervision:						
Labor	2016.86	6314.03	8330.89	2016.86		
Supervision	300.00	3600.00	3900.00	300.00		
Technical Services	10.50	122.91	133.41	—		
(3) Operating Mat'ls. and Supplies:						
Timber	105.05	5648.56	5753.61	- 0 -		
Explosives	144.60	847.03	991.63	144.60		
Pipe	165.57	359.83	525.40	165.57		
Track	282.91		282.91	282.91		
Miscellaneous	60.12	2076.53	2136.63	60.12		
Maint. Rd.				233.50		
(4) Operating Equipment:						
Rental						
Purchase	233.00	2748.88	2981.88	—		
Depreciation	228.33	1685.06	1913.39	228.33		
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		595.85	595.85	—		
~~Sampling and Analysis~~ Power	300.00	3139.00	3439.00	300.00		
Payroll Taxes	420.43	1363.87	1784.30	420.43		
Liability Insurance	3.62	41.82	45.44	3.62		
Auditing	100.00	1500.00	1600.00	100.00		
[illegible]				—		
[illegible]		44.30	44.30	10.50		
(8) Contingencies (specify):						
TOTALS	5993.61	108192.69	114186.30	5888.36	108192.69	114080.05

I certify that the above bill is correct and just and that payment therefor has not been received.

Date May 9, 1953 Payee Whitedelf Mining and Development Co.

Per Compton Hewlett Title President

*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.

→ 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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$2944.18

Signature [illegible]
(Authorized Certifying Officer)

Date 5/28/53 Vou. No. 781
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. F 189 in accordance with the terms of the contract.

Signature /S/ Webster S. Anderson Title Mining Engr. Date 5/20/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E. Howard Title Mining Engr. Date 5/20/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of April 195 3 Docket No. DMEA 255 X Contract No. Idm 189

Operator's Name Whitedelf Mining & Development Co. Minerals Lead

Address 401 Empire State Bldg. Spokane 1, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	Ft.	5993.61	108	13720.69	274	50.07+	1100	52.50
Crosscutting								
Raising	Ft.			70065.34	413	164.30	410	180.00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		5993.61		89786.63				Total Costs Authorized by Contract
Operating Equipment Purchased				3022.73				
Initial Rehabilitation and Repairs				17850.44				
New Buildings, Improvements, etc.				3526.60				
Total Costs		5993.61		114186.30				

Station

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.

Date May 9, 1953 Operator Whitedelf Mining and Development Co.

Per Douglas Lewis Title President

Remarks:

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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

Clarkfork, Idaho
May 14, 1953

Department of the Interior
Bureau of Mines
1201 North Division Street
Spokane 2, Washington

Attn: Mr Anderson

Gentlemen:

The following progress was made at the Whitedeif Mine during the month of April, 1953:

The crosscut on the 800 foot level was advanced 71 feet and at this point it was decided that the the entire vein structure of the Pearl vein had been intersected and that at the point where the ore had been intersected was the structure to drift on.

The drift was driven an additional 37 feet during the month of April and the structure that has been disclosed shows the characteristics of the Pearl vein as exposed on the upper levels of the mine.

This drift will now be driven to the intersection of the Pearl vein (faulted sector) and the Pugh fault and the remainder of the program as outlined follows.

Sincerely,

Whitedeif Mining and Development Co.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

April 22, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 11 1953

Memorandum

To: DMEA Field Team, Region II

From: Howard B. Nickelson, U. S. Geological Survey

Subject: Docket No. DMA-255 (Lead), Routine inspection, Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189

The Whitedelf mine was visited by the writer on April 16, 1953.

The drift to the northeast was advanced 25 feet and 5 sets of timber installed. The drift cut the hanging wall strand of the Pearl vein, but the footwall strand of the Pearl vein, which was quite pronounced in the crosscut, is not evident or is very weak in the drift as shown on the geologic map attached. This may be the split in the Pearl vein which is evident on the 400 level southwest of the shaft.

The N. 45° W. drift or extension of the crosscut was not advanced, but 5 sets of timber were placed to support the fractured ground in the fault zone.

The Operator was not at the mine at the time of my visit, but a note was left with Mrs. White stating that advance of the N. 45° W. drift should not be extended for more than 3 additional rounds as the remaining contract footage will be needed to reach the exploration objective to the northeast.

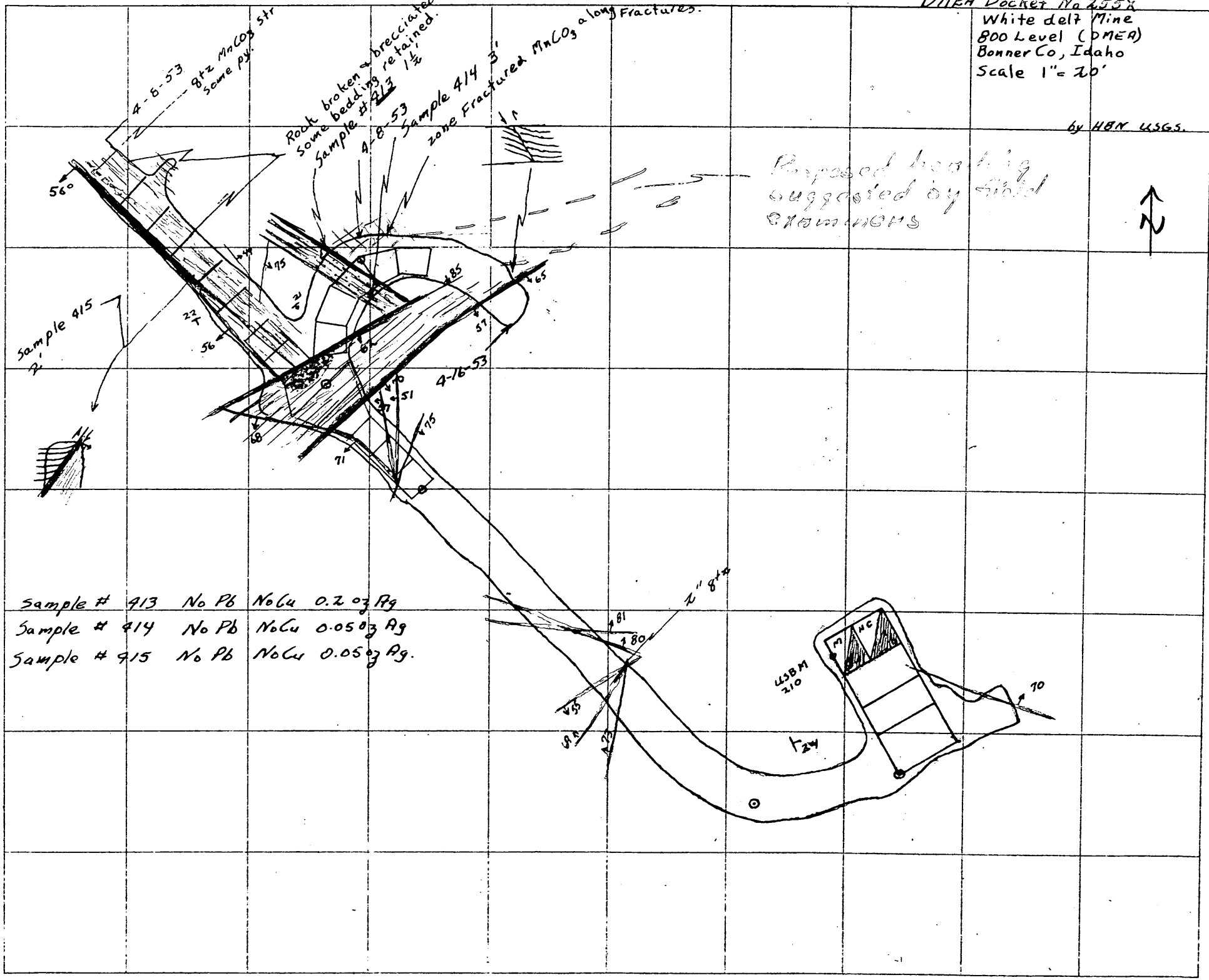
Sample results returned from the Union Assayers in Salt Lake City which are posted on the enclosed geologic map show the following results:

Sample No.	Width	Percent Pb	Percent Cu	Oz. Ag/ton
413	1½'	None	None	0.2
414	3 '	None	None	0.05
415	2 '	None	None	0.05

Enclosure
Dist: DMEA (Orig & 3)
USBM (2)
Docket
Nickelson

DMEA Docket No 255X
White delt Mine
800 Level (DMEA)
Bonner Co, Idaho
Scale 1" = 20'

by HBN USGS.



"ALBANENE" NO. 16GM K&E CO., N.Y. REG. U.S. PAT. OFF

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

April 22, 1953

Memorandum

To: DMEA Field Team, Region II

From: Howard B. Nickelson, U. S. Geological Survey and
W. S. Anderson, U. S. Bureau of Mines

Subject: Docket No. DMEA-255 (Lead), routine inspection, Whitedelf Mine, Bonner County, Idaho, Contract Idm-E189

The Whitedelf Mine was visited on April 8, 1953 by Howard B. Nickelson, geologist, U. S. Geological Survey and W. S. Anderson, mining engineer, U. S. Bureau of Mines.

On March 27, 1953 an inspection showed the crosscut intersecting what was believed to be the Pearl vein structure. The crosscut also discovered on the footwall of the Pearl vein structure a small body of ore 3 to 3½ feet wide and 10 to 12 feet long which pinched out at drift height, but was still present in the floor of the crosscut. Beyond the ore the crosscut exposed fault structure striking in the same direction as the crosscut, N. 45° W. and dipping 56° SW.

From information known on the levels above the 800 level, the Pearl vein consists of two strands. In order to explore for a possible footwall strand of the vein, the Operator was advised to drift on the N. 45° W. structure for about 40 feet. The N. 45° W. structure contained minor amounts of sulfide and carbonate mineralization and was apparently the channel for the ore discovered in the crosscut. The Pearl vein structure was completely barren of mineralization except that the wall rock was bleached.

On April 8 the N. 45° W. drift was advanced 45 feet and the Pearl vein drift was advanced about 17 feet in the footwall of the vein.

This drifting exposed a strong structure along the N. 45° W. drift with minor amounts of quartz, rhodochrosite, and sulfide minerals present. The drift in the footwall of the Pearl

vein exposed more structure associated with the N. 45° W. structure as shown on the enclosed geologic map.

Several samples were taken and their locations are shown on the enclosed map. Results of assays are not yet available.

Mr. White and the examiners discussed advancing the N. 45° W. drift another 15 feet in the hopes of hitting a lense of ore and it was agreed upon.

The new cable was inspected and found to be wearing excessively due to the lack of rollers in the inclined shaft. Mr. White was advised to install the necessary rollers.

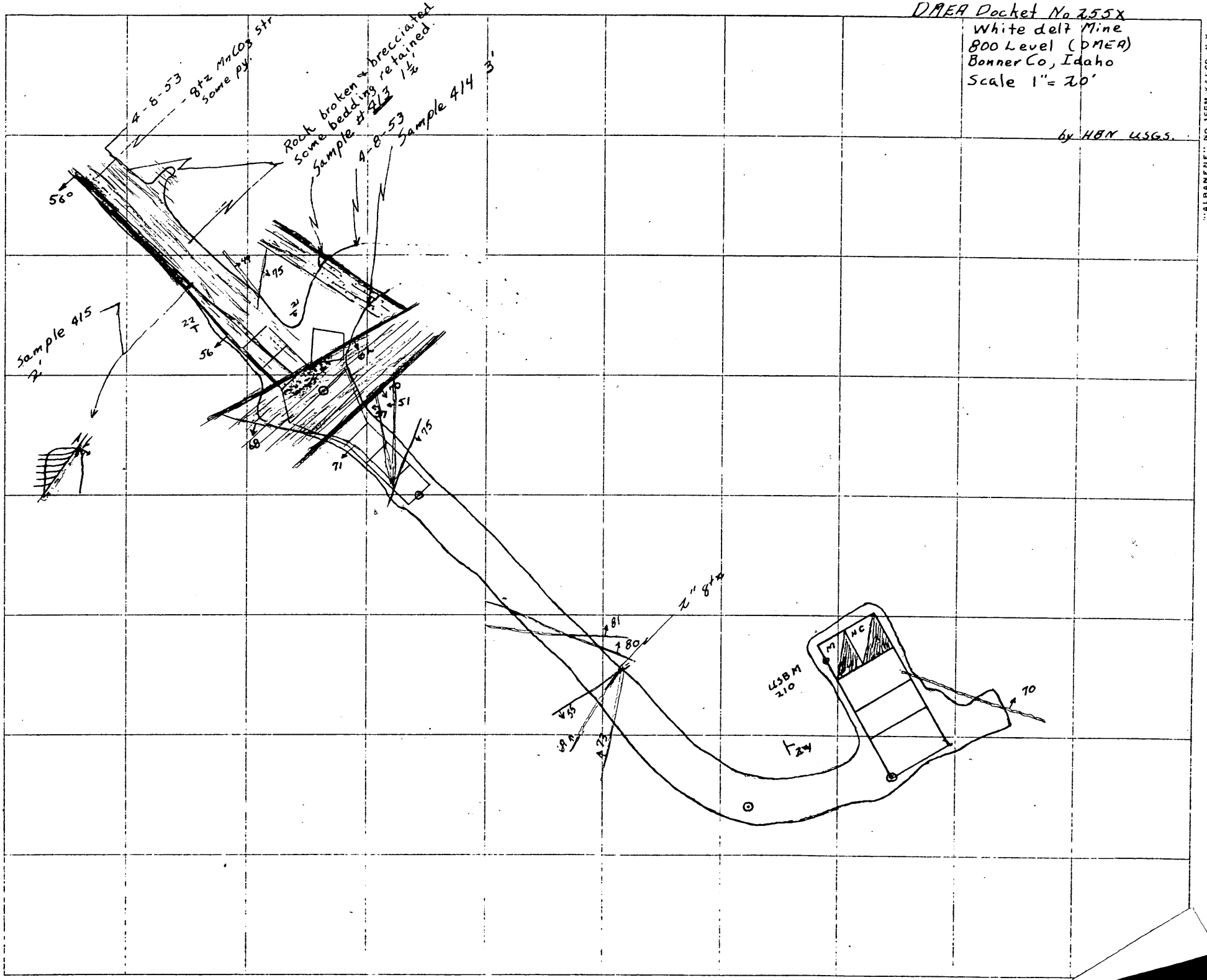
Since the March 27 examination, the crosscut has been adequately timbered and is now in no danger of sloughing.

It was recommended to Mr. White that he straighten out the drift on the Pearl vein by slabbing the wall, thereby eliminating the short radius curve on what will be a main haulage level.

Enclosure 1
Dist:
DMEA (Orig. & 3)
USBM (2)
Docket
Nickelson

DMEA Docket No 255X
White delt Mine
800 Level (DMEA)
Bonner Co, Idaho
Scale 1" = 20'

by HBN USGS.



"ALBANENE" NO. 16GM K&E CO., N.Y.
REG. U.S. PAT. OFF.

104 (Rev.)
1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

5/11/53 Received by J.W.G.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of MARCH, 1953 Docket No. DMEA 255 X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wn.
Contract Amount, $163,950 Government Participation: 50 % Amount, $ 81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Station		1 500 00	1 500 00			
Bulldozing						
Crosscutting Sinking		64 130 97	64 130 97			
Drifting	2038 88	260 00	2 298 88	2038.88		
Rehabilitation		10 175 17	10 175 17			
(2) Labor and Supervision:						
Labor	2730 85	3 604 28	6 335 13	2709.75		
Supervision	300 00	3 300 00	3 600 00	300.00		
Technical Services		122 91	122 91			
(3) Operating Mat'ls. and Supplies:						
Timber		5 648 56	5 648 56			
Explosives	836 35	10 68	847 03	836.35		
Pipe	85 98	273 85	359 83	85.98		
Track						
Miscellaneous	470 40	1 612 47	2 082 87	464.06		
(4) Operating Equipment:						
Rental						
Purchase		2 748 88	2 748 88			
Depreciation	228 33	1 456 73	1 685 06	228.33		
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		595 85	595 85			
Sampling and Analysis Power	246 00	2 893 00	3 139 00	246.00		
Payroll Taxes	454 23	909 76	1 363 99	454.11		
Liability Insurance	3 62	38 20	41 82	3.62		
Auditing	100 00	1 400 00	1 500 00	100.00		
Transportation		44 30	44 30			
(8) Contingencies (specify):						
TOTALS	7494 64	100 725 61	108220 25	7467.08	100285.61	108192.69

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Apr. 11, 53 *Payee Whitedelf Mining and Development Co.

Per Conglon DeWitt Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$3733 54

Signature
(Authorized Certifying Officer)

Date 4/30/53 Vou. No. 746
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature /s/ Webster S Anderson Title Mining Engr Date 4/28/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E Howard Title Mining Engr Date 4/28/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

[redacted]-104A
(1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March 1953 Docket No. DMEA #255 X Contract No. Idm 189

Operator's Name Whitedelf Mining and Development Co. Minerals Lead

Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	Ft.	7494 64	146	7754 64	158	49 08	1100	52.50
Crosscutting								
Raising	Ft			76065 84	413	184 30	410	180 00
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		7494 64		83820 48				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3022 73				
Initial Rehabilitation and Repairs				17850 44				
New Buildings, Improvements, etc. Station				3526 60				
TOTAL COSTS		~~7494 64~~		~~108 220 25~~				

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.

Date April 11,1953 Operator Whitedelf Mining and Development Co.

Per Compton Jewell Jr. Title President

REMARKS:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

COPY

WHITEDELF MINING AND DEVELOPMENT CO.
Clarks Fork, Idaho

Office: 401 Empire State Bldg.
Spokane 8, Washington

Clark Fork, Idaho
A½ril 25, 1953

Department of the Interior
Bureau of Mines
1201 North Division Street
Spokane 2, Washington

Attn: Mr. Anderson

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of March, 1953:

Crosscutting on the new 800 foot level was advanced 146 feet making the total tunnel on the 800 foot level 158 feet in length.

The fault that followed the shaft and that lies on the similar dip and strike of the Pugh Fault was intersected in the crosscut and tunneled through, the drift was then driven to intersect the Pearl Vein normal to its strike and at a point approximately 65 feet behind the shaft the first fractures parralleling the Pearl Vein were intersected. On extending the crosscut an additional 20 feet the apparent foot wall was intersected and at the point of intersection disclosed approzimately 42 inches of sulfides similar to those evidenced on the 400 level of the mine.

It was suggested by the Bureau ENgineers that a second possible strand of the vein Might exist in the footwall and that they recommended driving on past the mineralized wall. This has been done and some mineralization is shown in a fracture that exists where the tunnel is being driven having about the same strike as the crosscut. At the end of the month a second strand had not been intersected.

Sincerely,

/s/ Compton I. White, Jr.

Whitedelf Mining and Development Co.

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

1201 N. Division St.
Spokane 2, Washington
April 10, 1953

APR 27 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Inspection report, Whitedelf Mining & Development Co., Bonner County, Idaho, Contract Idm-E189, Docket No. DMEA 255 (lead)

The subject property was visited March 26 and 27, 1953, accompanied by Howard B. Nickelson, Geologist, U. S. Geological Survey, and Compton I. White, Jr., president of the company.

A transit survey was made of the main adit and inclined shaft. Solar observations were taken to establish a base line from which to start the survey. Attached is a map showing shaft and work completed on the 800 level. The crosscut from the 800 level is carried approximately 5½'x7' in the clear. Timbering was required from MP #1 (nail in post at shaft station) + 41 to MP #1 + 71 and from MP #1 + 76 to MP #1 + 106. The timber will be carried ahead from MP #1 + 106 to the now existing face.

The Pearl vein, with a 3' mineralized zone carrying Pb and Ag, was intersected at MP #1 + 100. The vein was not sampled as there was a large slab in the back which needed to be caught up before it would be safe to cut a sample.

Mr. Compton I. White, Jr. was advised that the timber should be carried concurrent with advance in bad ground as was encountered when the Pearl vein was intersected.

Collars have not been placed in the lower 80 feet of shaft and it was recommended to Mr. White that they should be installed. Also, it was recommended that doors or a safety chain be placed across both sides of the collar of the shaft as a safety measure and that rollers be placed in the shaft to reduce wear on the rope and to prevent the rope from cutting the wall plates.

The new rope for hoisting has been installed and fastened to the bucket with a wire rope thimble and five U bolt wire clips were used in securing the rope. The U bolts were spaced approximately 1 foot apart with the U applying against the dead end of the rope.

W. S. Anderson

W. S. Anderson

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
WSA/he

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

RECEIVED
APR 13 1953

Month of February, 1953 Docket No. DMEA 255 X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.
Contract Amount, $163,950.00 Government Participation: 50 % Amount, $81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drilling~~ Station	1500 00		1500 00			
Bulldozing						
~~Crosscutting~~ Sinking	3437 41	60 693 56	64130 96			
Drifting	260 00		260 00			
Rehabilitation	460 00	9 715 17	10175 17			
(2) Labor and Supervision:						
Labor	985 25	2 644 15	3629 40	960.13		
Supervision	300 00	3 000 00	3300 00			
Technical Services		122 91	122 91			
(3) Operating Mat'ls. and Supplies:						
Timber		5 648 56	5648 56			
Explosives		10 68	10 68			
Pipe		273 85	273 85			
Track						
Miscellaneous	144 79	1 467 70	1612 47			
(4) Operating Equipment:						
Rental						
Purchase		2 748 88	2748 88			
Depreciation	170 00	1 286 73	1456 73			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		595 85	595 85			
~~Sampling and Analysis~~ Power	270 00	2 623 00	2893 00			
Payroll Taxes	279 81	632 36	912 17	277.40		
Liability Insurance	3 62	34 58	38 20			
Auditing	100 00	1 300 00	1400 00			
Transportation		44 30	44 30			
(8) Contingencies (specify):						
TOTALS	7910 86	92 842 28	100753 14	1883.33	92842.28	100725.61

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Mar. 14, 53 *Payee Whitedelf Mining and Development Co.

Per Complex Jewell Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$3941 67

Signature [illegible]
(Authorized Certifying Officer)

Date 4/6/53 Vou. No. 713
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E 189 in accordance with the terms of the contract.

Signature /S/ Webster S Anderson Title Mining Engr Date 3/30/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /S/ Thomas E Howard Title Mining Engr Date 3/30/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 53-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

Department of the Interior
Defense Minerals Administration
RECEIVED
MAR 18 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of February 1953 Docket No. DMEA 255 X Contract No. Idm 189
Operator's Name Whitedelf Mining and Development Co. Minerals Lead
Address 401 Empire State Bldg, Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting		260 00	12	260 00	12	260 00	1100	52 50
Crosscutting								
Raising								
Shafts	Ft	3647 41	22	76065 84	413	184.30	410	180 00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		3907 41		76325 84				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3022 73				
Initial Rehabilitation and Repairs		460 00		17850 44				
New Buildings, Improvements, etc.								
Station		3543 45		3554 13				
TOTAL COSTS		7910 86		100753 14				

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.

Date Mar. 14, 1953 Operator Whitedelf Mining and Development Co.

Per Orpha Dewhelf Title President

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.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

March 11, 1953.

Whitedelf Mining and Development Co.
Docket No. DMA 255 X
Contract No. Idm-189 Lead

U. S. Department of the Interior,
Defense Minerals Exploration Adm'n,
Spokane 2, Washington.

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of February, 1953.

The contractor, R. S. McClintock, completed the shaft contract on the 7th day of February, 1953, and had extended the shaft a total distance of 413 feet from the point from which the contract was started and had extended the shaft 22 feet during the month of February. The contractor and the Company agreed that the work that should be completed under the contract, but could not be completed due to the pump installation, namely, the offsetting of the ladders below the sinking pump installation and the installation of the water discharge pipe from the electric sinking pump location to the 810 foot station, amounted to approximately $50.00, which amount was deleted from the final contract statement.

A contract was let for the excavation of the skip pocket and station on the 810 foot level as a straight labor contract to Rueben Nicolay, Don Hoefner, Harold Rounsville and Ferdinand Sjoden, and to excavate said pocket and station on a volumn basis of 50 cents per cubic foot and said pocket and station to be of a volume of approximately 3,000 cubic feet.

The pocket and station excavation and timbering were completed on the 28th day of February, 1953, and payment was made for an excavation of 3,000 cubic feet. The dimensions may slightly exceed the 3,000 cubic foot figure for which additional payment will have to be made.

The cleaning and retimbering of the south adit was completed during the month and a total payment of $660.00 was made. This excluded removal of the electric cable which was removed at company expense.

COPY

DMEA 3-11-53 (2)

We are negotiating a contract for the required drifting and a tentative agreement has been reached with the same persons who excavated the station to drive the crosscut and drift for $13.00 per foot for the first 250 feet and an increase of 50 cents per foot for each additional 250 feet up to a maximum of $14.50 per foot. The drift is to be timbered where necessary and as required by the Company, and to be timbered for an additional $4.00 per foot. The drift is to be 6 x 7½ and to be 5 x 7 in the clear in the timbered sections. A drainage ditch is to be excavated and the drift run in a minerlike manner.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton I. White Jr

Compton I. White, President.

COPY

This agreement and made as made as of and between the 1st day of October, 1951, by and between the [illegible] Mining and Development Company, a corporation, party of the first part, and [illegible] Carl Anderson and Paul L. Anderson, of Elsinore, Idaho, parties of the second part, WITNESSETH:

The parties of the second part do hereby agree to enter into the [illegible] Site, the [illegible] Claim, and to open the [illegible] mineral lead the [illegible] to which of the [illegible] connecting the [illegible] to the [illegible] of the [illegible] Mine.

The parties of the second part do hereby agree to place a [illegible] [illegible] Mine, [illegible] and [illegible], those necessary to prevent further caving of the [illegible] where discovered.

The parties of the second part also agree to repair the existing [illegible] where necessary and to [illegible] by the representative of the [illegible] of the first part.

In [illegible] of the [illegible] agreed to furnish all [illegible] and tools required by the [illegible] of the second part, but the party of the second part shall furnish all [illegible] necessary to carry out this contract.

The parties of the second part assume all liability for accidents occurring under the stipulations of this contract so as to relieve the party of the first part from all liability.

As full payment to the parties of the second part by the first part, when the provisions of this contract have been satisfied to the satisfaction of the party of the first part

in a minor-like- manner then the party of the first part shall pay to the parties of the second part the sum of Four hundred and sixty and no/100 Dollars.

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

Compton I. White Jr.
Whitedelf Mining and Development Co.
a Delaware Corporation
Party of the first part.

Paul M. Thornton
Paul M. Thornton

Edward Carl Anderson
Edward Carl Anderson
Parties of the second part.

255

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

1201 N. Division St.
Spokane 2, Washington
March 3, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 9 1953

looks like fairly good (see map)

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Inspection report, Whitedelf Mining & Development Co., Contract Idm-E189, Bonner County, Idaho, Docket No. DMEA 255 (lead)

The subject property was visited February 20, 1953, accompanied by Compton I. White, Jr., president of the company.

Sinking operations in the incline shaft have been completed with the bottom 49' below USBM #210 for a total depth of 416.8' under the exploration contract.

The excavation cross section of the shaft was approximately 14'x8'. The shaft was carried as a two-compartment shaft and all timber was framed on the surface. The sets are 5' center to center and each compartment is 54" in the clear. A total of 83 sets have been placed in the shaft since the initiation of the exploration contract.

The Operator is now cutting a skip pocket and station with the center line of the station opposite USBM #210. The lip of the chute from the skip pocket is 30.4' below USBM #210. The shaft station has been advanced 18.5' from the wall plate on the hanging wall and is being carried 9' 8" by 9' 10" in the clear. A sketch is attached showing an idealized plan of the shaft station and skip pocket as agreed upon by the Field Team and the Operator.

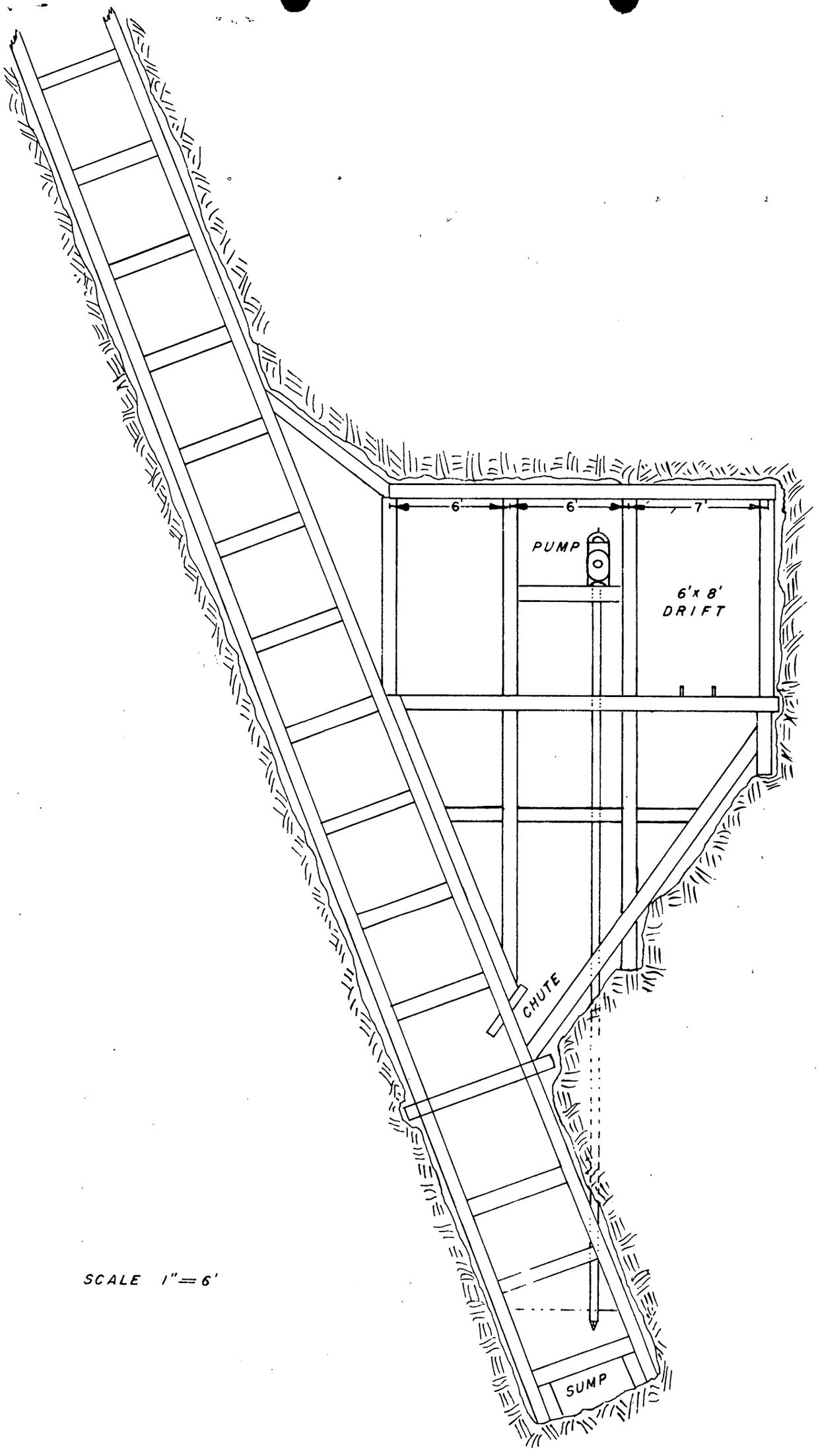
USBM's #49, 54, 208 and 210 have been placed in the shaft on the inside of the manway end plate for measuring points. USBM #49 was set two feet above the bottom of the shaft at the start of the exploration project for an initial measuring point. USBM #54 was placed 233.5' below USBM #49, with USBM #208 a distance of 96.3' below USBM #54 and USBM #210 a distance of 40' below USBM #208.

The muck is hoisted in a 9 cu. ft. capacity bucket and it requires 5 minutes per round trip for hoisting. The Operator and the writer discussed the installation of rails and a skip in the shaft to

speed up the hoisting operations for a more economical operation. The Operator has both the rail and skip at the property and has on order a new cable. It was recommended that the rail and skip be installed and Mr. Compton I. White, Jr. stated that he was planning on the installation but that he would have to discuss it with Compton I. White, Sr. before he could make the changeover.

W. S. Anderson

Orig. & 3 cys - Wash.
USGS(2)
DMEA
M/D
WSA/he



SHAFT STATION AND SKIP POCKET ——— *As agreed upon by field team and operator.*

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAR 19 1953

February 25, 1953

Memorandum

To: DMEA Field Team, Region II

From: Howard B. Nickelson, Geologist, U. S. Geological Survey

Subject: Inspection report, Whitedelf Mining and Development Company, Bonner County, Idaho, Docket No. DMEA-255 (Lead), Contract No. Idm-E189.

The Whitedelf mine was visited February 12, 1953, by Howard B. Nickelson and Ray Robinson, geologists, U. S. Geological Survey.

The purpose of the visit was to become acquainted with the hanging wall structures on the Pearl vein and structure along the Pugh fault southwest of the shaft on the Main level and the 400 level.

Main Level

The Pugh fault has displaced the Pearl vein about 105 feet to the right along the strike of the fault. The Pugh fault in this area apparently consists of footwall and hanging wall strands. The hanging wall or north strand is mineralized. The mineralization consists of several lenses of galena and tetrahedrite with other local silicification and pyritization along the fault. The hanging strand consists of about 6 to 8 feet of gouge and breccia with minor amounts of calcite and some rhodochrosite.

Two southeast crosscuts were driven from the Pearl vein, between the Pugh fault and the shaft. The first crosscut from the shaft was caved, but Anderson's map (Plate 7) from USGS Bulletin 944-B shows a mineralized fault 69 feet from the main drift. This fault is too flat-dipping to be a hanging wall structure of the Pearl vein.

The second crosscut followed a fault and mineralized structure dipping 47° to the west for about 30 feet where it intersected a vein about parallel to the Pearl vein. This vein was from 2 to 4 feet wide and was stoped extensively. The extension of the fault and mineralized structure encountered in the crosscut was offset about 10 feet to the west by the vein parallel to the Pearl vein. This extension was stoped up about 30 feet from the drift level and westerly to the Pugh fault. The stope was from 4 to 6 feet wide. The ore occurred in a shattered zone in the hanging wall of the fault. Preston and Reynolds' map illustrates the conditions in this southeast crosscut.

400 Level

The Pugh fault found in the crosscut north of the shaft consists of two strands about 15 feet apart. There was about 1 to 2 feet of gouge on each strand. This is the only place on the 400 level the Pugh fault can be observed because all of the drifts and crosscuts are south of the fault.

The Pearl vein apparently splits about 280 feet southwest of the shaft. Most of the drifting has been done on the south or hanging wall split. Several crosscuts driven in a northwest direction have cut structure which could be the footwall or north portion of the Pearl vein. Anderson's map (Plate 7) from USGS Bulletin 944-B illustrates a split in the Pearl vein. The caved and lagged condition of the drift where the vein splits prevents any observation of the splits, but it is quite certain from projection that the drifting was done on the hanging wall split.

Conclusions

Evidence on the Main level shows the Pugh fault to be composed of two strands with mineralization on the northernmost strand. This mineralization gives evidence that the Pugh fault is pre-mineral. The hanging wall mineralized structure of the Pearl vein does exist on the Main level northeast of the Pugh fault.

Evidence on the 400 level shows the Pearl vein splitting about 280 feet southwest of the shaft and that mineralization does occur on the hanging wall split. The Pugh fault occurs as two strands in the crosscut north of the shaft.

All of the above structure may be encountered in the drifts and crosscuts proposed in the DMEA contract.

The shaft measured 86 feet to the bottom of the last set from USBM #208. The miners said the shaft is about 3 feet below the last set of timber. The chute in the hoisting compartment was in and the 5 x 5 untimbered skip pocket was raised about 12 feet from the chute.

Distribution:
DMEA (Orig. & 3)
USBM (2)
Docket
Nickelson

Form ME-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

W

O.K
J.W. aed
3/23/53

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of January, 1953 Docket No. DMEA 255X Contract No. Idm 199
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.
Contract Amount, $163 950.00 Government Participation: 50 % Amount, $81 975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						~~Dell~~ ~~Brownell~~ Betty
Drilling						
~~Bulldozing~~ Sinking	11315.00	49378.56	60693 56			
Crosscutting						
Drifting						
Rehabilitation		9715.17	9715 17			
(2) Labor and Supervision:						
Labor		2644.15	2644.15			
Supervision	300.00	2700.00	3000.00			
Technical Services		133.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	1314.49	4334.07	5648.56			
Explosives		10.68	10.68			
Pipe		273.85	273.85			
Track						
Miscellaneous	71.15	1396.55	1467.70			
(4) Operating Equipment:						
Rental						
Purchase		2748.88	2748.88			
Depreciation	145.00	1141 73	1286 73			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		595.85	595.85			
~~Sampling and Analysis~~ Power	283.00	2340.00	2623.00			
Payroll Taxes	31.00	610.36	632.36			
Liability Insurance	3.62	30.96	34.58			
Auditing	100.00	1200.00	1300.00			
Transportation		44.30	44.30			
(8) Contingencies (specify):						
TOTALS	13563.26	79 279.02	92 842.28	13,563.26	79,279.02	92842.28

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Feb. 11, 53 *Payee Whitedelf Mining and Developmont Co.

Per Compton J. Wilde Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$6781 63

Signature [illegible]
(Authorized Certifying Officer)

Date 3/4/53 Vou. No. 679
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature /s/ Webster S Anderson Title Mining Engr Date 2/16/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E Howard Title Mining Engr Date 2/16/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Jan'y 195 3 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft 1	3563.26	73	72418 43	391	185.21	400	180.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		13563 26		72418.43				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		13563.26		3022.73				
Initial Rehabilitation and Repairs				17390.44				
New Buildings, Improvements, etc.								
Contingency				10.63				
TOTAL COSTS				92842 23				

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.

Date Feb. 11, 53 Operator Whitedelf Mining and Development Co.

Per Compton Jewell Title President

REMARKS:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

WHITEDELF MINING AND DEVELOPMENT CO.

Contract #Idm 189 Docket No. DMEA 255X

DISTRIBUTION OF DISBURSEMENTS FOR JANUARY, 1953

	Equipment	Supplies	Repairs	Contract	Power	Timber
R. S. McClintock				$11315.00		
Marshall Wells Co. (2)		15.81				
James E. White						110.33
Hope Lumber Co.						1204.16
*Mountain States Power Co					283.00	
Merwin's Hardware		6.70				
Texas Company		43.70				
Montague's Service		4.94				
		71.15		11315.00	283.00	1314.49

* Power charge prorated as small amount used to run mill.

Depreciation

Compressor	1 month	$133.33
Pumps	"	11.67
		145.00

COPY

Clarksfork, Idaho
February 28, 1953

Defense Minerals Administration
1201 North Division Street
Spokane, Washington

Attn: Mr. Anderson

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of January, 1953.

The contractor deepen ed the main shaft at the Whitedelf Mine an additional 73 feet. The contractor also made provisions during the sinking operation, by installing station sets, for the excavation of the 800 foot station. It was observed, however, that the rock formation from the 790 foot level to the 800 foot level was quite badly altered and faulted, and it has been decided that the station floor should be lowered ten feet. Accordingly, the contractor has been requested to deepen the shaft an additional 10 feet over the amount stipulated in the contract so that the station may be excavated in the more solid lower rock formation.

The contractor anticipates completing his contract, including the additional 10 feet of shaft, at the end of the first week in February 1953.

Sincerely,

Whitedelf Mining and Development Co.

/s/ Compton I. White, J.r., Pres.

Form [illegible] (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1952 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name MITCHELL MINING & DEVELOPMENT CO. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.
Contract Amount, $163,950.00 Government Participation: 50 % Amount, $81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						~~Cable~~ Heating Bitty
Drilling						
Bulldozing Sinking	9308.67	40069.89	49378.56			
Crosscutting						
Drifting						
Rehabilitation		9715.17	9715.17			
(2) Labor and Supervision:						
Labor		2644.13	2644.13			
Supervision	300.00	2400.00	2700.00			
Technical Services	13.09	122.91	136.00			
(3) Operating Mat'ls. and Supplies:						
Timber		4334.07	4334.07			
Explosives	10.68		10.68			
Pipe		273.05	273.05			
Track						
Miscellaneous	125.00	1207.77	1332.46			
(4) Operating Equipment:						
Rental						
Purchase	401.64	2337.36	2740.00			
Depreciation	140.00	992.75	1281.75			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	38.70	859.00	895.00			
Sampling and Analysis Power	232.00	2008.00	2040.00			
Payroll Taxes	51.00	970.36	021.36			
Liability Insurance	3.02	27.34	30.36			
Auditing	100.00	1100.00	1200.00			
Transportation		44.30	44.30			
(8) Contingencies (specify):						
TOTALS	10713.05	68480.97	79270.02	10818.05	68460.97	79279.02

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Jan. 14, 53 *Payee Mitchell Mining and Development Co.
Per Compton Mitchell Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$5409.02
Signature (Authorized Certifying Officer)
Date 1/29/53 Vou. No. (See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

/s/ Signature Webster S. Anderson Title Mining Engr. Date 1/16/53

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

/s/ Signature Elwin A. Magill Title Mining Engr. Date 1/16/53

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form M[illegible]104A
(April [illegible]52)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1952 Docket No. DMEA 255 X Contract No. Idm 189

Operator's Name Whitedelf Mining & Development Co. Minerals Lead

Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	10345.83	60	58855.17	318	184.76	400	$180.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
								TOTAL COSTS AUTHORIZED BY CONTRACT
TOTAL DISTRIBUTED COSTS		10345.83		58855.17				
Operating Equipment Purchased		461.54		3022.73				
Initial Rehabilitation and Repairs				17390.44				
New Buildings, Improvements, etc.								
Contingency				10.68				
TOTAL COSTS		10818.05		79279.02				

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.

Date Jan. 14, 1952 Operator Whitedelf Mining and Development Co.

Per [signature] Title President

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.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

January 15, 1953

Whitedelf Mining and Development Co.

Docket No. DMA 255 X
Contract No. Idm-189 Lead

U. S. Department of the Interior,
Defense Minerals Exploration Adm'n,
Spokane, Washington.

Gentlemen:

The following progress was made under the subject contract at the Whitedelf Mine for the month of December, 1952.

The shaft has been deepened an additional sixty feet, making the total new extension to the shaft 318 feet. The sinking of the shaft is continuing with a minimum of difficulty and delays and is progressing in a workmanlike manner. Some difficulty has been experienced due to the rock formations encountered which have been altered and faulted near and in the excavated portion of the shaft.

We are including in this invoice a statement from the Hope Silver Lead Mines for a used 2 MRV 40, motor pump authorized by Amendment No. 5, on which a payment of $400.00 has been made.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.,

Compton L. White Jr.
President

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

1201 N. Division St.
Spokane 2, Washington
January 6, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 1 - 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: W. S. Anderson, Mining Engineer, Bureau of Mines

Subject: Inspection report, Whitedelf Mining & Development Co., Contract Idm-E189, Bonner County, Idaho. Docket No. DMEA 255 (lead)

The subject property was visited December 31, 1952, accompanied by Compton I. White, Jr., supervisor of the project.

Sinking operations were in progress at the time of the inspection, and 85 feet of advance has been made since the last inspection on November 20, 1952 by E. G. Erickson, for a total advance of 331 feet under the exploration contract.

Rehabilitation of the south adit for an escapeway is almost completed. Work remaining to be finished is the replacing of rotten lagging in a few sets. It was noticed by the writer that a few rungs in the ladders of the raise from the 400 level to the escape adit were missing, and it was recommended that the Operator replace the missing rungs.

The last 40 feet of advance has been through brecciated wall rock which has a tendency to slough and timber has to be carried within a set of the bottom at all times.

The shaft sinking is progressing satisfactorily, and good standards of work have been maintained.

A map showing shaft section and work completed is attached.

W. S. Anderson

W. S. Anderson

Orig & 3 cys - Wash.
USGS (2)
DMEA
M/D
WSA/he

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 19 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 255 X Contract No. DE Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg, Spokane 1, Wash.
Contract Amount, $163,950.00 Government Participation: 50% Amount, $ 81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						~~Kenting~~ Betty
Drilling						
~~Bulldozing~~ Sinking	11549 89	28520.00	40 069 89			
Crosscutting						
Drifting						
REHABILITATION		9715.17	9 715 17			
(2) Labor and Supervision:						
Labor		2644.15	2 644.15			
Supervision	300 00	2100.00	2 400.00			
Technical Services		122.91	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber		4334.07	4 334.07			
Explosives						
Pipe		273.85	273.85			
Track						
Miscellaneous		1257.77	1 257.77			
(4) Operating Equipment:						
Rental						
Purchase		2287.34	2 287.34			
Depreciation	145.00	851.73	996.73			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		559.09	559.09			
~~Sampling and Analysis~~ Power	270.00	1788.00	2 058.00			
Payroll Taxes	31.00	539.36	570.36			
Liability Insurance	3.62	23.72	27.34			
Auditing	100.00	1000.00	1 100.00			
Transportation		44.30	44.30			
(8) Contingencies (specify):						
Pump-Orally approved	400.00		400.00	-0-		-0-
TOTALS	12799.51	56061.46	68 860 97	12,399.51	56,061.46	68,460.97

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 12-8-52 *Payee WHITEDELF MINING AND DEVELOPMENT CO

Per Compton Dwile Jr. Title President

*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.

→ 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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 6199.75

Signature (Authorized Certifying Officer)

Date 12/12/52 Vou. No. (See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature /s/ Eric G. Erickson Title Min Engr Date 12-10-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E Howard Title Min Engr Date 12-10-52

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form DME-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval Expires 6-30-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 13 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1952 Docket No. DMEA 255 X Contract No. Idr 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	12399.51	74	48 509.34	258	188.37	400	180.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				48 509.34				Total Costs Authorized by Contract
Operating Equipment Purchased		400.00		2 961.19				
Initial Rehabilitation and Repairs				17 390.44				
New Buildings, Improvements, etc.								
Total Costs		400.00		68 860 97				

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.

Date 12-9-52 Operator WHITEDELF MINING AND DEVELOPMENT CO.

Per Cornelius J. White Title President

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.

(Instructions on reverse)

Remarks:

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

December 9, 1952

Defense Minerals Exploration Admn,
Bureau of Mines,
1201 No. Division St.,
Spokane 2, Washington

WHITEDELF MINING AND DEVELOPMENT CO.
Docket #DMEA 255 X
Contract No. Idm 189

Attention: Mr. E. E. Ericksen

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of November under the subject contract:

The shaft was deepened an additional 74 feet, making the extension since the start of work under the contract a total of 258 feet.

It was also suggested by the supervising engineer, Mr. E. G. Ericksen that the ladders in the manway compartment be offset as the sinking pump was lowered. This offset of the ladders has been completed.

The work has progressed in what we believe to be a satisfactory manner with a minimum of delays and difficulties.

Included in the accompanying invoice is an item of $400 which was paid to the Hope Silver Lead Mines as a part payment on a 2 MRV 40 Cameron I-R centrifugal pump to be used as a station pump or stand-by unit for the 400 foot level. This purchase of new equipment was orally authorized by your office to be included as a contingency.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton I. White Jr

Compton I. White, President

CIW-of

255

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

Spokane 2, Washington
1201 N. Division St.
December 10, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 23 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

Subject: Interim report, Whitedelf Mining & Development Co., Contract Idm-E189, Bonner County, Idaho. Docket No. DMEA 255 (lead)

Inspection of the project site was made November 20, 1952 accompanied by Compton I. White, Jr., supervisor of the project.

The shaft sinking operation was in progress and 130 feet of advance had been made since last inspection on September 26, making a total advance of 248 feet from U. S. Bureau of Mines tag #49 or 246 feet advance under the contract.

The ground cross section of the shaft is approximately 14'x8'. The shaft is 2-compartment and timbered with sawed timber; sets are 5 ft. c. to c. and each compartment is 54" in the clear. A total of 47 sets has been placed since start of contract (see attached sketch).

U. S. Bureau of Mines tag No. 54 was set on the inside of the manway end plate, 2 feet from the center-line of footwall post at a distance of 233.5 feet from USBM tag No. 49.

Some work had been done on rehabilitating the south adit for an escapeway which was recommended in Bureau of Mines safety report. The Operator has not billed the contract for any of this work to date. Mr. White stated he has contracted the work on a complete job basis at a cost of $500. I asked him to submit the agreement for approval. The work he outlined to me to be done under the subcontract appeared justified and the cost reasonable.

During the September inspection I had recommended that the Operator insist that the shaft subcontractor keep the ladders and solars in the manway compartment as close as practical to the heading. The Operator had followed my suggestion and I found the manway in good shape.

An amendment to the contract is being prepared to allow purchase of a used IR centrifugal pump. Some trouble has been experienced with the present pump and the standby pump is considered a justified precaution.

The total amount of the contract as amended is $163,950.00 and the Government's contribution is 50 percent or $81,975.00. The following tabulation shows total costs and amounts approved as of December 1, 1952.

Item	Total est. cost	Cost to Dec. 1, '52	Units completed
1. Deepening existing winze 400 feet @ $180/ft.	$72,000.00	$48,509.34	258 ft.
2. Install skip loading pocket on 800 level	2,000.00	none	none
3. Drifting 1100 ft. @ $52.50	57,750.00	none	none
4. Equipment to be purchased	3,997.55	2,561.19	64 percent
5. Rehabilitation and repairs to existing winze	17,600.00	17,390.44	98 percent
6. Contingencies	10,602.45	none	none
Total	$163,950.00	$68,460.97	

The shaft operation has been progressing favorably. Some changes in the attitude of the bedding have been encountered, and for a short section of shaft near tag No. 49 + 225 feet some overbreak in rock section was unavoidable. The 400 level sump pump failed on the weekend of November 16, 1952, causing the shaft bottom to become flooded and a considerable amount of sloughing occurred. The pump failure was noticed within a short time and the damage was repaired at a cost of about $80.00 for additional labor.

The shaft is being sunk off the vein and no mineralization indicating necessity for sampling has been disclosed.

The work cycle entails: 1st shift - drilling and blasting 30-32, 6-foot holes; 2nd shift - muck down enough to timber; 3rd shift - block, lag timber and muck; 4th shift - finish mucking and catch up "dead-work".

Two shaft miners work on each shift and 2 shifts are worked each day. On day shift 1 hoistman, 1 timber framer and 1 helper are employed. On night shift a hoistman and a trammer are employed. The above-mentioned workmen are subcontractor's employees and are supervised by subcontractor's foreman. The entire project is supervised by the Operator's supervisor.

A Coeur d'Alene Hardware Co. single drum hoist is used. It is gear driven by a 40 HP electric motor. A 1/2-ton bucket which rides in guides is used. The present hoisting distance is about 725 feet and the muck is hoisted and dumped into a bin above the main haulage level from which it is drawn and trammed about 550 - 600 feet to waste dump.

Two pneumatic sinker drills are used each drilling shift and the small amount of water that accumulates in the shaft bottom is readily handled by a small sinker pump.

The shaft sinking has been subcontracted and the operation is progressing efficiently. The overall costs as of December 1, 1952 for shaft sinking were $188.37/ft. as compared to the estimated cost of $180.00/ft. Unit cost for month of December 1952 was $168.50/ft. It is anticipated that the average cost per foot will be within the $180.00/ft. estimate.

Attached is a list of equipment purchased under the contract and a sketch map showing progress of the shaft sinking operation.

E. G. Erickson
E. G. Erickson

Orig. & 3 cys—Wash
USGS (2)
DMEA
M/D
EGE

DMEA
OPERATING EQUIPMENT
INVENTORY

Page No. ____

WHITEDELF MINING & DEVELOPMENT CO.
(Name of company)

Clark Fork, Idaho
(Address)

Whitedelf Mine
(Name of mine)

Bonner County, Idaho
(Location)

Contract No. Idm-E 189

Amount of contract $163,950.00

Govt. participation 50 %

Date Purchased	Serial Number	Description	Units	Unit Cost	Total Cost	Engr.
2-5-52	29755	Ingersoll Rand Sump Pump, Model 35	1	460.00	460.00	EGE
4-8-52	03526709	2 MRV 50 Motor Pump	1	1249.60	1308.99	EGE
12-17-51		Coffing Ratchet Hoist	1	87.50	89.92	"
6-30-52		5/8" 6x19 Flex Set yellow strand wire rope	1000	.211	211.00	"

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Wash

NOV 2 - 1952

Month of October, 1952 Docket No. DMEA 255X Contract No. Idn 189
Operator's Name Whitedelf Mining and Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.
Contract Amount, $ 163,950.00 Government Participation: 50 % Amount, $ 81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						~~[illegible]~~ Betty
Drilling						
~~[illegible]~~ Sinking	10230.00	18290.00	28520.00			
Crosscutting						
Drifting						
Rehabilitation		9715.17	9715.17			
(2) Labor and Supervision:						
Labor		2644.15	2644.15			
Supervision	300.00	1800.00	2100.00			
Technical Services	40.92	81.99	122.91			
(3) Operating Mat'ls. and Supplies:						
Timber	285.83	4048.24	4334.07			
Explosives						
Pipe		273.35	273.35			
Track						
Miscellaneous	68.09	1189.68	1257.77			
(4) Operating Equipment:						
Rental						
Purchase		2287.34	2287.34			
Depreciation	145.00	706.73	851.73			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		559.09	559.09			
~~Sampling and Analysis~~ Power	300.00	1468.00	1768.00			
Payroll Taxes	31.00	508.30	539.30			
Liability Insurance	3.82	20.10	23.72			
Auditing	100.00	900.00	1000.00			
Transportation		44.30	44.30			
(8) Contingencies (specify):						
TOTALS	11504.46	44557.00	56061.46	✓	✓	—

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Nov. 3, 1952 *Payee WHITEDELF MINING AND DEVELOPMENT CO.

Per Compton I. White Jr. Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 5,752.23

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

GPO 83-38476

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
NOV 3 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 195 2 Docket No. DMEA 255X Contract No. IDM 189
Operator's Name WHITEDELF MINING AND DEVELOPMENT CO. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	11504.46	66	36109.83	184	196.25	400	180.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		11504.46		36109.83				Total Costs Authorized by Contract
Operating Equipment Purchased				2561.19				
Initial Rehabilitation and Repairs				17390.44				
New Buildings, Improvements, etc.								
Total Costs				56061.46				

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.

Date Nov. 3, 1952 Operator WHITEDELF MINING AND DEVELOPMENT CO.

Per Compton Dewhile Title President

→ 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.

Remarks:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 83-38475

October 31, 1952.

Defense Minerals Exploration Co.
Bureau of Mines,
1201 North Division Street,
Spokane 2, Washington.

Whitedelf Mining & Development Co.,
Docket No. DMEA 253 X
Contract No. Idm 139

Gentlemen:

The following progress is reported for the month of October at the Whitedelf Mine under the subject DMEA contract:

The contractor, J. J. McClintock, has continued the shaft sinking in accordance with the contract. During the month the shaft was deepened an additional sixty-six feet, making a total extension of the shaft of one hundred eighty four (184) feet, or a total depth below the main adit of 627 feet.

The operation has continued in a good and workmanlike manner and has been effected without difficulty.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton I. White Jr.

President

CIW-ef

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1088.3.
Approval Expires 6-30-53.

DEPARTMENT OF Defense Minerals
RECE...
OCT 28 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, 1952 Docket No. DMEA 255X Contract No. Idm 189

Operator's Name Whitedelf Mining and Development Co. Minerals Lead

Address 401 Empire State Bldg., Spokane 1, Wash.

Contract Amount, $163,950.00 Government Participation: 50 % Amount, $81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
~~Drilling~~ Sinking	10850.00	7440.00	18290.00	10,850.00	7,440.00	18,290.00
Bulldozing						
Crosscutting						
Drifting						
Rehabilitation	191.14	9524.03	9715.17	191.14	9524.03	9715.17
(2) Labor and Supervision:						
Labor		2644.15	2644.15		2644.15	2644.15
Supervision	300.00	1500.00	1800.00	300.00	1500.00	1800.00
Technical Services		81.99	81.99		81.99	81.99
(3) Operating Mat'ls. and Supplies:						
Timber		4048.24	4048.24		4048.24	4048.24
Explosives						
Pipe		273.85	273.85		273.85	273.85
Track						
Miscellaneous	86.49	1103.19	1189.68	86.49	1103.19	1189.68
(4) Operating Equipment:						
Rental						
Purchase		2287.34	2287.34		2287.34	2287.34
Depreciation	145.00	561.73	706.73	145.00	561.73	706.73
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		559.09	559.09		559.09	559.09
~~Sampling and Analysis~~ Power	294.00	1194.00	1488.00	294.00	1194.00	1488.00
Payroll Taxes	34.00	474.36	508.36	34.00	474.36	508.36
Liability Insurance	3.62	16.48	20.10	3.62	16.48	20.10
Auditing	100.00	800.00	900.00	100.00	800.00	900.00
Transportation		44.30	44.30		44.30	44.30
(8) Contingencies (specify):						
TOTALS	12004.25	32552.75	44557.00	12004.25	32552.75	44557.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 10-7-52 *Payee WHITEDELF MINING AND DEVELOPMENT CO.

Per Compton Dewhelp Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 600.17

Signature [illegible]
(Authorized Certifying Officer)

Date 10/23/52 Vou. No. (See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

OCT 28 1952

Month of September 1952 Docket No. DMEA 255 X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wn.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	11813.11	70	24605.37	118	208.48	400	180.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		11813.11		24605.37				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2561 19				3997.55
Initial Rehabilitation and Repairs		191.14		17390 44				17600.00
New Buildings, Improvements, etc.								
TOTAL COSTS				44557.00				

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.

Date October 10, 52 Operator Whitedelf Mining and Development Company

Per Compton J. White Title President

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.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

401 —

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October 2, 1952

Defense Minerals Exploration Co.
Bureau of Mines,
1201 North Division Street,
Spokane 2, Washington

Whitedelf Mining & Development Co.
Docket No. DMA 255 X
Contract No. Idm 189

Gentlemen:

The following progress has been made under subject contract at the Whitedelf Mine during the month of September.

The main winze of the Whitedelf Mine was deepened an additional seventy feet, making a total new depth attained of 118 feet.

The contractor has experienced no difficulty and the work has progressed in a satisfactory manner. One shift was lost on Saturday, September 27th due to a lubricating ring becoming loose in the main air compressor. This was repaired and the work is again progressing satisfactorily.

On September 28th and 29th the contractor installed in the manway compartment an electric relay sinking pump with a tank for receiving the discharge from the air-driven sinking pump. This pump was equipped with automatic electrode controls and is operating satisfactorily.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton I. White Jr.

Compton I. White, President

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D. C.~~
1201 North Division St.
Spokane 2, Washington

September 29, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 2 1952

MEMORANDUM

To: DMEA Field Team, Region II

From: E. G. Erickson, Mining Engineer, Bureau of Mines

Subject: Whitedelf Mining and Development Company's exploration project contract, Whitedelf Mine, Bonner County, Idaho, Docket No. DMEA 255X (Pb), Contract Idm-E189

I inspected the Whitedelf Mine September 26, 1952 in company with Mr. Compton White, Jr., who is in charge of the operation.

The rehabilitation had been completed except for cleaning the escape-way from the 400 level to the south adit. Mr. White will sub-contract this job for approximately $500.00.

The shaft has been deepened 118 feet under the sub-contract to R. S. McClintock and the 22nd new set was being placed. A Bureau of Mines survey tag No. 49, was set two feet above old bottom on end plate of the manway compartment. The old bottom of shaft was even with the sill of old XCSW off shaft according to operator.

The shaft is being advanced at the rate of about 2-1/2 feet in 24 hours and standard of work is good. I suggested to the operator that he have contractor complete manway (landings and off set ladders) and use bulk-head nearer bottom of shaft to provide greater protection. He agreed to act on this suggestion.

The shaft is being sunk with a bucket, a customary practice, and Mr. C. White, Jr. states the operation has the sanction of the State Mine Inspector.

The shaft is about 40 feet in the hanging wall from the vein and dips 69° and the bedding dips approximately 18° in the same direction.

There has been some delay in payment of the first voucher due mostly to admitted errors on operator's part.

E. G. Erickson

E. G. Erickson

Orig. & 3 - Wash.
USGS (2)
DMEA
M/D
EGE/vf

M-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1952 Docket No. DMEA 255X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.
Contract Amount, $163,950.00 Government Participation: 50 % Amount, $81,975.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling Sinking	7440.00		7440.00	✓		✓
Bulldozing						
Crosscutting						
Drifting						
Rehabilitation	717.05	8806.98	9524.03	✓	✓	✓
(2) Labor and Supervision:						
Labor		2604.15	2604.15		✓	✓
Supervision	300.00	1200.00	1500.00	✓	✓	✓
Technical Services	81.99		81.99	✓		✓
(3) Operating Mat'ls. and Supplies:						
Timber		4134.91	4134.91		4,048.NC	4,048.NC
Explosives						
Pipe	273.85		273.85	✓		✓
Track						
Miscellaneous	159.08	944.11	1103.19	✓	✓	✓
(4) Operating Equipment:						
Rental						
Purchase		2287.34	2287.34		✓	✓
Depreciation	145.00	416.73	561.73	✓	✓	✓
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	208.77	350.32	559.09	✓	✓	✓
Power	270.00	924.00	1194.00	✓	✓	✓
Payroll Taxes	34.00	440.36	474.36	✓	✓	✓
Liability Insurance	3.62	12.86	16.48	✓	✓	✓
Auditing	100.00	700.00	800.00	✓	✓	✓
Transportation		44.30	44.30		✓	✓
(8) Contingencies (specify):						
		CIW	CIW			
TOTALS	9733.36	22906.06	32639.42	9733.36	~~22906.06~~ 27819.39	~~32639.42~~ 32,552.75

I certify that the above bill is correct and just and that payment therefor has not been received.

Date 9-10-52 *Payee WHITEDELF MINING & DEV. CO.

Per Compton J White Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 4,866.68

Signature [illegible]
(Authorized Certifying Officer)

Date 9-26-52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E189 in accordance with the terms of the contract.

Signature /s/ E. G. Erickson Title Mining Engineer Date 9/29/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature /s/ Thomas E. Howard Title Mining Engineer Date 9/29/52

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MV-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 1 52

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1952 Docket No. DMEA 265X Contract No. Idm 189
Operator's Name WHITEDELF MINING & DEVELOPMENT CO. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wash.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts	Ft.	8742.46	48	12792.26	48	266.50	400	180.00
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs		8742.46		12792.26				Total Costs Authorized by Contract
Operating Equipment Purchased		273.85		2561.19				3997.56
Initial Rehabilitation and Repairs		717.05		17295.97				17000.00
New Buildings, Improvements, etc.						Shaft		72000.00
Total Costs		9733.36		32639.42				93597.56

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.

Date Sept. 18, 1952 Operator WHITEDELF MINING & DEVELOPMENT CO.

Per Compton White Jr. Title President

Remarks:

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

401 --

1

September 18, 1952

Defense Minerals Exploration Admr.
Bureau of Mines
1201 No. Division St.
Spokane 2, Washington

Attention: Mr. W. G. Erickson

Whitedelf Mining & Development Co.
Docket DMA 255 X
Contract No. Idm 189.

Gentlemen:

The following progress for the month of August, 1952, at the Whitedelf Mine is reported.

The contractor, R. S. McClintock has diligently and effectively proceeded to deepen the main winze at the Whitedelf Mine under the subject contract and had, at the end of the month, completed forty eight feet of shaft excavation and timbering. The work has proceeded to the mutual satisfaction of both operator and contractor. All the related operations, pumping, hoisting, haulage, air compressor operation and labor have presented no difficulties.

Reference is made to an additional rehabilitation charge on the August invoice, which followed the start of the shaft sinking. This was necessitated by the physical conditions encountered at the start of the sinking operation. At the bottom of the Whitedelf winze, there existed a small drift which was run from the old bottom to the vein and because of this vein intersection was making an appreciable amount of water. It was decided to dam this drift and install a small pump so that the water made in this drift would not be allowed to follow the extended winze. It was also proposed that the bearing timber be installed at the bottom of the old winze. Prior to completing either of these installations, the winze had to be deepened before the completion could be effected. Therefore, the contractor excavated two rounds and then returned, constructed the dam and a water ring and installed the bearing timber. Either of these installations would have been injured by the necessary proximity of the required blasting.

We trust that this will explain the resulting reported charges made in our August invoice.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton S. White Jr
President

CSW-ef

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

Wash

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

OCT 1 52

Month of July, 1952 Docket No. DMEA 255 X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Building, Spokane 4, Wash.
Contract Amount, $120,250.00 Government Participation: 50 % Amount, $60,125.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Rehabilitation	6206.98	2600.00	8806.98	✓	✓	✓
(2) Labor and Supervision:						
Labor	CIW 264.80	399.35 ~~2395.25~~	CIW 2664.15	✓	✓	✓
Supervision	200.00	~~1200.00~~ 1000.00	1200.00	✓	✓	✓
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	86.67	4,048.24 ~~3504.49~~	4134.91	—	4048.24	4,048.24
Explosives						
Pipe						
Track		605.09				
Misc.	339.02	~~762.74~~	944.11	✓	✓	✓
(4) Operating Equipment:						
Rental		1988.79				
Purchase	298.55	~~1768.99~~	2287.34	✓	✓	✓
Depreciation	196.71	220.02	416.73	✓	✓	✓
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	86.79	263.53	350.32	✓	✓	✓
~~xxxxxxxxxxxx~~ Power	96.00	828.00	924.00	✓	✓	✓
Payroll Taxes	50.00	390.36	440.36	✓	✓	✓
Liability Insurance	3.62	9.24	12.86	✓	✓	✓
Auditing	100.00	600.00	700.00	✓	✓	✓
Transportation		44.30	44.30		✓	✓
(8) Contingencies (specify):						
	CIW		CIW			
TOTALS	7809.14	14996.92	22806.06	7822.47	14,996.92	22,819.39

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug. 20, 1952 Payee Whitedelf Mining & Dev. Co.

Per Compton Whitelf Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 3911.20

Signature Wash
(Authorized Certifying Officer)

Date 9-26-52 Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. ..... in accordance with the terms of the contract.

Signature ..... Title ..... Date .....

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

Defense ... RECEIVED OCT 6 '52

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1952 Docket No. DMEA 255 X Contract No. Idm 189
Operator's Name Whitedelf Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 4, Wash.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes				4049.80				
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS				4049.80				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased		298.55		2287.34				
Initial Rehabilitation and Repairs		7670.59		16568.92				
New Buildings, Improvements, etc		c/w		c/w				
TOTAL COSTS		7969.14		22906.06				

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.

Date Aug. 20, 1952 Operator WHITEDELF MINING AND DEVELOPMENT CO.

Per Compton Jewett Jr. Title President

→ 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.

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

Copy of this form is not found

WHITEDELF MINING AND DEVELOPMENT CO.

Docket No. DMA 255 X
Contract No. Idm-189

Clarkfork, Idaho
August 15, 1952.

U. S. Department of the Interior
Defense Minerals Exploration Administration
Spokane, Washington

Attention Mr. Erickson

Gentlemen:

During the month of July the following progress was made at the Whitedelf Mine under the subject DMEA contract:

Under the approved contract with R. S. McClintock, the rehabilitation of the main winze in the Whitedelf Mine was completed. The winze was completely retimbered down to the 65-foot level below the main adit. The footwall wallplates in the remainder of the shaft down to the 445-foot level were repaired where cut by the cable and additional support in the form of blocking was placed under the footwall plates. Four helper sets were installed where the fault intersects the shaft above the 400-foot level. The slide and angle blocks supporting the slide were renewed to the bottom of the winze. All the ladders were replaced in the winze and the new ladders were offset and installed with landings.

The old bottom of the winze was cleaned and the first round was shot in the bottom of the winze on July 25th. Hitches were then cut for a bearing set and the shaft surveyed by Preston and Reynolds, Consulting Mining Engineers of Kellogg, Idaho, and the line established for the downward extension of the winze. At the end of the month the bearing set and one shaft set were in place and three rounds taken from the bottom.

Sincerely,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton Hitchcock Jr

President

September 20, 1952

UNCOMPAHGRE MINING AND DEVELOPMENT CO.
Docket No. [illegible] 203 E
Contract No. 109

Atomic Energy Commission,
Bureau of Mines
1201 No. Division St.,
Spokane 2, Washington

Attention Mr. Fell, Auditor

Gentlemen:

Supplementing our invoice for July, 1952, the following data is submitted.

The distribution shown on the July report (Form UM-106) has been adjusted in the "Totals to Date" column to properly show the true distribution.

The "Totals Previously Reported" column on the July report (Form UM-106) is entered as shown in the "Totals to Date" column on the approved invoice for the month of June. The total (14,390.03) under the "Totals Previously Reported" column is that approved by the Government.

There is attached a work sheet showing the redistribution in the "Totals to Date" column.

Yours very truly,

UNCOMPAHGRE MINING AND DEVELOPMENT CO.

E. F. Fisher

Auditor

Enc.

M. E. Volin July 29, 1952

H. T. Reno

Periodic inspection of Contract Idm E-189, Whitedelf Mining Co., Docket DMA 255 (lead) Bonner County, Idaho

I inspected the work with the foreman for the subcontractor, Mr. Welch, July 8, 1952. This project covers rehabilitation of 400 feet of winze, deepening the winze 400 feet and drifting on the 800 foot level. The shaft work has been subcontracted to the R. S. McClintock Company.

At the time of my visit 9 sets had been replaced at the shaft collar, 50 feet rehabilitated, and new bucket slides installed. The subcontractor has removed the skip and intends to sink with buckets. If this work was not subcontracted for a firm unit price there might be some question as to the advisability of sinking to 800 feet with buckets - the hoisting will undoubtedly be slow.

Mr. Welch appears to be a competent man and it is believed that progress on the project will now be satisfactory.

H. T. Reno

Orig. to files
cc: USGS, Spokane (2)
WASH. (2) ✓
HTR (1)

HR

Form MF-104 (Rev.)
(April 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Budget Bureau No. 42-R1036.3.
Defense Minerals Exploration Administration

RECEIVED Keller
AUG 25 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA 200 X Contract No. 76n. 139
Operator's Name [illegible] Minerals [illegible]
Address [illegible] Boise 1, Ida.
Contract Amount, $ 10,000.00 Government Participation: 50 % Amount, $ [illegible]

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
Timber	1100.00	1100.00	[illegible]			
(2) Labor and Supervision:						
Labor	[illegible]	[illegible]	[illegible]	386.75		
Supervision	[illegible]	1000.00	1000.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber		[illegible]	[illegible]			
Explosives						
Pipe						
Track						
Other	[illegible]	[illegible]	[illegible]		612.66	
(4) Operating Equipment:						
Rental						
Purchase	130.01	1760.00	1890.00	—0—		
Depreciation	306.00	[illegible]	[illegible]	53.34		
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		[illegible]	[illegible]			
Sampling and Analysis						
Payroll Taxes	79.30	[illegible]	[illegible]	58.74		
Liability Insurance 1/12	4.68	[illegible]	10.20	3.62		
Cover	120.00	700.00	[illegible]			
Auditing		500.00	[illegible]	100.00		
(8) Contingencies (specify):						
TOTALS	[illegible]	18024.00	[illegible]	2172.53	12,824.39	14,996.92

I certify that the above bill is correct and just and that payment therefor has not been received.
Date July 18, 08 *Payee Middle [illegible] Min. & Dev. Co.
Per Compton, White, Jr. Title President

*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.

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.

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1086.26

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. dm E184 in accordance with the terms of the contract.

Signature Howard T. Perno Title Min Engr. Date 7-22-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E. Howard Title Mining Engr. Date 7-22-52

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. 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.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1952 Docket No. DMEA 255 X Contract No. Idm-D-189
Operator's Name Whitecliff Mining & Development Co. Minerals Lead
Address 401 Empire State Bldg., Spokane 1, Wn.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes Rehabilitation				15 605 22	?			
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				15 605 22				Total Costs Authorized by Contract
Operating Equipment Purchased								4 697 55
Initial Rehabilitation and Repairs								12 000 00
New Buildings, Improvements, etc.								
Total Costs								

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.

Date July 15, 1952 Operator Whitecliff Mining & Development Co.

Per Compton S. White Jr. Title President

Remarks: We do not have information available on amt of timber used to properly report costs to date. It would seem cost of equipment should be prorated on basis of probable months of service. Will try to have complete in next report.

→ 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.

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF–104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF–104A has been designed to tie in with Form MF–104 for both monthly and cumulative costs. The "Total Costs" on Form MF–104A for each month should equal the monthly "Total Costs" as reported on Form MF–104. This is also true of the "Total Costs To Date".

In preparing Form MF–104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

U. S. GOVERNMENT PRINTING OFFICE 205676

July 15, 1952

Contract Idm-X-119
Docket No. 255 X

United States Department of
the Interior,
Bureau of Mines,
1201 North Division St.,
Spokane 2, Washington

Attention: Mr. G. F. Reno.

Subject: Report for the month of June, 1952

Gentlemen:

The following progress is reported for the month of June, 1952, at the Whitedelf Mine:

The pump ordered and delivered to the mine by the Ingersol-Rand Co., has been installed against a positive head on the suction side in the south 400 foot level with suitable automatic electric controls and the water from the north 400 level has been piped to the south 400 level so that it also is removed from the mine by the single pump installation. The operation of the pump and its facility has proven to be very satisfactory.

A contract has been entered into with Mr. F. J. McClintock to complete the rehabilitation of the Whitedelf winze to the 400 foot level and to deepen the same winze on its present slope and direction to the 550 foot level. This contract has been submitted to your office for approval.

Work under this contract was started on the 23rd day of June and during the remainder of the month of June progressed in a manner satisfactory to the Company.

The remainder of the rehabilitation will be completed as rapidly as possible and the deepening of the winze started upon its completion.

Yours very truly,

WHITE [illegible] CO.

Compton J. White

Compton J. White, Jr., President

CJW:ef

Rec'd report of progress [illegible]

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 189

Name of Operator WHITEDELF MINING & DEVELOPMENT CO.
Docket No. DMA 255 X
Total Contract Amount $ 120,250.00
Government Participation: 50 % Amount, $ 60,125.00
Distribution of Expenditures for Month of May, 1952

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 may be made from time to time.

Defense Minerals Administration
JUL 18 1952

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.

WHITEDELF MINING & DEVELOPMENT CO.
(Name of Company)

By Compton J. White Jr.
(Signature of Authorized Official)

June 1952
(Date)

President
(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—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		1,797.15	1,709.60		1,768.99	1768.99
(b) Rented[2]						
(c) Furnished by operator						
Int. Truck	41.67	125.01	166.68			166.68
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

COMPTON I. WHITE
SECRETARY-TREASURER
CLARKS FORK, IDAHO

W. W. VON CANON
PRESIDENT
SANDPOINT, IDAHO

COMPTON I. WHITE, JR.
VICE-PRESIDENT
CLARKS FORK, IDAHO

WHITEDELF MINING AND DEVELOPMENT CO.

MINE OFFICE
CLARKS FORK, IDAHO

FISCAL OFFICE
416 EMPIRE STATE BLDG.
SPOKANE 8, WASHINGTON

EASTERN OFFICE
608 NORTH CAROLINA AVE. S. E.
WASHINGTON, D. C.

Clarks Fork, Idaho
June 17, 1952

United States
Department of the Interior
Bureau of Mines
1314 North Division Street
Spokane 2, Washington

Contract Ida-[illegible]189
Docket No. 25[illegible]

Attention: Mr. Rene

Subject: Report for month of May, 1952.

Gentlemen:

The following progress was made at the Whitedelf Mine during the month of May.

The main adit of the mine was rewired and timbered where required.

At the 400 foot level sufficient supporting timber was installed to insure the south drift would remain open during the sinking program.

The dam in the south 400 foot level drift for impounding the water made in the shaft, both above and below the 400 level, as well as the water collected by the south drift on the 400 foot level was installed.

A general cleanup of the mine workings was completed.

In an effort to find a suitable shaft crew, several shaft workmen and contractors were contacted in the Wallace, Kellogg and Mullan area. At the end of the months definite contract had been considered or let.

Sincerely,

Whitedelf Mining and Development Co.

Compton I. White Jr.

Compton I. White Jr., Pres.

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	355.00	2,034.62	2,418.50	355.00	2,063.50	2418.50
5. Supervision	200.00	800.00	1,000.00	200.00	800.00	1,000.00
6. Supplies						
(a) Timber	1,284.32	3,504.49	3,504.49	1,284.32	2,220.17	3,504.49
(b) Explosives						
(c) Repair Parts	45.48	218.05	263.53	45.48	218.05	263.53
(d) Other	59.40	548.19	606.60	64.46	548.20	612.66
7. Power	114.00	594.00	708.00	114.00	594.00	708.00
8. Transportation	21.06	87.69	108.75	16.00	28.30	44.30
9. Insurance						
(a) Fire 1/6	2.00	12.10	5.62	2.00	-0-	2.00
(b) Public Liability 1/12	3.62			3.62		3.62
(c) Workmen's Compensation	30.53	158.63	188.02	30.53	157.49	188.02
F.S.S.& Unemp.Comp	23.32	127.48	143.60	23.32	120.28	143.60
10. Contract Work		2,600.00	2,600.00		1,500.00	1,500.00
11. Other (specify)						
Auditing 5 Mos.	500.00	400.00	600.00	500.00	-0-	500.00
Total	2,680.40	13,057.41	14,023.39			
Deletions		1,714.42				
Adjusted totals		11,342.99				
Totals previously reported	11,342.99					
Totals to date	14,023.39			2,680.40	10,143.99	12,824.39

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by J. Sanders
Entered by
Approved by Horace F. Rees
Amount approved for payment Item 6 reduced by $5.06.
Remarks This was added to Item 6(d)

Amt. Approved for Payment $1,340.20

16—04068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF May, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	1055.00		1343.72	281.68	2680.40					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1055.00		1343.72	281.68	2680.40					

[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.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

M. E. Volin, Member, DMEA Field Team, Reg. II May 21, 1952

H. T. Reno, mining engineer, Bureau of Mines

Periodic inspection of Contract Idm-E189, Whitedelf Mining and Development Co., Bonner County, Idaho, Docket No. 255X (lead)

I visited this property with E. A. Magill on May 9, 1952. Work was suspended, and no one was in attendance on the property. As Mr. Magill was familiar with the workings we inspected the work without a representative of the operator being present.

The operator had replaced three timber sets and poured a concrete collar and slab at the top of a 400 winze which is to be made safe for further sinking 400 feet. A skip pocket was timbered and the hoisting sheave placed on two 12x12 stulls. Timber sets were not extended to the sheave supports. The hoist was in place and a temporary cable threaded through the sheave. Other than the lack of timber sets below the sheave we could see no reason to criticize the work.

We located the manager, Mr. White, Sr., and the superintendent, Mr. White, Jr., in Clarks Fork. They informed us that they were trying to locate a sinking crew and expected to be in operation within a week. The operators have discussed the possibility of working through the Hope with representatives of the Hope Company. They are awaiting a definite proposal before taking further action.

It is apparent to me as it has been to Mr. Magill that the project will not be completed within the allotted time at the present rate of progress.

H. T. Reno

Orig. to files
cc: USGS, Spokane
2 cys - Wash.
HTR

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 189

Name of Operator Whitedelf Mining & Development Co.
Docket No. DMA 255 X
Total Contract Amount $ 120,250
Government Participation: 50 % Amount, $ 60,125.00
Distribution of Expenditures for Month of April 1952

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 may 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.

Whitedelf Mining & Development Co. By Compton Dewhile Jr
(Name of Company) (Signature of Authorized Official)

May 21, 1952 President
(Date) (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—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1] *	1249.60	547.55	1797.15	1308.99	460.00	1768.99
(b) Rented[2]						
(c) Furnished by operator						
~~Int. Truck~~	~~41.67~~	~~83.34~~	~~125.01~~			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

COMPTON I. WHITE
SECRETARY-TREASURER
CLARKS FORK, IDAHO

W. W. VON CANON
PRESIDENT
SANDPOINT, IDAHO

COMPTON I. WHITE, JR.
VICE-PRESIDENT
CLARKS FORK, IDAHO

WHITEDELF MINING AND DEVELOPMENT CO.

MINE OFFICE
CLARKS FORK, IDAHO

FISCAL OFFICE
416 EMPIRE STATE BLDG.
SPOKANE 8, WASHINGTON

EASTERN OFFICE
608 NORTH CAROLINA AVE. S. E.
WASHINGTON, D. C.

May 22, 1958.

Defense Minerals Administration,
Bureau of Mines,
1313 North Atlantic St.,
Spokane, Washington.

Contract [illegible]
Patent No. 380 [illegible]

Attention Mr. Dean:

Gentlemen:

Subject: Report for month of April, 1958.

During the month of April contract crews completed the [illegible] for the refinishing of the office of the [illegible] including the fourth and below the [illegible] requires logging, plus the installation of the [illegible] lead and [illegible] bolts for the bottom has been completed.

The pump ordered from the Ingersoll-Dresser Corporation has been received and work necessary for the installation has been started.

Certain available short labor contractors have been contacted and have inspected the shaft and have been informed of our proposed stoping program. As the end of the month of April no firm bid has been received or accepted. It is anticipated, however, that a reliable contractor can be engaged. The effort of the company is to do so.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton I. White Jr.

Compton I. White, Jr., President

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	283.25	1801.37	2084.62		1,780.25	2,063.50
5. Supervision	200.00	600.00	800.00			
6. Supplies						
(a) Timber		3504.49	3504.49		2,220.17	
(b) Explosives						
(c) Repair Parts	30.05	188.00	218.05			
(d) Other	29.60	518.59	548.19		518.60	
7. Power	162.00	432.00	594.00			
8. Transportation *	59.39	28.30	87.69	—o—	28.30	
9. Insurance						
(a) Fire						
(b) Public Liability		12.10	12.10		—o—	
(c) Workmen's Compensation	26.58	132.05	158.63		130.91	
FSSI & Unemp. Comp.	20.31	107.17	127.48		99.97	
10. Contract Work	1100.00	1500.00	2600.00	—o—	4500.00	
11. Other (specify)						
Auditing	100.00	300.00	400.00	—o—	—o—	
Total	3302.45	9754.96	13057.41			
Deletions						
Adjusted totals						
Totals previously reported	9754.96					
Totals to date	13057.41			2,102.45	8041.54	10,143.99

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

* Included in cost of pump.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by [signature]
Entered by
Approved by Horace T. Reno
Amount approved for payment $ 1051.23
Remarks Items 10 & 11 not supported by documents.

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF April, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	333.25	1240.00	69.66	1409.96	3302.46					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
	333.25	1240.00	69.66	1409.96	3302.46					
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.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

S. Power	162.00
Transportation	59.30
Workmens' Comp.	26.56
FICA & Unemp.Comp.	20.51
Contract	1100.00
Depreciation	41.67
	1409.96

M. E. Volin, Member, DMEA Field Team, Reg. II April 10, 1952

E. A. Magill, Mining Engineer, Bureau of Mines

Routine progress examination of Whitedelf Mining & Development Co., Bonner County, Idaho, Contract Idm-E189, Docket No. 255X (lead).

A routine progress examination was made of the subject property on April 8, 1952.

At the time of my visit the operators were in the process of replacing the top three sets of timber in the winze (under contract to Anderson with 3 men working underground and 1 man on surface). Replacement of these sets is necessary before the timbering of the skip pocket and removal of additional rock for free movement of the hoist cable can be completed. The operators plan on concreting the collar of the winze and pouring a concrete slab to set the hoist on. It is estimated that it will be another week before the skip pocket and hoist installations are completed. It was suggested to the operators that the two timbers which are holding the sheave wheel be braced into the timbering in the skip pocket. At present these two timbers are resting only in niches cut into the footwall and hanging wall. The sheave wheel shaft is 40 feet above the collar of the winze.

Invoicing and monthly reports were discussed with the operators in some detail. It is hoped that in the future the operators will be able to prepare a report which is acceptable to the Fiscal Officer.

The possibility of exploring the Whitedelf north ore shoot through the Hope mine workings was discussed with the operators. As was pointed out in a previous memorandum, this work could be accomplished at a substantial saving to the project. The operators are willing to discuss the matter with the Hope people; arrangements have been made for such a meeting on April 11.

Progress on the project during the last month has been unsatisfactory as far as the amount of work accomplished. It should also be brought out again that six months of a twelve months project have passed and a very small portion of the work to be done is completed. The operator still does not have definite plans as to exactly how his skip installation is to be made or the exact method of sinking the winze the additional 400 feet. It is obvious from the progress to date that an extension of time will be necessary to complete the project.

E. A. Magill

Orig. to files
cc: USGS
Wash (2 cys)
EAM

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 189

Name of Operator WHITEDELL MINING AND DEVELOPMENT CO.
Docket No. DMA 256 X
Total Contract Amount $ 120,250.00
Government Participation: ____ %, Amount, $ 60,125.00
Distribution of Expenditures for Month of March

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~~ 6 prior to the 15th day of the month following the reporting period.

6 *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 may be made from time to time.

Defense Minerals Administration
MAY 13 1952

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.

WHITEDELL MINING & DEVELOPMENT CO.
(Name of Company)

By Compton D. Whitedell Jr.
(Signature of Authorized Official)

4/11/52
(Date)

President
(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—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		547.55	547.55			
(b) Rented[2]						
(c) Furnished by operator						
Truck	41.67	41.67	83.34			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

COMPTON I. WHITE
SECRETARY-TREASURER
CLARKS FORK, IDAHO

W. W. VON CANON
PRESIDENT
SANDPOINT, IDAHO

COMPTON I. WHITE, JR.
VICE-PRESIDENT
CLARKS FORK, IDAHO

WHITEDELF MINING AND DEVELOPMENT CO.

MINE OFFICE
CLARKS FORK, IDAHO

FISCAL OFFICE
401 EMPIRE STATE BLDG.
SPOKANE 8, WASHINGTON

EASTERN OFFICE
608 NORTH CAROLINA AVE. S. E.
WASHINGTON, D. C.

April 11, 1952.

Defense Minerals Administration
Bureau of Mines
1201 North Division Street,
Spokane 2, Washington

Contract Idm-E-189
Docket No. 255 X

Attention: Mr. Glenn C. Reed

Subject: Narrative Report for March, 1952

Gentlemen:

Since our letter of information accompanying our previous report, the following progress has been made at the Whitedelf Mining and Development Company property.

Work under the approved contract for re-timbering the mine station has been completed.

A total of 73,390 board feet of mine timber, including lagging and timber for incidental requirements has been procured, delivered to the mine and properly stored.

We have been advised that pump ordered from the Ingersol-Rand Corporation, Cameron Division, was shipped from Trenton, New Jersey, on the 26th day of March.

A contract, copies of which are enclosed, has been entered into by the company and Iver Anderson to retimber the first four sets below the collar of the Whitedelf shaft. This contract also includes the construction of a cement base for the hoist and additional timber support for the south portion of the station.

The management of the company has also contacted several potential shaft labor contractors. No contract has been arrived at to date. It is contemplated, however, that a suitable contract for sinking the shaft can be let at the completion of the present rehabilitation program.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton I. White Jr.
President

CIW-of

WHITEDELF MINING AND DEVELOPMENT CO.
PAYROLL - MARCH, 1952

Contract No. Idm. 189 Docket No. DMA 255 X

SUPERVISION

C. I. White, Jr. (Superintendent)		200.00

PAYROLL

March	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Hours	Rate	
Guy J. Rose	8		8	8	8	8	8	8		8	8	8	8	8	8	20 24	1.50) 2.25)	174.00
S. M. McConnell, Jr.						7½	8	8			7	6½	6½	6½		50	1.50	75.00
Paul Thornton	7½		8	7½		8	8	8		8	7½	8	8	7½	7½	93¾	1.50	140.25

March	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Hours	Rate	
Guy J. Rose		8	8	8	8	8	8		8	8	8	8	8	8		8	32 16	1.25) 1.87½)	140.00
S. M. McConnell, Jr.		8	8½	8½	8	6½			8½								36	1.50	54.00
Paul Thornton					8				8		8	8					32	1.50	48.00
																			331.25

NAME	Social Security	Withholding Tax	Unemployment Compensation	Workmen's Compensation
Guy J. Rose, Surface Worker	$4.71	$41.00	$ 3.48	$17.27
S. M. McConnell, Jr. Surface Worker	1.94	--	3.49	7.10
Paul Thornton, Miner	2.32	6.20	5.00	10.35
C. I. White, Jr., Supt.	3.00	--	5.40	11.00
	12.47	47.20	22.45	45.72

WHITEDALE MINING & DEVELOPMENT CO.

March 1952

Contract #Idm. E-138 Docket No. 255 A

6. Supplies
Timber
Logging 73,250 Feet Richard Therien 3/15/52 1294.32
Sawing " " Hope Lumber Co. 2/19 to 3/10/52 1321.02

Repair Parts

(d) Other

Montague Serv. Sta. February 17.36
" " " March 26.60

7. Power
Vt. Stare Power Co. March 31 152.00

8. Transportation
Clark York Tourist 3/15 3.00
Dwight F. Dew 3/15 " 12.00

9. C. J. Halstead Truck 12.10

10. Contract Work 1200.00
Ivor Anderson

WHITEDELF MINING & DEVELOPMENT CO.

Contract No. IGm. E-159 Docket No. 255 X

Exploration Unit Cost & Progress for month of March 1952

Note 1	Wages & Salaries		
	Supervision	$200.00	
	Payroll	631.25	
	Auditing	100.00	931.25
Note 3	Other		
	Rental of Machinery	41.67	
	Power	162.00	
	Transporation	15.09	
	Insurance	12.10	
	Workmen's Compensation	45.72	
	Social Security	12.47	
	Unemployment Insurance	22.45	
	Contract Work(Iver Anderson)	1200.00	1511.50

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	631.25	1170.12	1801.37			
5. Supervision	200.00	400.00	600.00			
6. Supplies						
(a) Timber	2605.34	899.15	3504.49			
(b) Explosives						
(c) Repair Parts		188.00	188.00			
(d) Other	44.02	474.57	518.59			
7. Power	162.00	270.00	432.00			
8. Transportation	15.09	13.21	28.30			
9. Insurance						
(a) Fire	12.10		12.10			
(b) Public Liability						
(c) Workmen's Compensation	45.72	86.33	132.05			
Soc. Sec. & Unemp. Ins.	34.92	72.25	107.17			
10. Contract Work	1200.00	300.00	1500.00			
11. Other (specify)						
Auditing	100.00	200.00	300.00			
Total	5092.11	4662.85	9754.96			
Deletions						
Adjusted totals						
Totals previously reported	4662.85					
Totals to date	9754.96			3696.69	4344.85	8041.54

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by W R Lee
Entered by
Approved by Elmer A Magill
Amount approved for payment $1848.34
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF March

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	931.25		2649.36	1511.50	5092.11					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	931.25		2649.36	1511.50	5092.11					

[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.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

Code 500

A-MEA 255

M. E. Volin, Member, DMEA Field Team, Reg. II March 18, 1952

E. A. Magill, mining engineer, Bureau of Mines

Routine progress examination of Whitedelf mine, Bonner County, Idaho, Contract Idm-E189.

A routine progress examination was made of the subject property on March 8, 1952.

At the time of the visit there were three men working on contract, retimbering the skip pocket at the head of the winze. Besides these three men there was a hoistman and Compton I. White, Jr. on the job. They were in the process of placing 12"x12" timbers above the skip pocket on which to relocate the sheave wheel. It is estimated that it will take at least two weeks more to complete the work above the collar of the winze.

The operators have approximately 80,000 board feet of shaft timber and lagging stacked at the portal of the main adit. The majority of this timber is fir with the remainder larch. Compton White, Jr. estimates that it will take 100,000 feet of timber to complete the contract. The operators have taken this timber from their own property and have had it sawed at the local mill. Mr. White states that the costs have been:

Construction of access road	$710.00
Logging	$ 17.50 per thousand
Sawing	$ 18.00 per thousand
Hauling from mill back to job, estimated	2.00 per thousand

It was requested that he furnish a detailed cost sheet to show exactly how much the timber is costing the project. Local inquiry indicates that timber may be purchased and delivered at the mine for $50 to $55 per thousand.

The operator is still undecided as to exactly how he is going to install the skip. His present plans call for track on the footwall, and on the hanging wall a rubber roller attached to the skip which will run on lagging; he believes that this will hold the skip on the track. He plans on using the present bucket while rehabilitating the winze.

As far as could be observed, no attempt has been made to date to conform with any of the safety recommendations suggested in the safety inspection report by Mr. McGuire and Mr. Yopes.

Subject: Routine progress examination of Whitedelf mine, Bonner County, Idaho, Contract Idm-K189.

Attention is brought to the fact that the contract has been in effect for almost five months with only a very small portion of the work being partially completed. At the present rate it will take over twice the twelve months allowed in the contract for completion. The operator still does not have a clear, well-developed plan for rehabilitation of the winze and other work to be done.

E. A. Magill

cc: USGS (with 2 cys for Wash.)
EAM

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 189

Name of Operator WHITEDELF MINING AND DEVELOPMENT CO.
Docket No. DMA 255 X
Total Contract Amount $ 120,250.00
Government Participation: 50 % Amount $ 60,125.00
Distribution of Expenditures for Month of February 1952

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 may be made from time to time.

MAR 2 - 1952

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.

WHITEDELF MINING & DEVELOPMENT CO.
(Name of Company)

By Compton N. White Jr.
(Signature of Authorized Official)

March 28, 1952
(Date)

President
(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—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	460.00	87.55	547.55			
(b) Rented[2]						
(c) Furnished by operator						
Truck	41.67		41.67			
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

COMPTON I. WHITE
SECRETARY-TREASURER
CLARKS FORK, IDAHO

W. W. VON CANON
PRESIDENT
SANDPOINT, IDAHO

COMPTON I. WHITE, JR.
VICE-PRESIDENT
CLARKS FORK, IDAHO

WHITEDELF MINING AND DEVELOPMENT CO.

MINE OFFICE
CLARKS FORK, IDAHO

FISCAL OFFICE
401 EMPIRE STATE BLDG.
SPOKANE 1, WASHINGTON

EASTERN OFFICE
608 NORTH CAROLINA AVE. S.E.
WASHINGTON, D. C.

MARCH 25, 1952

DEFENSE MINERALS ADMINISTRATION
BUREAU OF MINES
1207 NORTH DIVISION ST.,
SPOKANE, WASHINGTON

CONTRACT NO. IDM-E-189
DOCKET NO. 255 X

ATTENTION MR. GLENN C. REED

GENTLEMEN:

SUBJECT: NARRATIVE FEBRUARY REPORT.

SINCE OUR LETTER OF INFORMATION ACCOMPANYING OUR PREVIOUS REPORT, THE FOLLOWING PROGRESS HAS BEEN MADE.

WORK UNDER THE APPROVED CONTRACT FOR RE-TIMBERING THE MAIN LINE STATION AT THE END OF FEBRUARY WAS APPROXIMATELY EIGHTY PERCENT COMPLETE.

TIMBER REQUIRED FOR THE PROJECT HAS BEEN DELIVERED AT THE MINE IN THE AMOUNT OF APPROXIMATELY 35,000 BOARD FEET. THIS TIMBER WAS SAWED, HAULED TO THE MINE AND IS NOW STORED ON THE PREMISES.

A PORTION OF THE PUMPING FACILITY CHANGES HAS BEEN COMPLETED AND THE PUMP AND CONTROLS HAVE BEEN ORDERED FROM THE INGERSOL-RAND CORPORATION. DELIVERY DATE IS NOW SCHEDULED FOR THE 10TH OF MARCH.

YOURS VERY TRULY,

WHITEDELF MINING AND DEVELOPMENT CO.

PRESIDENT

WHITEDELF MINING AND DEVELOPMENT CO.
PAYROLL * *FEBRUARY, 1952
Contract No. Idm 189 Docket No. DMA 255 X

SUPERVISION

C. I. White, Jr. (Superintendent)	$200.00

PAYROLL

February	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Hours	Rate	
Guy J. Rose (Surface worker)	8	8		8	8	8	8	8	8		8	8	8	8	8			
Paul Thornton -miner	8	8	11½	7½	5	6½	11½	3½	6	2	8	9½	7	8	8			
Edward Anderson -miner	11							4½								15½	$1.50	23.25
W. J. McConnell, Jr (Surface worker)									8		8		3	7½	7½			

February	16	17	18	19	20	21	22	23	24	25	26	27	28	29	Hours	Rate	
Guy J. Rose	8		8	8	8	8	8	8		8	8	8	8	8	200	1.25	270.00
Paul Thornton			2	7	8	7½	7½	7½		8	7½	8	7½	8	187½	1.50	283.87
W. J. McConnell, Jr.			6	6½	6½	6½	4½	5		6½	7	7	7	7	103½	1.50	155.25
																	$932.37

Name	Social Security	Withholding Tax	Unemployment Insurance	Compensation Insurance
C. I. White, Jr.	3.00		5.40	11.00
Guy J. Rose	4.05	31.40	7.29	14.85
Paul Thornton	4.25	12.40	7.66	15.61
Edward Anderson	.35	.47	.63	1.27
W. J. McConnell, Jr	2.34		4.18	8.53
	$13.99	$44.27	$25.16	$5126

WHITEDELL MINING AND DEVELOPMENT CO.

Contract No. Idm. 189 Docket No. DMA 255 X

2.	Operating Equipment				
	(a) Purchased				
	Intermountain Equipment Co. Inv. 2/5/52 (Pump)				460.00
	(b) None				
	(c) Furnished & Operator				
	Truck				41.67
6.	Supplies				
	(c) Clark Fork Garage			108.46	
	Marshall Wells Co.Inv.2/5/52		Tools	49.50	
	(d) Marshall Wells Co.Inv.2/5/52		Tools	3.48	
	General Electric Sup.Corp.	2/20/52	Misc.	155.52	
	Crane & Co.	2/19/52	Misc.	208.05	
	Crane & Co.	2/20/52	Hatchet	19.34	
	Good Hope Wreckers	2/16/52	Gale Valve	25.00	
	Intermountain Equip.Co.In.	2/6/52	Dixon Valve	4.27	
	Industrial Air Products	2/7/52	Carbide	14.11	464.27
7.	Power				
	Mountain States Power Co.	1/31/52		156.00	
	Mountain States Power Co.	2/29/52		114.00	270.00
8.	Transporation				
	Industrial Air Products	2/19/52		1.34	
	Consolidated Freightways	2/5/52		2.34	
	Consolidated Freightways	2/8/52		1.34	
	Consolidated Freightways	2/13/52		6.33	
	Consolidated Freightways	2/21/52		1.56	13.21
9.	(d) Social Security			16.25	
	Unemployment Ins.			29.22	45.47
10.	Contract Work				
	Ivor Anderson on account	2/12/52			300.00
11.	Other				
	(a) Auditing & Office				
	January & February 1952				200.00

WHITEDELF MINING AND DEVELOPMENT CO.

Contract No. Idm. 189
Docket No. -- 255 X

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF FEBRUARY 1952

1.	Supervision	$200.00
	Wages	732.37
	Auditing	200.00
		1 132.37

4.	Operating Equipment furnished by operator	41.67
	Power	270.00
	Transportation	13.21
	Workmen's Compensation	51.26
	Social Security	16.25
	Unemployment Insurance	29.22
	Contract Work	300.00
		$ 721.61

COPY

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	732.37	437.75	1170.12			
5. Supervision	200.00	200.00	400.00			
6. Supplies						
(a) Timber		889.15	889.15			
(b) Explosives						
(c) Repair Parts	103.46	79.54	183.00			
(d) Other	464.27	10.30	474.57			
7. Power	270.00		270.00			
8. Transportation	13.21		13.21			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	51.26	35.07	86.33			
(d) Soc. Sec. Unemp. Ins	45.47	26.78	72.25			
10. Contract Work	300.00		300.00			
11. Other (specify) Auditing	200.00		200.00			
Total	2884.71	1778.14				
Deletions						
Adjusted totals	1778.14					
Totals previously reported	4662.85					
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Elmer A. Magill
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF February 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	1152.37	460.00	572.73	721.61	2886.71					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1152.37	460.00	572.73	721.61	2886.71					

[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.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

255

IDAHO

BONNER COUNTY

February 1, 1952

Whitedelph Mining & Development Company, Idm-E189, Pb

50-50 of $120,250.00

One year

The objective of the exploration is to explore the Pearl fissure zone at depth. The work involves rehabilitation of the existing winze to make it safe for operation, sinking of the winze 400 feet to the 800 level, and drifting 900 feet along the Pearl fissure zone on the 800 level.

In the opinion of the Field Team, the exploration program as presently set up is unfeasible because the existing winze to the 400 level has not been adequately rehabilitated and is too dangerous for further use.

DRAFT

NORTH CENTRAL

February 1, 1962

Westcoast Mining & Development Company, Ltd.-NPL, 1

30-40 oz. AgO,SiO,CO

One year

The objective of the exploration is to explore the Lucky Pleasure zone at depth. The work involves rehabilitation of the workings which to date it has for operation, although the 300 level to the 400 level, and drifting 100 feet along the Lucky Pleasure zone on the 400 level.

In the opinion of the field men, the exploration program as presently set up is unfeasible because the underlying mines to the 400 level has not been adequately rehabilitated and is too dangerous for further use.

REPORT ON A SAFETY INSPECTION
OF THE
WHITEDELF MINE
WHITEDELF MINING AND DEVELOPMENT COMPANY, A CORPORATION
CLARK FORK, BONNER COUNTY, IDAHO

FEBRUARY 14, 1952

By

L. H. McGuire
Mining Engineer

and

P. F. Yopes
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION II

REPORT ON A SAFETY INSPECTION
OF THE
WHITEDELF MINE
WHITEDELF MINING AND DEVELOPMENT COMPANY, A CORPORATION
CLARK FORK, BONNER COUNTY, IDAHO

February 14, 1952

By

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INTRODUCTION

At the request of Mr. J. J. Forbes, Director, U. S. Bureau of Mines, and with the permission of Mr. Compton I. White, Jr., superintendent of the Whitedelf mine, a safety inspection of the Whitedelf mine was made by the Bureau of Mines representatives on February 14, 1952 for the purpose of pointing out good features, as well as certain unsafe conditions or practices requiring correction. The safety provisions of an exploration program under the supervision of the Defense Minerals Exploration Administration, U. S. Bureau of Mines, and U. S. Geological Survey team were carefully considered, to provide the safest possible working conditions during the execution of the program. Messrs. M. E. Volin, chief, and E. A. Magill, mining engineer, Mining Division, Bureau of Mines, Region II, Spokane, Washington, accompanied the writers during the inspection.

GENERAL INFORMATION

The Whitedelf mine, Whitedelf Mining and Development Company, is located about 2 miles north of Clark Fork, Idaho. Access to the mine is by a nearly level, graveled secondary road following the Lightning Creek Valley. The mine is located on the NE¼, Section 34, T. 56 N., R. 2 E., B.M. Clark Fork (population 400) is near the eastern end of Pend Oreille Lake. It is on U. S. Highway 10 (alternate) and on the main line of the Northern Pacific Railroad. The nearest large supply center is Spokane, Washington, 93 miles by rail or 100 miles by highway southwest of Clark Fork. The elevation at the Whitedelf adit portal (North ore body) is 2,226 feet above sea level. The mine officials are Compton I. White, Sr., president, and Compton I. White, Jr., superintendent, Clark Fork, Idaho.

The ore of the Whitedelf mine consists essentially of lead and silver in sulfide minerals. At present, the mine is being rehabilitated for the purpose of exploring the Pearl (Whitedelf) vein at greater depth.

The mine is opened essentially by two main adits, an underground incline shaft (winze) to the 400-foot level, and a connecting raise from the 400-foot level to the south adit level.

The mine was first opened about 30 years ago. The production from 1926 to 1942 amounts to 82,702 tons of ore containing 658,318 ounces of silver and 11,301,107 pounds of lead according to information furnished by the DMEA Field Team, Region II. Reportedly, since 1942 it has had only minor production from leasing operations. Reserves and future life of the mine are unknown. According to the Field Team, Region II, composed of E. A. Magill, U. S. Bureau of Mines, and J. J. Quinlan, U. S. Geological Survey, "the reserve possibilities are based entirely on a Bureau of Mines drill hole intersection about 400 feet below the lowest working in the north ore body. (See longitudinal projection sketch attached to this report.) The Bureau estimate of 7,500 tons of ore assaying 15 percent lead and 30 ounces of silver a ton, is only a guess, and the real possibilities of the property must be considered in relation to the strength of the Pearl (Whitedelf) vein structure and past production from the property". No ore is being produced at the present time. During the inspection, the superintendent and three men were engaged in rehabilitating the skip pocket above the collar of the incline shaft (winze) on the North adit, maintaining the pumps on the 400-foot level, and retimbering.

No disasters have occurred previously at this property.

According to accident reports compiled by the chief metal-mine inspector of the State of Idaho, during the period 1940 to 1951 inclusive one fatal accident occurred at the Whitedelf mine. A man was killed during 1940 while riding and falling off the bucket in the incline shaft (winze). Lost-time accident statistics were not available.

GEOLOGY AND PHYSICAL FEATURES

The general geology of the region has been described and published by Anderson[1/] and Lorain[2/], and the following condensed information is based from their reports:

The area is underlain by sedimentary rocks of the Belt series (pre-Cambrian). This series comprises from top to bottom, the Striped Peak, Wallace, St. Regis, Burke, and Prichard formations. The Pearl (Whitedelf) vein structure lies in the Wallace formation, which Anderson estimates to be over 6,000 feet thick. The Wallace formation is composed of grayish calcareous shales and quartzites interbedded with greenish or bluish shales and argillites. These beds strike N. 15° E. to N. 40° E. and dip 10 to 20 degrees southeasterly. The local faults of particular interest to this mine are the Pugh (or Norquist) and the Pearl.

The Pugh, or Norquist, fault is exposed on nearly every level of the Whitedelf mine. It is a strong, gouge-filled fissure which strikes S. 85° W. and dips about 75° to the southeast. The principal ore body in the mine terminated southwesterly against this fault.

1/ Anderson, Alfred L., Geology and Ore Deposits of the Clark Fork District, Idaho, Bull. 12, Idaho Bureau of Mines and Geology, University of Idaho, 1930, 130 pp.

2/ Lorain, S. H., Clark Fork Lead-Zinc District, Bonner County, Idaho, Report of Investigation, August 1946, 14 pp.

The Pearl fault is a strong shear zone that ranges in width from a few feet to 30 feet or more. Where exposed in the northeasterly workings of the Whitedelf mine, the Pearl fault consists of a central crushed section, 3 to 4 feet wide, with 10 to 30 feet of strongly fractured and brecciated wall rock. Its average strike is about N. 40° E., and it dips 65 degrees to the southeast. The Pearl fault contains two small ore shoots southwest of the Pugh (or Norquist) fault, but it is not generally well mineralized southwest of the Pugh fault. Northeast of the Pugh fault, it is strongly mineralized wherever it has been intersected. U. S. Bureau of Mines diamond drill hole No. 3 drilled to a depth of 1,160 feet intersected a strong mineralized fault at or very near the projected position of the Pearl fault. Thus, the Whitedelf ore shoot holds promise of continuing downward to the 1,000-foot level.

The ore shoots worked by the Whitedelf mine are on steeply dipping veins in the strong Pearl fault. The main Whitedelf ore shoot has been stronger and more productive than any other ore shoot in the district. The ore in the main ore shoot usually occurs as a vein of massive sulfides along the footwall of the central or crushed section of the Pearl fault, although occasionally ore has been stoped from the hanging-wall fracture. In places, the veir splits into small, closely spaced stringers; at other places, the sulfides may be distributed throughout the fault. The main ore shoot rakes to the east about 50 to 60 degrees.

The localization of the ore shoots was influenced by several factors, the most important one being changes in dip along the Pearl vein. As is characteristic of reverse faults, the best ore occurs where the vein flattens. The presence of cross-factures has also tended to help localize the ore shoots as well as the barrier action of the gouge along the Pugh fault which resulted in a concentration of ore along the fault.

The workings of the adjoining Hope mine extending under Lightning Creek are filled with water. Workings of the main Whitedelf ore shoot extend down to the 600-foot level although no workings below the 400-foot level are accessible at the present time. The inflow of water on the 400-foot level of the Whitedelf mine was approximately 150 gallons a minute on the date of the inspection. The alluvium overburden above bedrock in the Lightning Creek Valley separating the Whitedelf from the Hope mine ranges from 0 to approximately 400 feet in depth. This overburden may be considered as saturated with water because of Lightning Creek passing over it as well as deep snows and natural drainage from the high mountains on each side of the valley. Reportedly, numerous heavy flows of water were encountered in the adjoining Hope mine which lasted one week or more. There is a possibility of similar inrushes of water when drifting northeasterly on the proposed 800-foot level, and especially when approaching the Pearl (Whitedelf) fault vein structure. This fault structure on the 800-foot level will lie under the saturated alluvium separated by approximately 400 feet of rock, however, the static water pressure will be high and water may find its way through the faulted shear zone or other fissures in copious quantities. If ore is found in minable quantities, then the hazard of an inrush of water during stoping upward toward the 600-foot level must be recognized inasmuch as these old workings below the 400-foot level are filled with water.

SURFACE EQUIPMENT AND BUILDINGS

Head Frame, Hoist House, and Hoisting Engine

No hoisting equipment was mounted on the surface. The mine was opened by the Whitedelf or North ore body adit and the South ore body adit.

The present underground hoisting installation and recommended changes are discussed in detail later in this report under the heading of Underground Shafts.

Fan House

The mine was being ventilated by natural means. No fan was provided.

Change House

One of the small, wooden buildings near the Whitedelf adit portal served as a change house for the workmen.

Repair Shops

A small frame building, approximately 50 feet from the North Whitedelf mine portal housed the repair shop. The grinding wheels were not provided with tool rests or retaining hoods.

A face shield was provided on the bench alongside the grinding wheels.

The repair shop, as well as adjoining buildings of all-wood construction were connected to the Whitedelf adit portal by means of mine track covered with a continuous all-wood snowshed. A fire door was not erected in the adit to prevent smoke or fire from outside sources endangering men working underground.

A former steam engine, upright, one-cylinder type, was driven by compressed air to operate an unguarded wedge saw. The belt drive was unguarded. The wedge saw was mounted in an open shed which adjoined the rear of the repair shop.

The buildings were lighted with electric lights. The rubber-covered wiring was mounted on insulators.

None of the buildings were provided with portable fire extinguishers, fire plugs with fire hose, or water barrels with buckets.

A 50-ton-capacity flotation mill housed in a building of all-wood construction is located approximately 1,000 feet from the Whitedelf adit portal at a lower elevation. The mill was idle.

A small, unused wooden building was located within approximately 20 feet of the portal at the South ore body adit. Wood shoring along the entrance cut to the portal joined the previously described building. On the day of the inspection, natural air currents were entering the South ore body adit level. No person was in attendance and a fire door was not provided at the mine opening to prevent smoke or fire from outside sources endangering men working underground.

An ore bin, close to the mine portal with its top on a level with the mine track, was left open.

The buildings and South ore body adit portal were approximately 500 feet from U. S. Highway 10 (alternate). The main armored cable furnishing electric power for the Pomona pump on the 400-foot level of the mine entered the South adit.

Electricity - Surface

Electricity is transmitted over conventional power lines and purchased at the mine. It is transformed through primary and secondary transformers to 440, 220 and 110 volts alternating current for mine use.

The transformers were isolated by elevation 8 feet above the ground. No hazards were observed.

Power was taken underground in reasonably new armored cables.

FIRE PROTECTION - UNDERGROUND

No fire extinguishers or fire-fighting equipment was provided underground. Generally, the mine was damp to wet and very wet below the 200-foot level. Thus, the mine fire hazard was not serious.

The North ore body (Whitedelf) adit drift level was generally closely timbered and lagged because of the extensive stoping that had been performed in the past both above and below this level. The timber and lagging were generally wet throughout the entire length of the Whitedelf adit drift.

The Whitedelf incline shaft (winze) hoisting station, skip pocket, ropeway and sheave wheel location were quite dry and no fire extinguishers were provided.

Electrical power conductors were not carried down the North adit main incline shaft (winze) to the 400-foot level. However, smoking was permitted at the Whitedelf incline shaft station. A small electric heater, which was disconnected, was located near the hoist.

A 4-inch pump water line, a 2-inch water transfer line for wet drilling, and a 2-inch compressed-air line were provided in the manway compartment of the Whitedelf incline shaft (winze) and adit level connected thereto. Water taps were not provided in the pumping

pipe column for fire-fighting purposes, nor were spud cross-over connections provided for converting the compressed-air lines into water lines in the event of an emergency.

Fire warning signals or a stench warning system were not provided.

UNDERGROUND SHAFT AND EXPLORATION PROGRAM

The safety requirements of the exploration program proposed for the Whitedelf mine were given special attention during the inspection. The following describes the present and the proposed hoisting arrangements, and recommends safeguards for the new hoist installation.

The exploration plan is to extend the Whitedelf shaft (winze) from its present depth of 483 feet to a depth of 800 feet on the incline, to cut out a station and sump at this level, and then to drift about 900 feet to explore an area which has shown favorable mineralization in a diamond drill hole.

The longitudinal section of the Whitedelf mine workings attached to this report illustrates the proposed exploration, and shows an alternative exploration plan which has been considered. The plans were made by a field team of the DMEA.

The present hoist is to be used for the exploration, but track is to be laid in the inclined shaft and hoisting done with a skip, instead of with a bucket as in the past.

If modifications and safeguards outlined in this report are followed, and safe operating practices adhered to, it is believed the limited exploration program contemplated can be safely accomplished.

The inclined shaft or winze extends for 483 feet below the North ore body Whitedelf adit level, and has an average dip of 68°. The elevation of the shaft collar is about 2,230 feet above sea level. It is a 5- by 8-foot shaft with a hoisting compartment and manway-pipeway compartment. The ladderway is in poor condition, and there are no sollars. Hoisting is done with a 1/2-ton bucket, which rides in guides.

There are three levels off the shaft, at 100, 200, and 400 feet. About 10-foot pillars of ore have been left on each side of the shaft, and it is timbered and lagged, the main timbers being 10 inches by 10 inches in dimension. The shaft is damp above the 200-foot level, and wet below this level.

The shaft is not properly aligned either in direction or on the incline. Because of its poor alignment, it is doubtful if this shaft could ever be made into an efficient main operating shaft without investing a prohibitive amount of money in realigning and retimbering. However, the shaft has to be repaired and maintained if the mine is to be kept open, and it should be possible to put it into condition to carry out the proposed exploration program without too great an expenditure.

If ore is found, and a vertical operating shaft sunk later, this opening will be valuable as a secondary entry, service and ventilation shaft.

Shaft Repairs Required for Exploration Program

A number of sets of timbers above the 200 level will have to be replaced, and some sets below this level. Numerous sills have been partly or entirely sawn through because of the hoist rope rubbing against them. Practically all of the ladders appeared to have decayed enough to be unsafe, and should be replaced. Sollars should be provided at 20-foot intervals.

The shaft rehabilitation should be carefully engineered to prevent excessive rope wear and provide as safe and efficient hoisting operation as possible. The engineering will determine to what extent realignment is practical. Some idlers will be required, and it may be advantageous to face some of the sills which the rope rubs against with rubber belting or similar material to limit wear.

Survey for Shaft Extension

The most suitable dip and direction of the shaft extension should be determined by a survey, and the shaft kept on line when sunk.

Ventilation and Pumping When Sinking

Mechanical ventilation will be required for both the sinking and drifting phases of the exploration program. Air-driven sinking pumps should be provided.

HOISTING EQUIPMENT

Hoist

The electric hoist was purchased and installed in 1940, and has been used intermittently since then. It appeared to be in good mechanical condition. Specifications of the hoist are given below, and a photograph shows the general arrangement of the motor, drum brakes, and controls. (See photograph attached.)

Manufacturer:	Coeur d'Alene Hardware Co., Wallace, Idaho
Type:	Single flat drum, electric driven
Drive:	Gear driven by 40 hp. 440-volt alternating-current motor.
Drum dimensions:	Width, 24 inches; diameter, 22 inches; flange depth, 3-1/2 inches; rope capacity, 1,200 feet of 5/8-inch rope (with about 1/2 inch free flange depth).
Lifting capacity:	Rated, 4,000 pounds; maximum, 4,500 pounds.
Hoisting speed:	367 feet a minute maximum with load.
Main brake:	Band-type hand brake on rope drum shaft.

Auxiliary brake: Manually applied post-type brake on drum on motor-shaft extension.

Level indicator: Operated by worm gear on main hoisting drum shaft.

Modifications in Hoist

1. The manually operated auxiliary brake should be made automatic so that the brake is applied when the current is cut off, and is held in the "Off" position by mechanical means when the current is on. An automatic switch to cut off the electric current in the event of an overwind could be installed. A supplier of equipment of this type has advised that the cost of placing an automatic brake on the motor shaft would be from $1,000 to $1,500.

2. The rope drum flange should be built up to as great a depth as possible, to guard against the rope jumping off the drum.

With the present hoist-motor set-up, it is doubtful if the flange can be built up for more than 1 inch, to a total depth of 4-1/2 inches, as the motor is directly in back of the rope-winding drum. The hoist manufacturers have been consulted to determine if it would be practical to move the motor so as to extend out from the hoist drum, instead of being in back of it. This would allow a greater increase in the flange depth of the hoisting drum, possibly sufficient to permit the use of a larger size wire rope.

Special Safety Recommendations for Hoist Installation

1. The mechanical condition of the hoist and sheave wheel should be checked and any repairs or changes required made. The groove of the sheave wheel should be made suitable for the rope used.

2. The hoist should be well anchored when installed. Anchor bolts or reinforcing rods in the concrete foundation should be grouted into holes drilled in the floor.

3. The sheave wheel should be located so no idlers are required above the collar of the shaft, and the rope does not rub against the rock.

4. A permanent ladderway giving easy access to the sheave wheel for inspection and oiling should be provided when the hoist station is retimbered.

Hoisting Rope

A 3/4-inch-diameter wire rope is in use. It showed an estimated wear of 20 percent of the outer wires, and did not appear to have been well lubricated. It is possible that the rope has been weakened by internal corrosion because of the lack of lubrication as it has been used intermittently under wet conditions. This rope should be replaced.

Regular checking and recording of information on the hoist and hoist rope has not been done. The rope was attached with five Crosby-type clips spaced at about 12-inch intervals. One of the clips was put on improperly, with the U-bolt against the live rope. A thimble was used.

The sheave wheel used had a diameter of 30 inches, and the fleet angle was less than 1-1/2°.

Hoisting Rope and Attachment Replacement

Because of the small diameter, shallow flange depth, and low rope capacity of the hoist drum, it is believed that a 5/8-inch-diameter best quality standard hoisting rope is suitable for the exploration program. A rope of this type would have a breaking strength of 16.7 tons, and weight of 0.63 pounds per foot. Assuming the clamp fasteners on the rope to be 80 percent efficient, and taking a load of 4,000 pounds, the safety factor for this rope would be 6.68. When hoisting men in an empty skip, the safety factor would exceed 9.

A 5/8-inch-diameter rope would require more frequent replacement than a larger rope, but would cost less. A wire rope company quoted a price of $200 for a 1,000-foot length of a best quality 5/8-inch rope, f.o.b. Clark Fork, Idaho.

Crosby-type U-bolt wire rope clips and a wire rope thimble are satisfactory for attachment of the rope to the skip bail. Clips should be attached with the U-bolt applying against the dead end of the bolt. Five clips should be used, spaced according to the manufacturer's recommendations.

The end of the rope attached to the drum should be wrapped once around the drum, and fastened with wire rope clips. The rope should always be of sufficient length to provide three wraps around the hoisting drum.

Hoisting Signal System

A bell cord hoisting signal system was used. The signal code was posted at the hoist, but not at the 400 level station. The signal code followed the State of Idaho recommendations.

Modification in Signaling System

An electrical hoisting signal system with audible warnings should be installed, and the bell cord system also maintained in good working order. Signal codes should be posted at all stations.

Hoisting Bucket and Skip

A hoisting bucket of about 1/2-ton capacity was in use for hoisting men and materials at the time of the inspection. The unsafe practice of riding in the bucket with one leg suspended over the side was followed. The bucket rode in wooden guides fastened to the shaft sills. There was no crosshead or safety catches.

Men are hoisted at a speed of about 200 feet a minute. The signal bell cord can be operated from the hoisting bucket.

Principal hazards in hoisting men would be of men falling off the bucket or skip, or the bucket or skip hanging up or jumping the guides or track.

It is proposed to lay track in the shaft and change to skip hoisting. The skip to be used was inspected on the surface. It was of welded mild steel plate construction, with a capacity of 21 cubic feet, weight empty of 1,240 pounds, and required a 36-inch track gage. The skip was designed for use in the Whitedelf inclined shaft, and fabricated by the Coeur d'Alene Hardware and Foundry Company, Wallace, Idaho. No provision for safety catches has been made.

Recommended Alterations in Skip

The bonnet of steel plate welded on the skip bail to protect men riding in the skip should be hinged to enable use of the skip for handling pipe, rail, or other supplies which extend above the bonnet when placed in the skip.

A satisfactory guide system should be engineered for the skip, because of the steepness and irregularity of the shaft. At present, a bumper plate is welded on a frame mounted on the back of the skip so as to bear against a wooden guide to be fastened to the hanging wall of the shaft. It is doubtful if this would work safely. A guide system, which it is believed would be suitable, is in use at the Graveley mine of the Montana Phosphate Products Company, Garrison, Montana. In a similar winze at this mine, track has been laid on the hanging wall and wheels mounted on the back of the skip run in this track keeping the skip in position.

ELECTRICITY UNDERGROUND

A 440-volt, 60-cycle, 3-phase alternating current armored power cable, in good condition, entered the North ore body (Whitedelf) adit to furnish power for the hoist at the incline shaft (winze) station. This power cable hung from timbers. It was not supported by insulators nor was the armored covering grounded. An old armored power cable was hung from timbers, however, it was not in use and was disconnected at the mine portal.

The Whitedelf adit level was lighted by 110-volt incandescent electric light bulbs installed at regular intervals. The light circuit wires were bare in places and came in contact with timbers where insulators were missing. The light wires also came in contact with the armored cable at a few locations thus presenting a shock hazard.

The casings of the switch boxes at the incline shaft (winze) hoist and the frame of the hoist motor were grounded.

A 440-volt armored cable in good condition entered the South ore body adit to supply power for the Pomona pump on the 400-foot level. This power cable was hung from timbers along the adit level, however, it had been knocked down by caving ground and was buried under large piles of rock at several locations. Pools of water from several inches to a foot or more in depth were encountered on each side of the rock falls which would hasten the deterioration of the relatively new power cable buried under the falls of rock. This power cable was not supported by insulators nor was the armored covering grounded. The armored cable followed down the connecting raise to the 400-foot level and thence along the 400-foot level drift to the pump station. It was not considered safe to attempt to go down the ladder in the raise with a 68-degree dip because of its condition and also the fact that no sollars were provided in the raise. An inspection in this raise was made for a distance of about 50 feet above the 400-foot level where a loose bulkhead was encountered.

No telephone lines or alarm gongs were provided underground.

The batteries had been removed from an electric storage-battery-operated locomotive, standing near the 400-foot level pump station.

A battery-charging station was not observed underground.

The compressed-air motor for the mucking machine on the 400-foot level had also been removed.

PUMPS

One Pomona pump, direct driven by a 40-horsepower, 440-volt alternating current motor is used to pump water from the 400-foot level incline shaft (winze) sump to the North ore body (Whitedelf) adit level. The pump capacity is 200 gallons of water a minute against a 480-foot head. The mine water inflow on this level is approximately 150 gallons a minute. A centrifugal standby pump, direct driven by a 40-horsepower, 440-volt alternating current motor and with a rated capacity of 220 gallons a minute against a 480-foot head is kept ready for emergency use at the 400-foot level station.

The 83-foot deep sump appeared ample under the water inflow conditions noted. However, if the proposed incline shaft (winze) is extended down an additional 400 feet, another main gathering sump with increased pumping capacity will become necessary.

The drainage ditch along the Whitedelf adit drains off some water from the stoped out areas above, however, if the ditch was cleaned out and enlarged, increased drainage could be obtained. A slight settlement of the Whitedelf adit floor was noted approximately halfway between the portal and the incline shaft (winze) station. There is a possibility that the stoped-out ground below has caved further and weakened the underlying supporting floor pillar to such an extent that it would be dangerous for heavy traffic because of the weight and vibrations set up. Test drill holes along the floor in this area would determine if the adit floor was safe. If it was found unsafe, then it would be necessary to drift out

in the wall rock around the weak area. This weakened area could then be grouted tightly to prevent water from above percolating down to the 400-foot level. To reduce the amount of water handled by the pumps during the proposed exploration program, consideration should be given to diverting the drainage water around the collar of the main raise on the South ore body adit instead of allowing it to run down the raise as at present.

Examination of the surface above the stoped-out areas after the snow has melted may indicate the possibility of using a bulldozer to build trenches to intercept surface waters and divert the water away from surface cracks formed by the stoped-out ground below.

The pump station on the 400-foot level is timbered heavily. While the station is not fireproof, the timbers are kept wet from natural drainage. No fire extinguisher is provided. Reportedly, the pumps are checked regularly each day by the mine superintendent. No full-time pump man is on duty nor is a signaling device provided to indicate when the pump motor has stopped.

A closed container for oily waste was not provided, however, no oily waste was observed in the pump station.

DRIFTS

The accessible main drifts ranged from 4 to 5 feet in width and 6 to 7 feet in height.

Considerable timbering has been required in sections of the mine, particularly on the 400-foot level. The ground is not heavy, but tends to slough. Drifts through stoped-out ground were heavily timbered with standard drift sets and lagging.

The levels were wet with grades of 1/2 to 1 percent in favor of the loaded cars.

Timber decay was prevalent throughout all working levels. A very considerable amount of repair work will be necessary to place the main access drifts, raise, and incline shaft in safe condition.

With the exception of the Whitedelf adit, illumination of haulage drifts was not provided.

Haulage consists of hand tramming at present. A storage-battery electric locomotive on the 400-foot level was not in use.

A track gage of 18 inches with 14- to 16-pound rails was used.

Side-end dump mild steel plate cars of small capacity were used. Only one car was trammed at a time.

Shelter holes were not provided.

Condition of track and roadbed was generally poor. Drainage ditches were in poor condition.

Material piles along side of track and spillage between tracks were negligible.

Levels were not being driven into advance territory.

CHUTES

Timbered, stop-board-type chutes installed along the footwall side of the drift had been used in the past.

RAISES AND ESCAPEWAY

Ladders in the manway and pipeway compartment of the Whitedelf incline shaft (winze) and the main connecting raise from the 400-foot level to the South ore body adit were in an unsafe condition from wood decay. Ladders were not staggered nor were sollars provided in either opening. The ventilation pipe was in the center of the ladder of the main raise for a distance of 50 feet above the 400-foot level. The collars of both openings, and the shaft landing at the 400-foot level station were unguarded.

The open stope beneath the mine rails and close to the collar of the main access raise on the South adit was not "dangered off" or covered. Several large falls with pools of water between were noted along the South adit. It should be noted that a safe escapeway from the 400-foot level to the outside of the mine via the raise and South ore body adit is not provided at present.

STOPES

No stoping was in progress at present and the old stopes were inaccessible. Reportedly, variable systems of stoping were employed in the past to fit local conditions encountered.

BLASTING AND HANDLING EXPLOSIVES

No blasting operations were being conducted at the time of the inspection.

The only explosives observed were five cases of deteriorated explosives in an unused adit opening approximately 300 feet from the portal of the North ore body (Whitedelf) adit. The explosives were 60% Gelatin dynamite, 1-1/8" X 8". A few deteriorated cartridges were also on the drift floor. The wooden door, 2 inches in thickness, was standing open. No locks were provided. The drift was reasonably dry, however, small piles of rock were along the floor.

VENTILATION AND HEALTH CONDITIONS

The mine was ventilated by natural means. On the date of the inspection approximately 2,000 cubic feet of air a minute entered the mine at the South ore body adit and flowed down the raise to the 400-foot level

and along this level and up to the incline shaft winze to the North ore body (Whitedelf) adit level where the air joined the incoming air from the outside on this level. The ventilating current ascended through small openings in caved stopes above the level to the outside. The incoming ventilating current on the Whitedelf adit could not be measured with an anemometer. When large falls along the South ore body adit and the bulkhead in the connecting raise to the 400-foot level are removed, natural ventilation along the present main mine openings will be materially increased. Blower fans with 6-inch metal tubing for ventilating stopes, raises, and "dead ends" during development have been employed in the past.

The temperature at the hoist station Whitedelf adit level was 37° wet and 38° dry bulb at 12 o'clock Noon, February 14, 1952. Shallow mine workings afford almost ideal conditions so far as humidity and temperature health factors are concerned.

The distance measured vertically between the North and South ore body adit levels is approximately 100 feet. This difference in elevation between adit levels plus the difference of approximately 250 feet between the North ore body (Whitedelf) adit level and the surface above, causes natural ventilation through the main mine openings.

No harmful or flammable gases were encountered in the accessible mine openings.

The exploration program below the 400-foot level calls for an electric-motor-driven fan with 8-inch metal tubing for ventilating the shaft and drift development.

FIRST AID AND MINE RESCUE

Injured employees are brought to the hospital at Clark Fork, Idaho, two miles distant, or Spokane, Washington.

First-aid supplies were not observed underground or on the surface. No mine rescue equipment was kept at the mine or available nearby.

No checking-in-and-out system was in effect.

Men were equipped with protective hats and some of the workmen wore protective footwear.

RECOMMENDATIONS

The following safety recommendations are offered by the writers for the safe operation of this mine.

GENERAL INFORMATION

1. As a precaution against an inundation, a drill hole should be kept 20 feet ahead of any heading in which the inflow of water appears to be increasing.

2. When approaching old workings in which water has been allowed to accumulate, a long drill hole should be drilled ahead of the advancing face in order to drain off the accumulated water without danger.

SURFACE EQUIPMENT AND BUILDINGS

Repair Shops

1. All moving parts of machinery, which include the grinding wheels, wedge saw and drive belt, should be guarded adequately.

Fire Protection - Surface

1. Fire doors should be erected at effective points in the North and South ore body adits to prevent smoke or fire from outside sources endangering men working underground.

2. Barrels of large empty oil drums filled with water (kept saline to prevent freezing) and equipped with buckets should be placed at strategic locations near the buildings.

3. Portable fire-extinguishing equipment suitable for fighting electrical fires should be provided.

Miscellaneous

1. The open ore bin at the South ore body adit portal should be guarded to prevent persons from falling into it.

UNDERGROUND

Fire Protection - Underground

1. Clean dry sand, rock dust, or fire extinguishers, suitable from a toxic and shock standpoint should be provided and placed at the hoist and pump stations.

2. Smoking should not be permitted in or around the hoist station or in the shaft or raise.

3. The small electric heater in the hoist station should be suspended to prevent it from being tipped over and kept at least 2 feet from flammable materials.

4. A stench warning system should be installed.

UNDERGROUND SHAFT AND EXPLORATION PROGRAM

Hoist

1. The wire rope should be inspected daily by a competent person, and a careful inspection made weekly. Records should be kept in a logbook of the inspections.

2. The hoist and sheave wheel should be inspected daily, and a trial run with an empty skip made each day before lowering men.

3. Routine cleaning and lubrication of the hoist and hoisting rope should be established, and recorded in the hoist logbook.

4. A logbook of all activity connected with hoisting should be kept. Any defects in the equipment should be noted in this book. Any incident which may have resulted in damage to the hoist, hoisting rope, or sheave should be noted in the logbook, and the equipment should be examined by a competent person before hoisting is resumed.

5. A rope should be replaced if there is evidence of undue weakness or other conditions that indicate that the rope may fail.

Hoisting Practices

1. Men should not be allowed to ride on a loaded skip, and should not be permitted to ride the bail of the skip. The hoisting engineer should raise and lower men at a reduced speed.

2. Men should ride with both legs enclosed in the hoisting conveyance regardless of whether it is a skip or a bucket.

3. Supplies handled in the skip which extend beyond the bail should be tied to the bail and/or the rope.

4. The skip load should not be allowed to exceed 1 ton. If heavy sulfide ore is encountered, the skip should be only partly filled.

5. At no time should the skip be filled to the top. Sufficient space should be left at the top to insure that no spillage occurs while the skip is in motion.

6. When a new rope is installed, or the ends of the rope have been cut and refastened, several trips with load should be made before men are hoisted or lowered.

7. Both ends of the rope should be cut back and refastened at about two-month intervals. The drum end should be cut off about 1-1/4 times the circumference of the drum to alter the position of wearing points. The skip end should be cut back at least 5 feet. The cut ends of the rope should be carefully examined for internal corrosion.

ELECTRICITY - UNDERGROUND

1. The electric light wires in the Whitedelf adit should be replaced with new insulated wiring and installed on insulators throughout. The light wires should not come in contact with the armored cable.

2. The armored covering of the power cable should be grounded.

3. The armored power cable buried under rock falls in the south ore body adit should be uncovered and suspended properly from timbers.

DRIFTS

1. The Whitedelf adit drift floor, approximately halfway between the portal and the hoisting station where floor settlement was observed, should be drilled with test holes to determine if the underlying supporting pillar is adequate.

2. Drift timbering should be maintained in good condition throughout the mine.

RAISES AND ESCAPEWAYS

1. Ladders in the Whitedelf incline shaft and the main raise connecting the 400-foot level with the two adits should be replaced, properly staggered, and sollars provided at 20-foot intervals.

2. Escapeway drift openings should be kept open, timbered adequately, and kept drained to present easy traveling.

3. Ventilation or other pipes should not be installed on ladderways.

4. The collars of the raise and incline shaft (winze) and the shaft landing at 400-foot level station should be guarded adequately.

5. The open stope beneath the mine rails and near the main access raise should be "dangered off" or substantially covered.

6. Escapeway directional signs should be posted along the 400-foot level, raise, and South ore body adit.

BLASTING AND HANDLING EXPLOSIVES

1. The deteriorated explosives in the unused adit opening should be removed and destroyed by burning under the supervision of a representative of an explosives manufacturer.

2. Explosives- and detonator-storage magazines should be installed in accordance with recommendations by the Bureau of Mines.

VENTILATION AND HEALTH CONDITIONS

1. Main ventilation openings in the mine should be unobstructed by falls and bulkheads and properly maintained.

2. Adequate ventilation should be provided in all working places.

FIRST AID AND MINE RESCUE

1. First-aid supplies, including blankets, long splints, and a stretcher should be maintained at the mine for emergency use.

2. A checking-in-and-out system should be established.

3. Protective footwear should be worn by all workmen.

4. Men should be trained in Bureau of Mines first-aid methods.

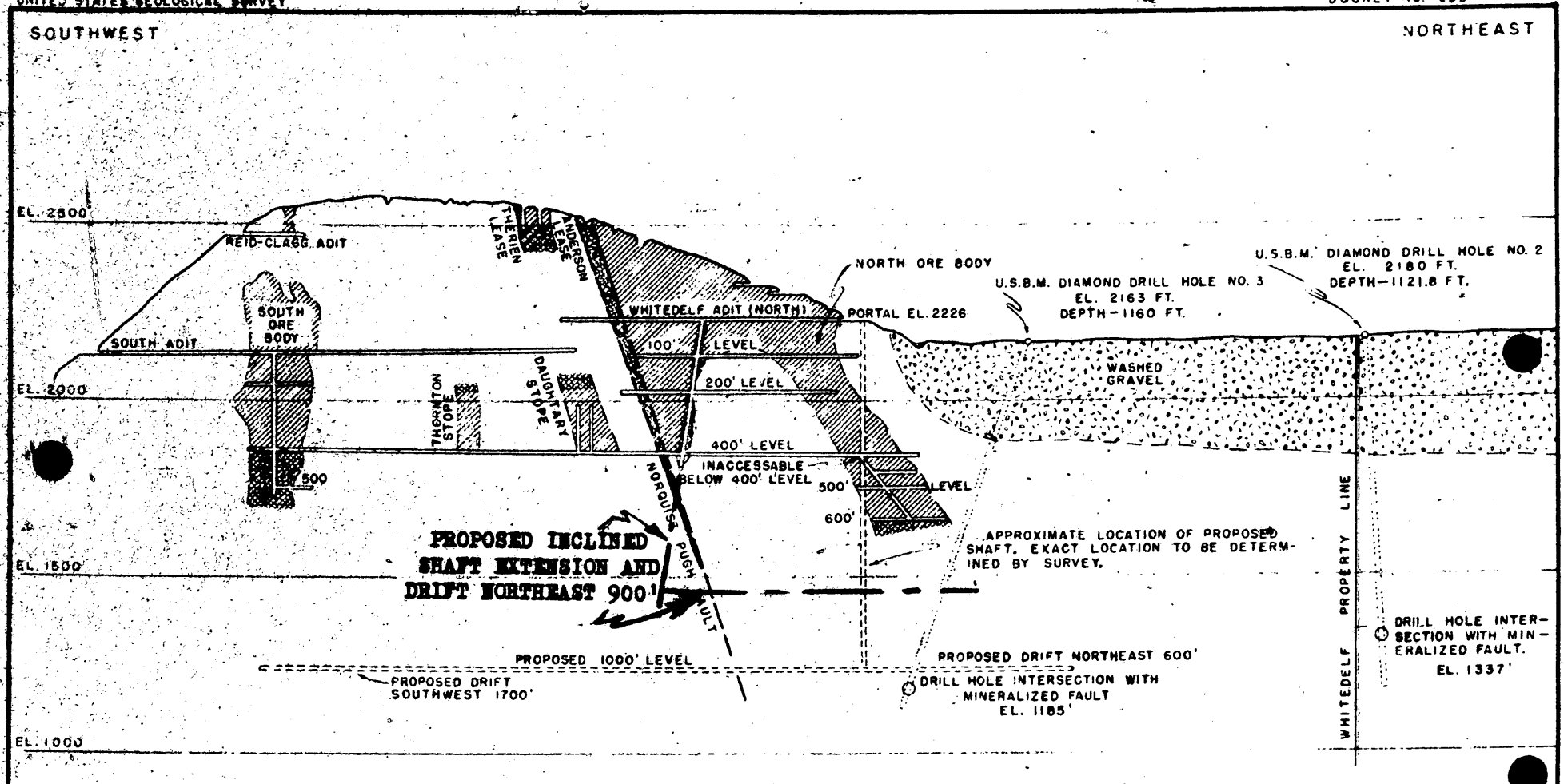
ACKNOWLEDGMENT

The writers desire to express their appreciation for the cooperation and help extended while making a safety inspection of the Whitedelf mine. Mr. Compton I. White, Jr., mine superintendent, and Messrs. M. E. Volin, chief, and E. A. Magill, mining engineer, Mining Division, U. S. Bureau of Mines, Region II, were very helpful.

Respectfully submitted,

L. H. McGuire
Mining Engineer

P. F. Yopes
Mining Engineer



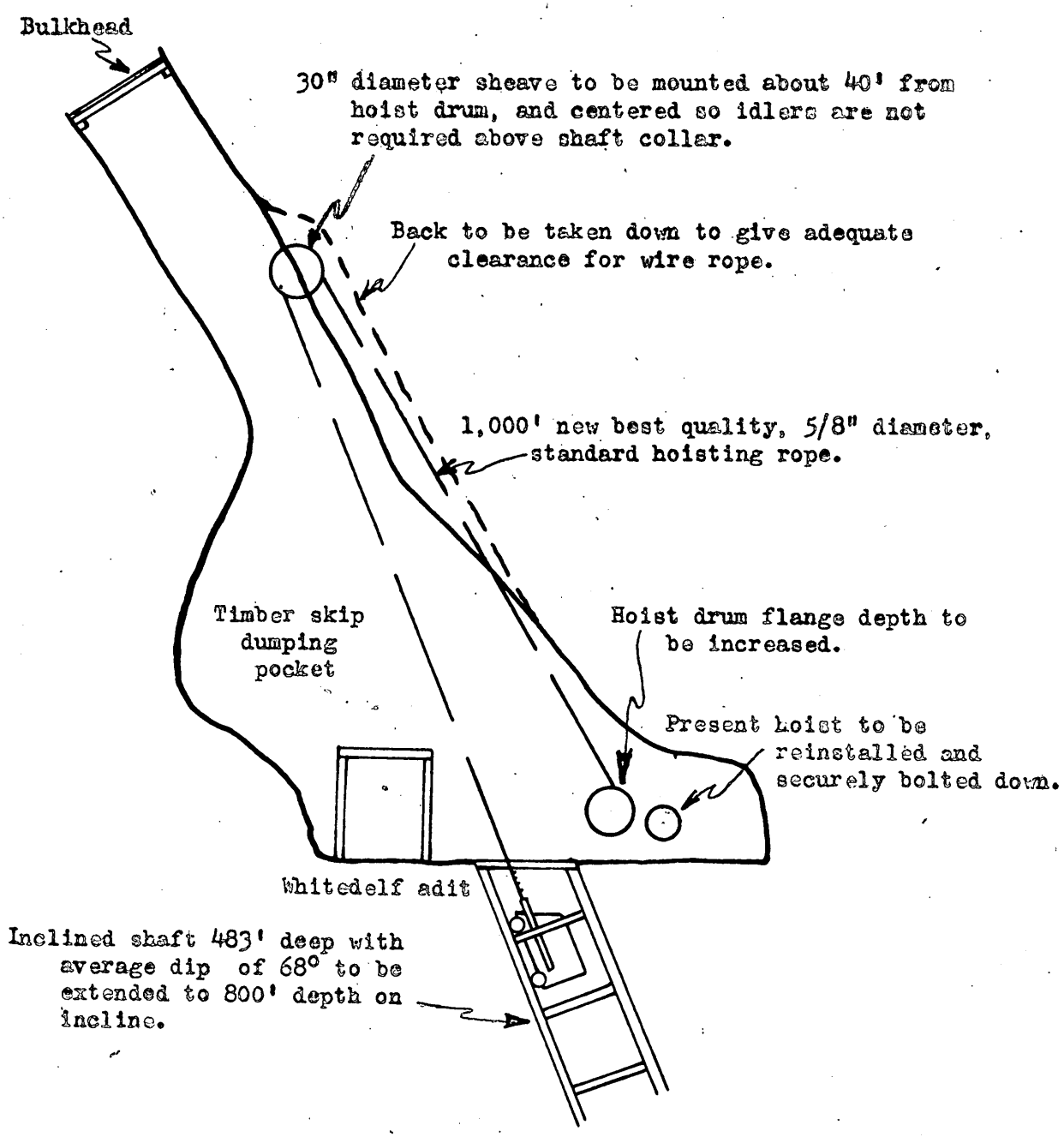
PROPOSED EXPLORATION PROGRAM - WHITEDELF MINE

CLARKSFORK, IDAHO

SCALE

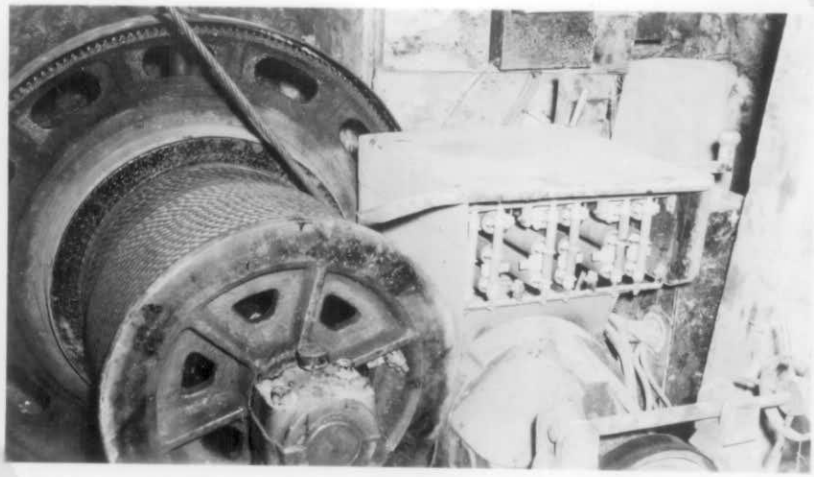
200 100 0 200 400 600 800

AFTER WHITEDELF MINING AND DEVELOPING COMPANY



PROPOSED HOIST INSTALLATION
AT WHITEDELF MINE
Bonner County Idaho
EAM & PFY Feb. 1952
Scale 1" = 10'

Whitedelf Mine, Whitedelf Mining and Development Company
Clark Fork, Idaho



General arrangement of hoist drum, motor,
and brakes.

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. 100
Idm-E

Name of Operator WHITEBELLY MINING & DEVELOPMENT CO.
Docket No. DMA 286X
Total Contract Amount $ 120,250.00
Government Participation: 50 % Amount, $ 60,125.00
Distribution of Expenditures for Month of January 1952

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 may be made from time to time.

APR 2 1952

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.

WHITEBELLY MINING & DEVELOPMENT CO.
(Name of Company)

By Compton Noble Jr
(Signature of Authorized Official)

March 26, 1952
(Date)

President
(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—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]						
Coffing Ratchet Hoist	87.55		87.55			
(b) Rented[2]						
None in January						
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

COMPTON I. WHITE
SECRETARY-TREASURER
CLARKS FORK, IDAHO

W. W. VON CANON
PRESIDENT
SANDPOINT, IDAHO

COMPTON I. WHITE, JR.
VICE-PRESIDENT
CLARKS FORK, IDAHO

WHITEDELF MINING AND DEVELOPMENT CO.

MINE OFFICE
CLARKS FORK, IDAHO

FISCAL OFFICE
401 ~~416~~ EMPIRE STATE BLDG.
SPOKANE ~~8~~ 7, WASHINGTON

EASTERN OFFICE
608 NORTH CAROLINA AVE. S. E.
WASHINGTON, D. C.

April 11, 1952.

Defense Minerals Administration,
Bureau of Mines
1207 North Division St.,
Spokane, Washington.

Contract Idm-E-189
Docket No. 255 X

Attention Mr. Glenn C. Reed

Gentlemen:

Reference to DMA letter of March 27, 1952. From the

Subject letter, the second paragraph as follows is quoted: "Operations were to begin within 30 days of date of contract, which was not done. This should be explained."

Although the contract is dated the 19th day of October, 1951, the contract was not delivered nor finally approved until a subordinantion agreement was signed on the 14th day of November, 1951, at which time the undersigned signed the subordination agreement with the secretary-treasurer of the company in the office of Thor Killsgaarde in the U. S. Geological Survey office in Spokane.

Immediately after signing this subordination agreement, a contract was let to build the road to remove the timber required for the project. This work was started on the 15th day of December, 1951, and at the same time preparatory work on the 400 foot level, such as removing machinery and putting the level in proper condition for the discontinuance of mining was started.

We are submitting revised reports for the months of January and February and trust these will meet your requirements.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.

Compton I. White, Jr., President

CIW-cf

401 --

1

February 20, 1952.

Defense Minerals Administration,
Bureau of Mines,
1207 North Division St.,
Spokane 2, Washington

Subject: Timber Procurement for Whitedelf Mining & Development Co.

Contract Idm-E-189
Docket #255 X

Gentlemen:

To further clarify the timber procurement for the Whitedelf Mining and Development Co, the following information is submitted;

It is the plan of the Company to supply timber from its property at no cost for stumpage to the Government, logged and sawed by the thousand, to be delivered at the mine to be used as necessary.

In order to make this timber available, it was necessary to supply access roads throughout the timber stand suitable for the removal of same. This work has been done and the paid bill has been submitted with our report for January, 1952.

The present estimated cost of this timber at the mine will be approximately $40.00 per thousand, compared with $65.00 per thousand from the mill.

Trusting this gives you the information you desire, we are

Very truly yours,

WHITEDELF MINING AND DEVELOPMENT CO.

President

COPY

February 20, 1953.

Defense Minerals Administration,
Bureau of Mines,
1207 North Division St.,
Spokane 2, Washington.

Gentlemen:

Since the approval of Defense Minerals Administration contract No. 255 X, we have let a contract for the retimbering of our main mine station at the Whitedelf Mine. On the 15th day of February, 1953, this work was sixty percent complete.

We have also completed the relocation of equipment in preparation to deepen the present main winze.

In addition to this we have opened a suitable stand of timber and have made arrangements to have this same timber logged and sawed at an appreciable saving from the current mill price of mine timber.

We have also started a revised installation of our pumping facilities made necessary by the shaft sinking program.

Yours very truly,

WHITEDELF MINING AND DEVELOPMENT CO.

President

COPY

WHITEDELF MINING AND DEVELOPMENT CO.
PAYROLL - JANUARY, 1952
Contract No. Idm. 189 Docket No. DMA 255 X

SUPERVISION

C. I. White, Jr. (Superintendent) 200.00

PAYROLL

December, 1951	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Hours	Rate	
M. F. Thompson-Miner													2½	8	8			
Glen R. Craig -Miner													7	8	8			
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
M. F. Thompson-Miner	7	8	4			8	8					8	7			8	76½	1.50	114.75
Glen F. Craig -Miner	7	8	4														42	1.50	63.00
January	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			
Guy J. Rose-Surface			8	8	8		8	8	8	8	8	8		8	8			
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
Guy J. Rose-Surface	8	8	8	8		2	7	6	6	8			8	8	8	8	165	1.25	206.00
																	16	1.87½	30.00
Paul M. Thornton-Miner											5		7			7	19	1.25	23.75
																			$637.75

Name	Social Security	Withholding Tax	Unemployment Compensation	Workmen's Compensation
C. I. White, Jr.	$3.00		$ 5.40	$11.00
M. F. Thompson	1.82		3.09	6.31
Glen R. Craig	.85	$ 2.20	1.71	3.46
Guy J. Rose	3.54	25.40	6.38	12.99
Paul Thornton	.35	.45	.64	1.31
	9.56	28.05	17.22	35.07

WHITEDELF MINING & DEVELOPMENT CO.

CONTRACT NO. Idm-E 189

Docket No. 255 X

Distribution of Expenditures for Month of January, 1952

2.	Operating Equipment			
	1 Coffing Ratchet Hoist (Spokane Metals Co. 12/17/51)			85.00
	Sales Tax			2.55
				87.55
4.	Labor			437.75
5.	Supervision			200.00
6.	Supplies			
	(a) Timber			
	Road Building, Alfred J. Tucker Inv. 1/8/52		710.00	
	Lumber, H. R. Spaulding Lumber Co. Inv. 1/3/52		189.15	
				899.15
	(c) Repair Parts			
	Truck Repairs, Clark Fork Garage Inv. 1/8		79.54	
	Boiler Shell (Spokane Metals Co. 12/17/51)		10.30	
				89.84
9.	(c) Workmens Compensation		35.07	
	Other Deductions:			
	Social Security	9.56		
	Unemployment Comp.	17.22	26.78	

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	437.75		437.75			
5. Supervision	200.00		200.00			
6. Supplies						
(a) Timber	899.15		899.15			
(b) Explosives						
(c) Repair Parts	79.54		79.54			
(d) Other	10.30		10.30			
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	35.07		35.07			
FSSI & Unemp. Comp.	26.78		26.78			
10. Contract Work						
11. Other (specify)						
Total	1776.14		1776.14			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	1776.14		1776.14			

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Clem A. Magill
Amount approved for payment
Remarks

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF _____

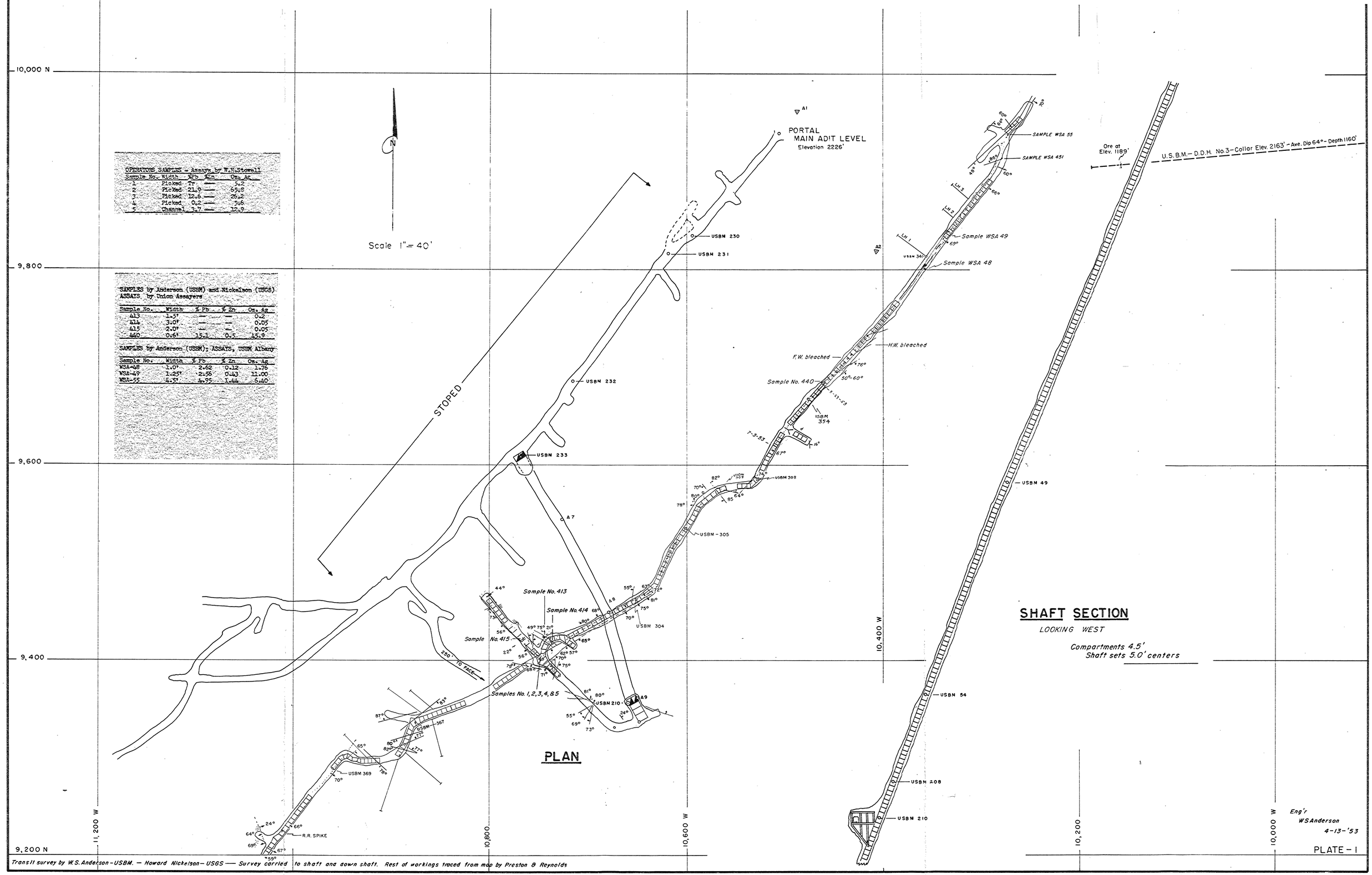
(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	637.75	87.55	988.99	61.85	1776.14					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	637.75	87.55	988.99	61.85	1776.14					

[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.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

DEPARTMENT OF THE INTERIOR



OPERATORS SAMPLES – Assays by W.H. Stowell

Sample No.	Width	%Pb	%Zn	Oz. Ag
1	Picked	Tr.	—	3.2
2	Picked	21.9	—	65.8
3	Picked	12.6	—	26.2
4	Picked	0.2	—	5.6
5	Channel	3.7	—	12.9

SAMPLES by Anderson (USBM) and Nickelson (USGS)
ASSAYS by Union Assayers

Sample No.	Width	% Pb	% Zn	Oz. Ag
413	1.5'	—	—	0.2
414	3.0'	—	—	0.05
415	2.0'	—	—	0.05
440	0.6'	15.1	0.5	45.9

SAMPLES by Anderson (USBM); ASSAYS, USBM Albany

Sample No.	Width	% Pb	% Zn	Oz. Ag
WSA-48	1.0'	2.62	0.12	1.76
WSA-49	1.25'	2.56	0.43	11.00
WSA-55	4.5'	4.95	1.44	6.40

Transit survey by W.S. Anderson – USBM. – Howard Nickelson – USGS — Survey carried to shaft and down shaft. Rest of workings traced from map by Preston & Reynolds

WHITEDELF MINE – BONNER COUNTY, IDAHO —— WHITEDELF MINING AND DEVELOPMENT CO.

Docket No — 255-Pb —— Contract No. Idm. E— 189

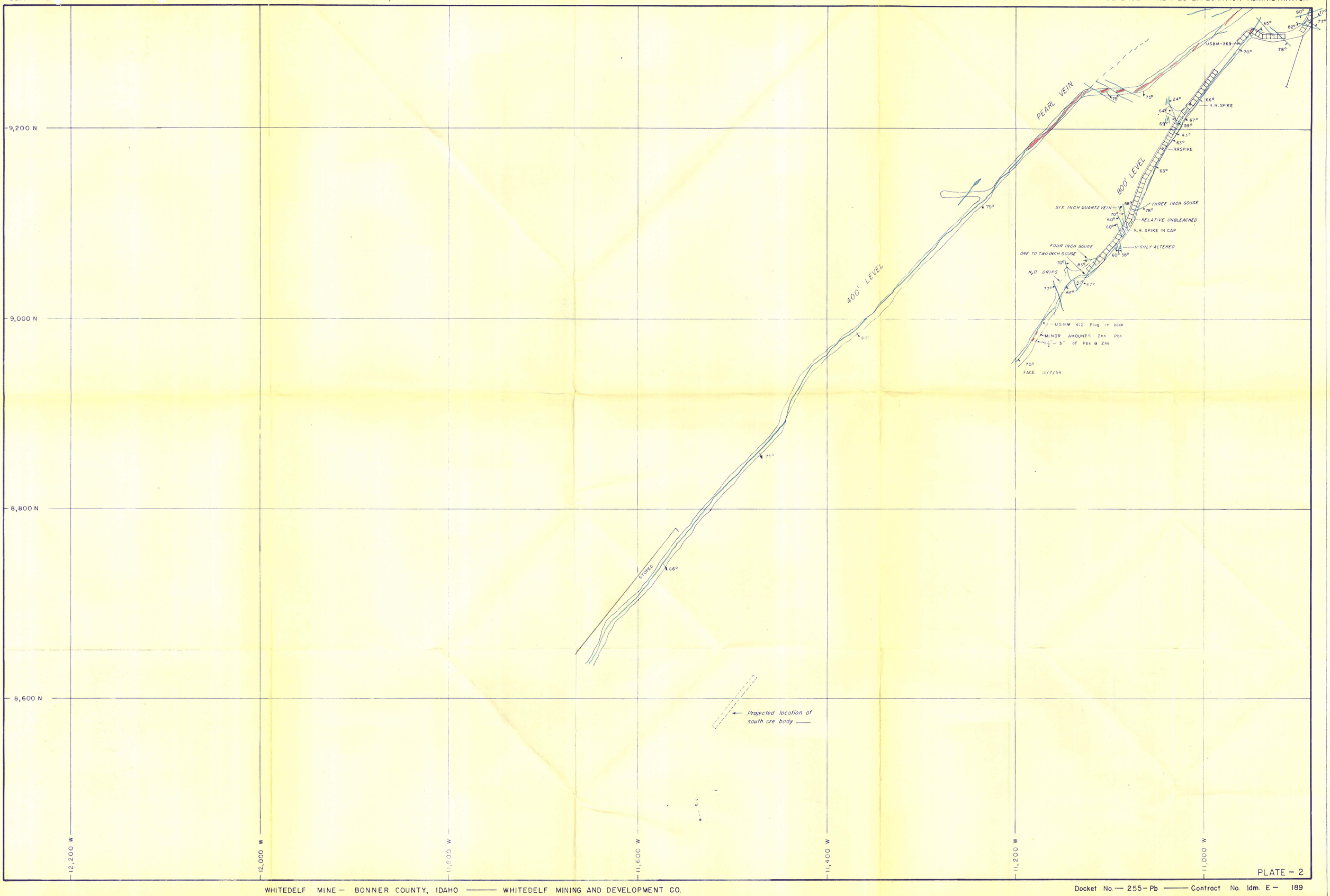
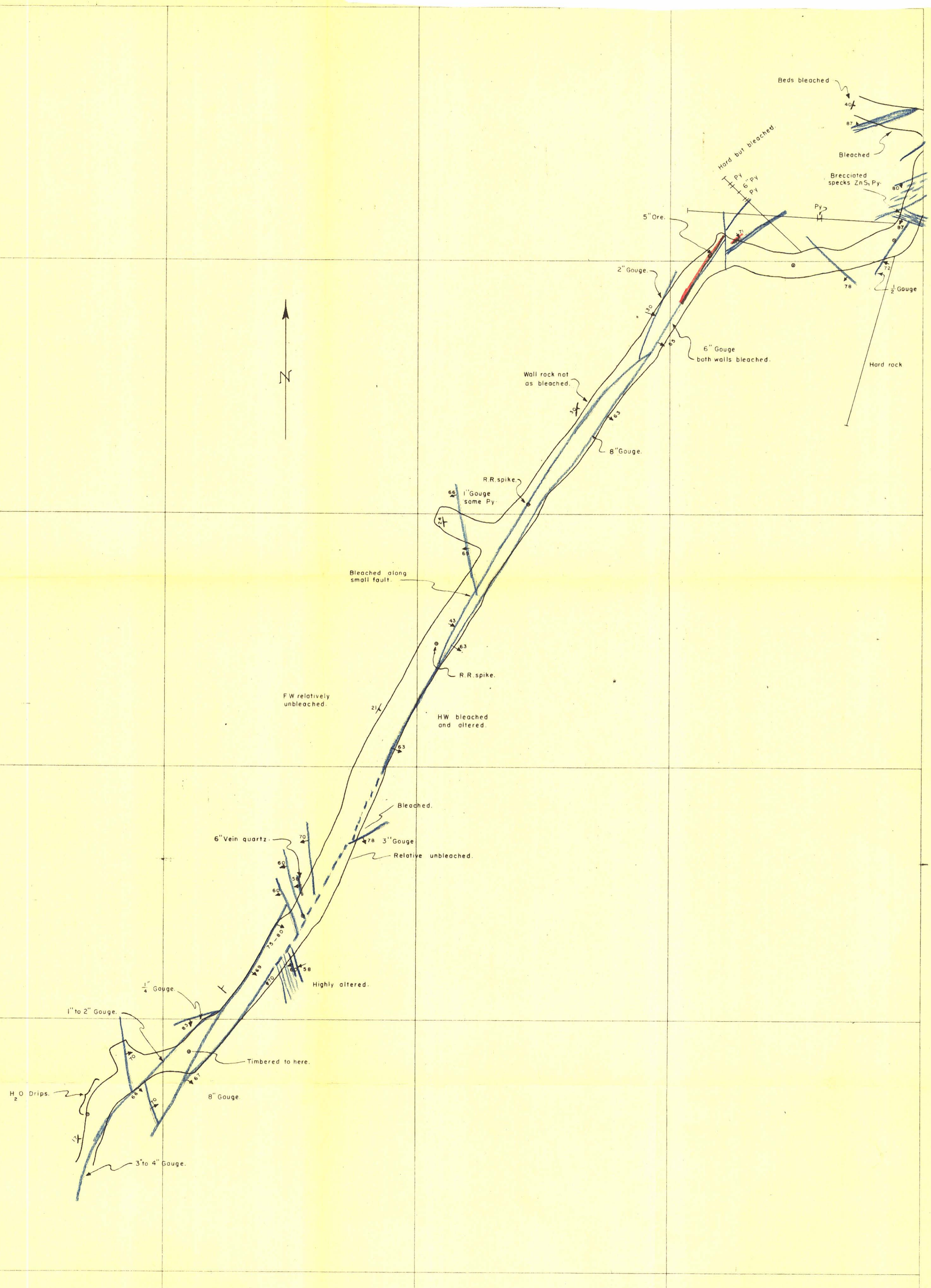
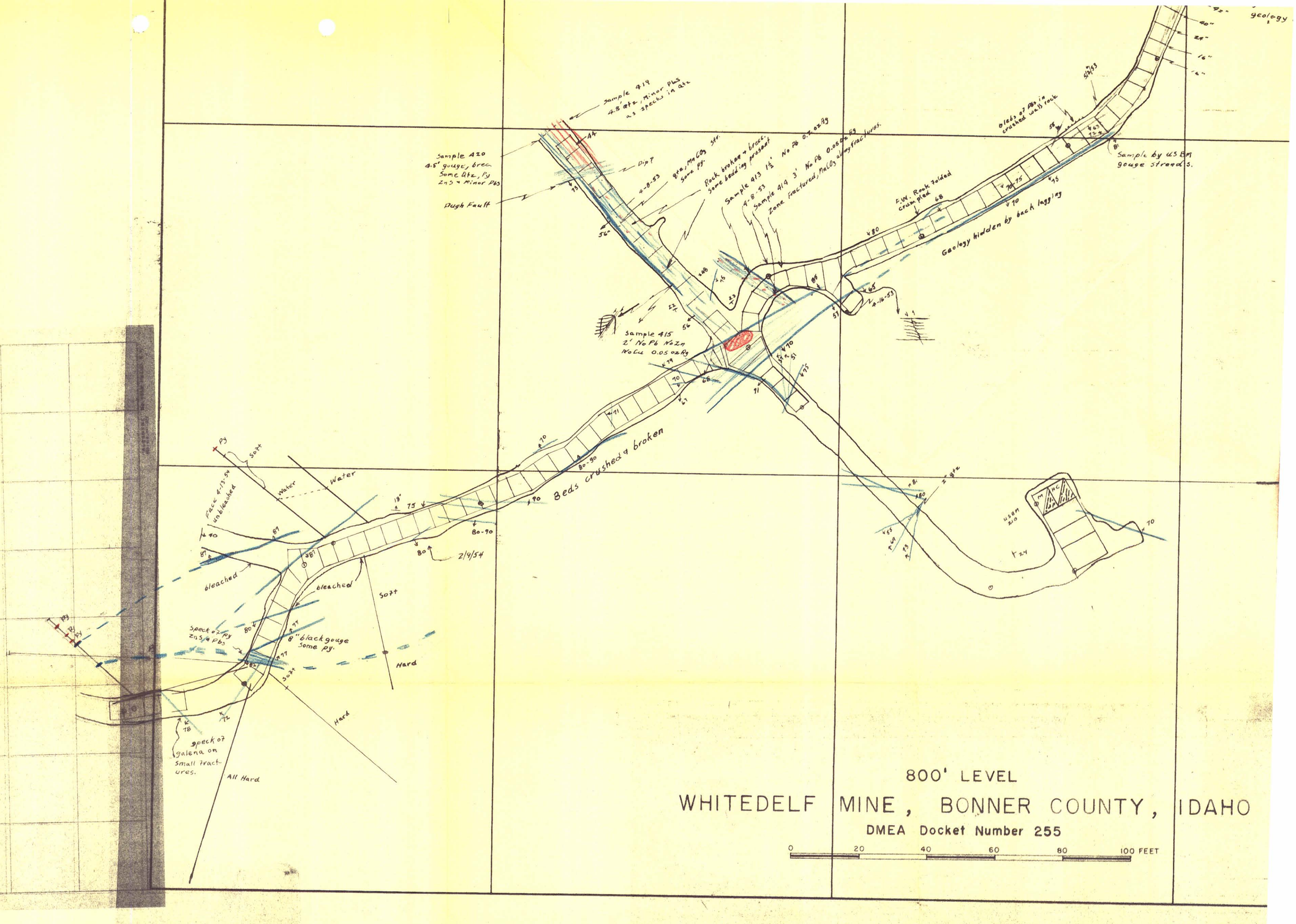

9,200 N
9,000 N
8,800 N
8,600 N
12,200 W
12,000 W
11,800 W
11,600 W
11,400 W
11,200 W
11,000 W
PEARL VEIN
400' LEVEL
800' LEVEL
USBM-369
R.R. SPIKE
RRSPIKE
SIX INCH QUARTZ VEIN
THREE INCH GOUGE
RELATIVE UNBLEACHED
R.R. SPIKE IN CAP
HIGHLY ALTERED
FOUR INCH GOUGE
ONE TO TWO INCH GOUGE
H_2O DRIPS
USBM 412 Plug in back
MINOR AMOUNTS Zns Pbs
1/2" - 3" of Pbs & Zns
FACE 12/7/54
STOPED
Projected location of south ore body

PLATE - 2

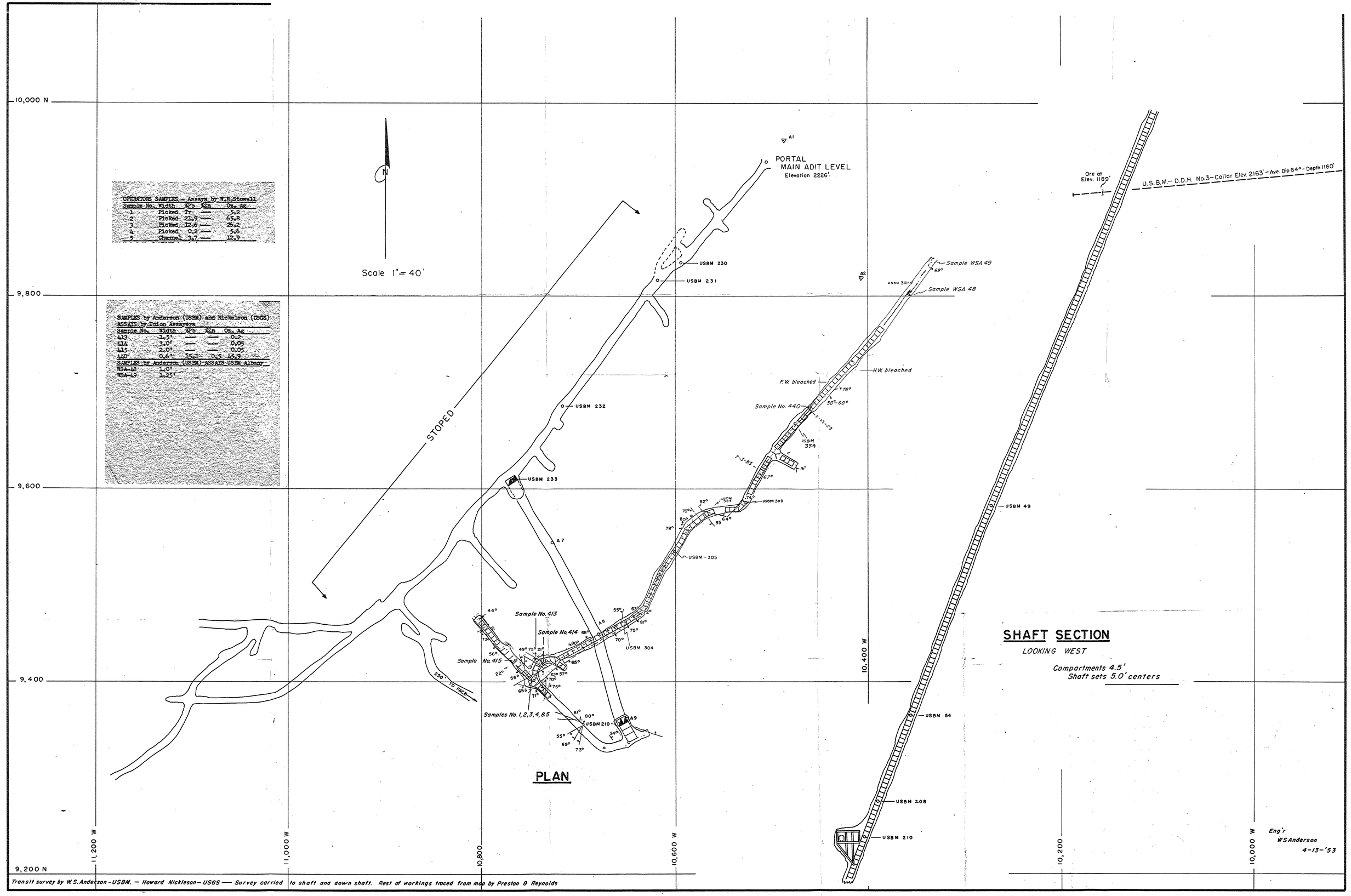


WHITEDELF MINE

Bonner County, Idaho.


geology
Sample 419
4.8' Qtz, Minor Pbs
as specks in Qtz
Sample 420
4.5' gouge, brec
Some Qtz, Py
ZnS + Minor Pbs
Dugh Fault
Dip?
4-8-53
Qtz, MnCO3 str.
Some Py.
Rock broken + brec.
Some bedding present
Sample 413 1½' No Pb 0.7 oz Ag
Sample 414 3' No Pb 0.05 oz Ag
Zone fractured, MnCO3 along fractures.
Sample 415
2' No Pb No Zn
No Cu 0.05 oz Ag
Beds crushed & broken
Face 4-13-54
unbleached
bleached
Water
Water
Soft
Hard
Hard
All Hard
Speck of Py
ZnS + Pbs
8" black gouge
Some Py.
speck of
galena on
small fract-
ures.
2/4/54
Sample by USBM
gouge strand 3.
Geology hidden by back logging
F.W. Rock folded
crumpled
4-16-53
USBM
210
800' LEVEL
WHITEDELF MINE, BONNER COUNTY, IDAHO
DMEA Docket Number 255
0 20 40 60 80 100 FEET

DEPARTMENT OF THE INTERIOR



OPERATORS SAMPLES — Assays by W.H. Stowell

Sample No.	Width	%Pb.	%Zn	Oz. Ag.
1	Picked	Tr.	—	5.2
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3	Picked	12.6	—	26.2
4	Picked	0.2	—	5.6
5	Channel	3.7	—	12.9

SAMPLES by Anderson (USBM) and Nickelson (USGS)
ASSAYS by Union Assayers

Sample No.	Width	%Pb	%Zn	Oz. Ag
413	1.5'	—	—	0.2
414	3.0'	—	—	0.05
415	2.0'	—	—	0.05
440	0.6'	15.1	0.5	45.9

SAMPLES by Anderson (USBM) ASSAYS USBM Albany

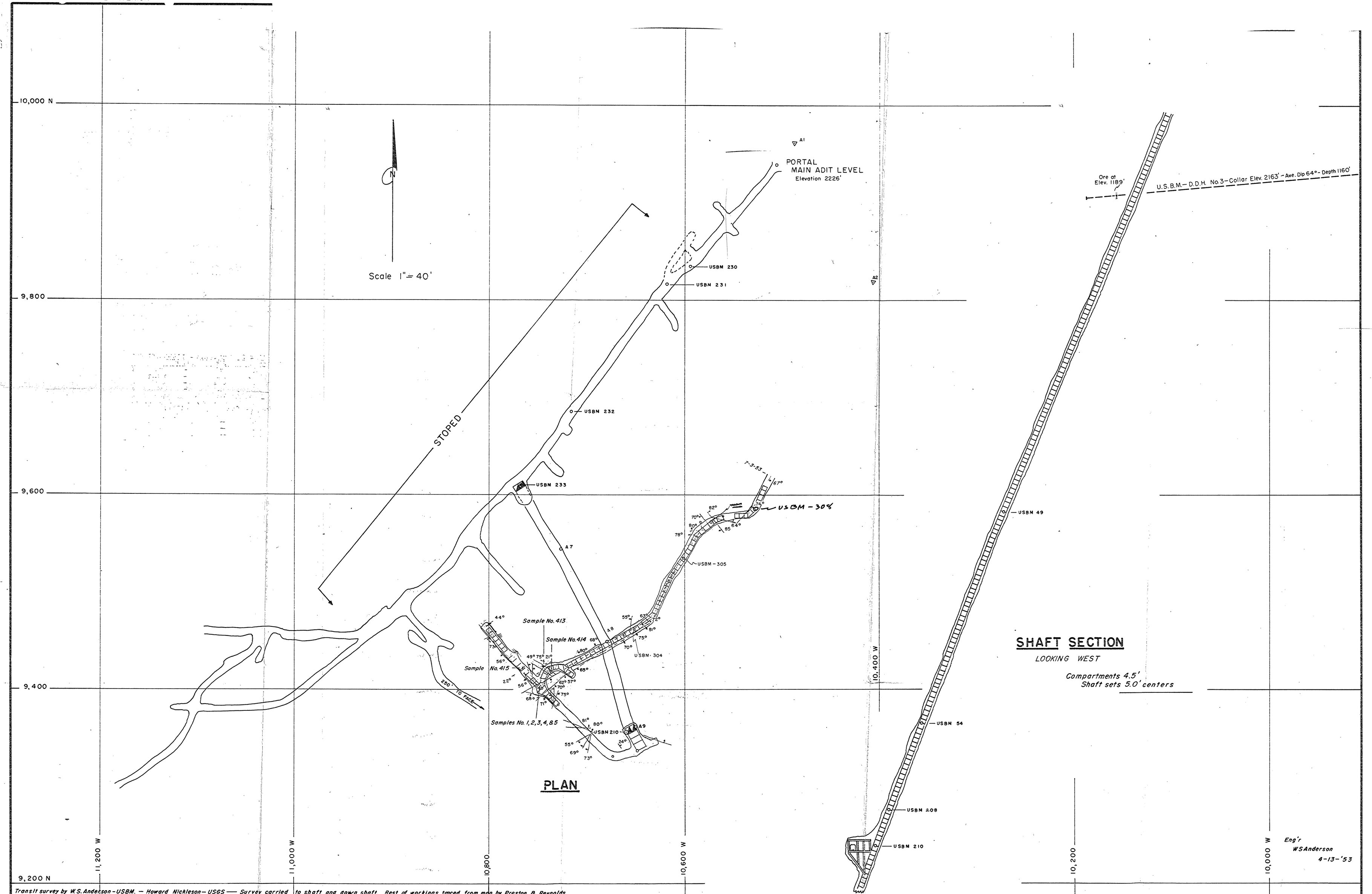
WSA-48	1.0'			
WSA-49	1.25'			

Transit survey by W.S. Anderson - USBM. — Howard Nickleson — USGS — Survey carried to shaft and down shaft. Rest of workings traced from map by Preston B. Reynolds

WHITEDELF MINE - BONNER COUNTY, IDAHO —— WHITEDELF MINING AND DEVELOPMENT CO.

Docket No — 225-Pb —— Contract No. Idm. E— 189

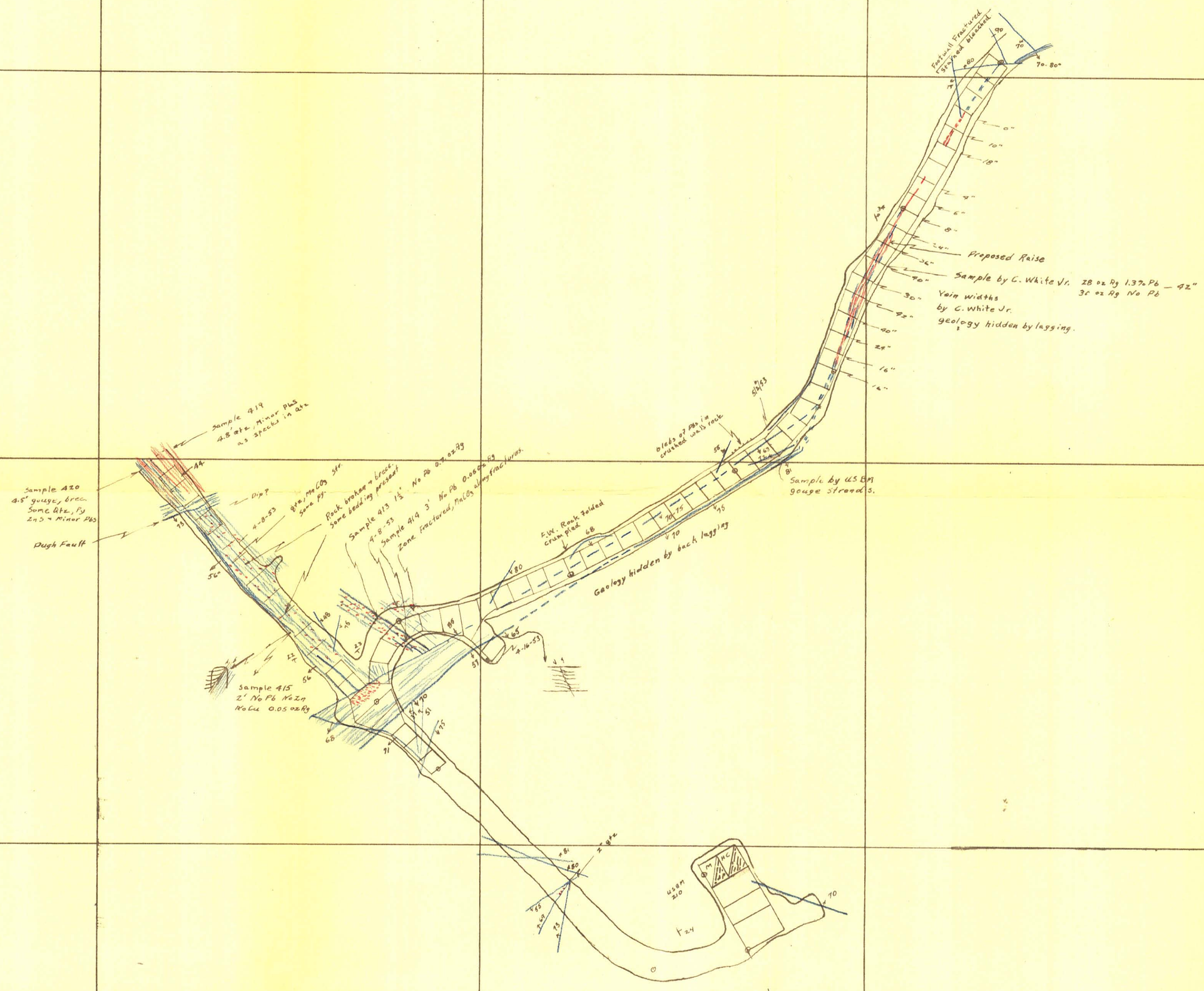
DEPARTMENT OF THE INTERIOR



Transit survey by W.S. Anderson-USBM. — Howard Nickleson-USGS —— Survey carried to shaft and down shaft. Rest of workings traced from map by Preston & Reynolds

WHITEDELF MINE - BONNER COUNTY, IDAHO —— WHITEDELF MINING AND DEVELOPMENT CO.

Docket No — 225-Pb —— Contract No. Idm. E— 189



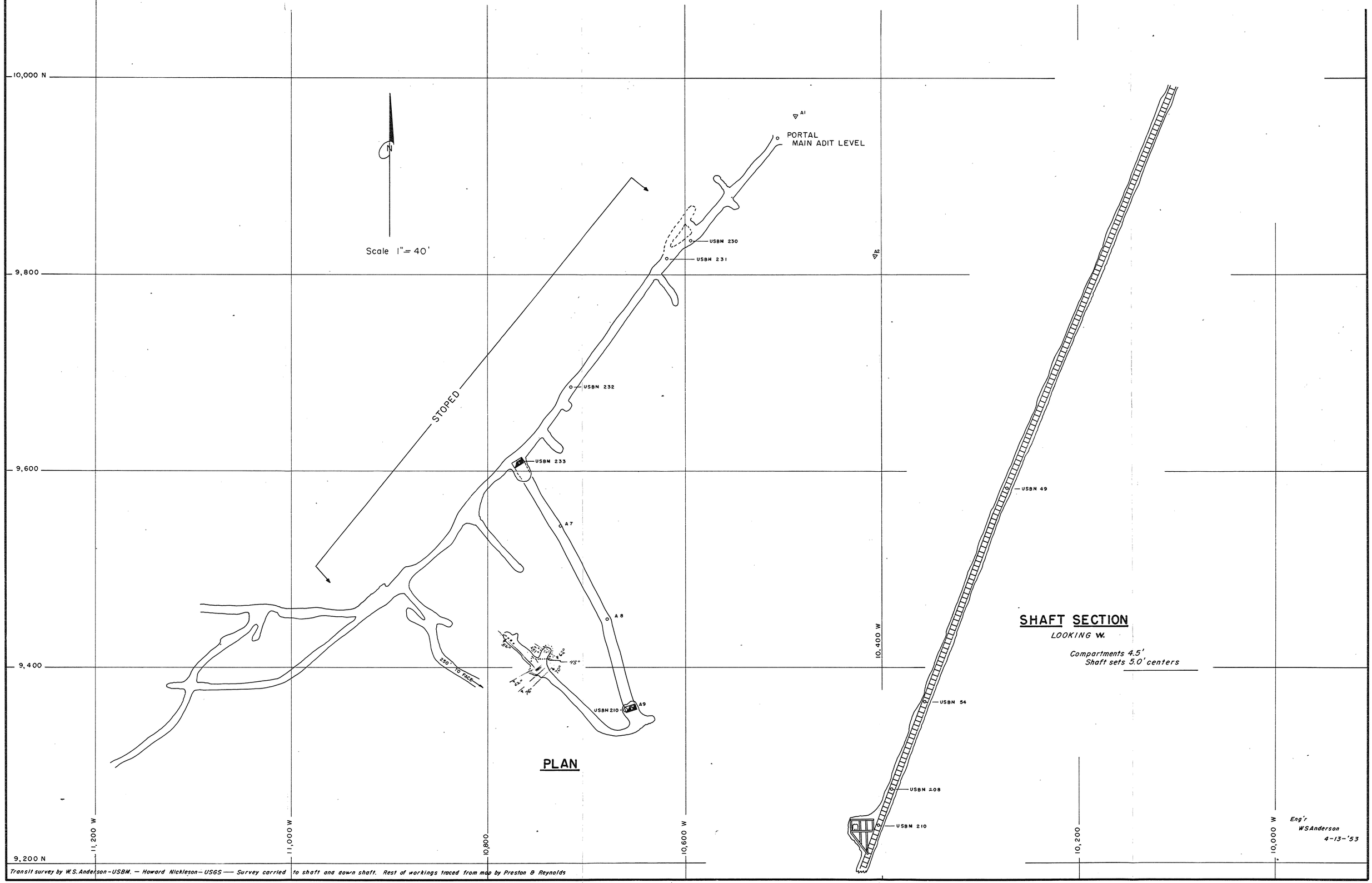
800' LEVEL

WHITEDELF MINE, BONNER COUNTY, IDAHO

DMEA Docket Number 255

0 20 40 60 80 100 FEET

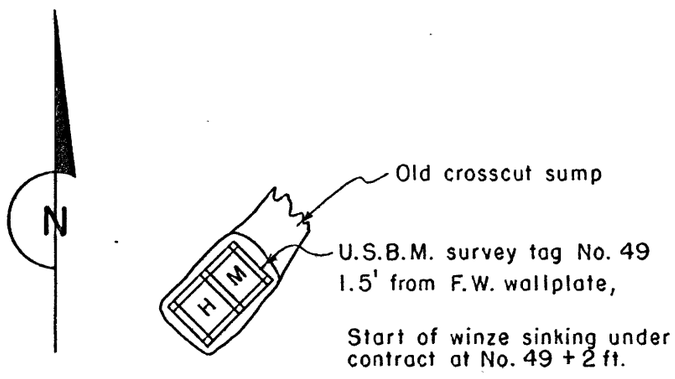
DEPARTMENT OF THE INTERIOR



Transit survey by W.S. Anderson - USBM. — Howard Nickleson - USGS — Survey carried to shaft and down shaft. Rest of workings traced from map by Preston & Reynolds

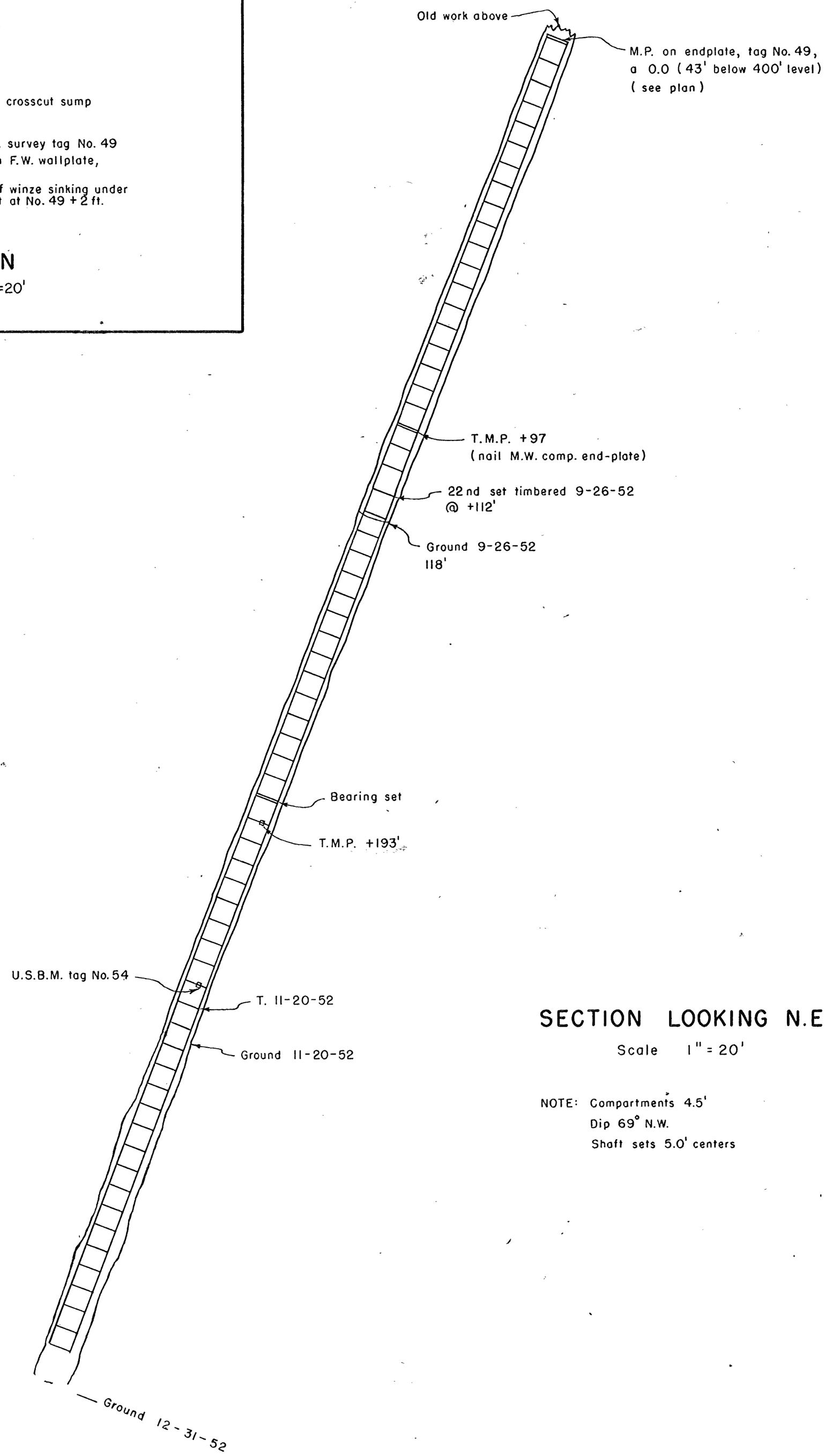
WHITEDELF MINE - BONNER COUNTY, IDAHO —— WHITEDELF MINING AND DEVELOPMENT CO.

Docket No — 225-Pb —— Contract No. Idm. E— 189



PLAN

Scale 1"=20'



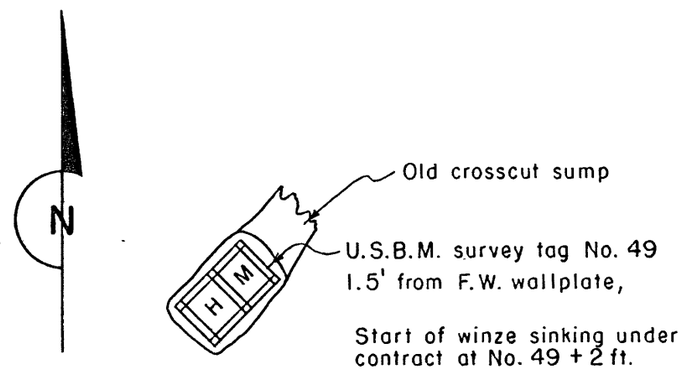
SECTION LOOKING N.E.

Scale 1" = 20'

NOTE: Compartments 4.5'
Dip 69° N.W.
Shaft sets 5.0' centers

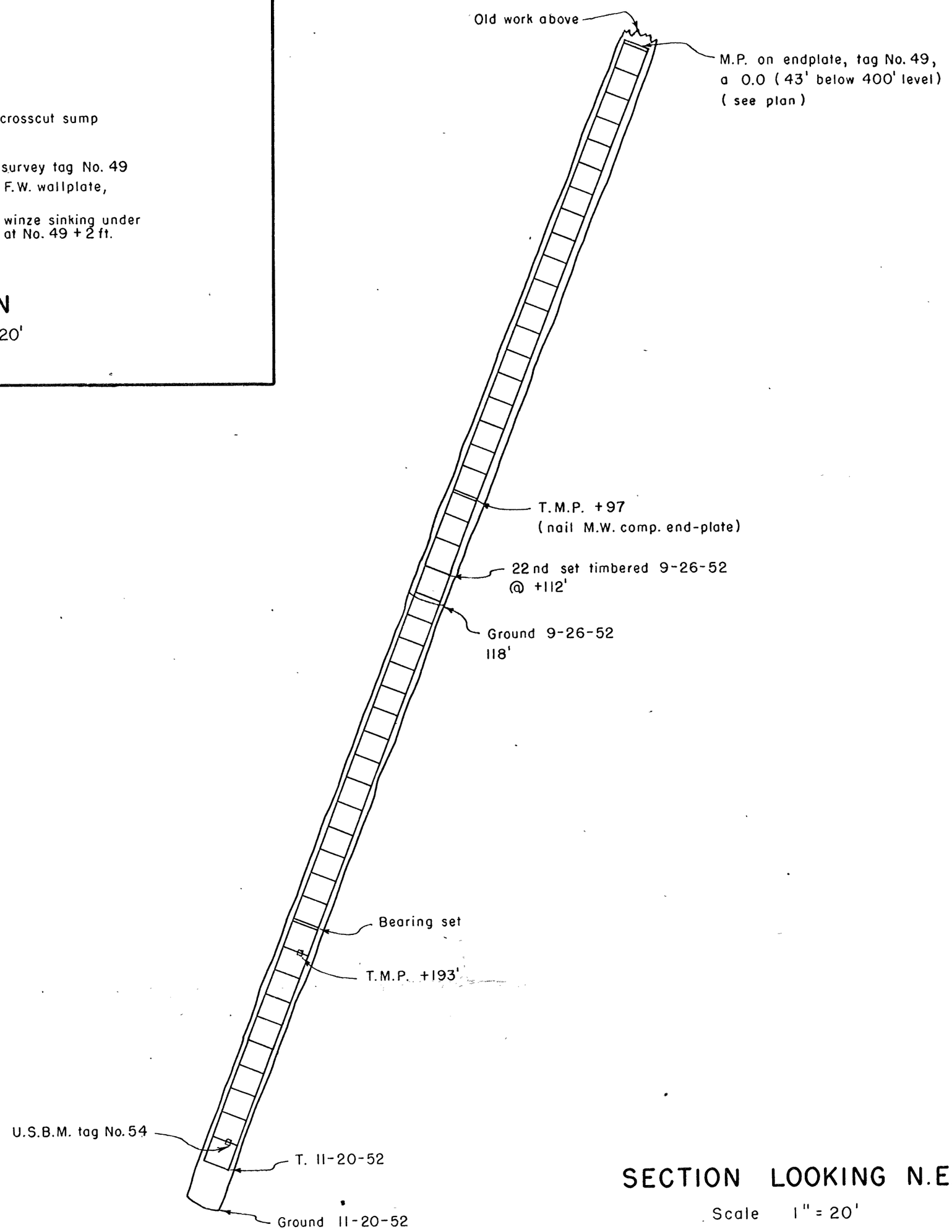
Winze, 400-800 level, Whitedelf mine, Bonner County, Idaho.

Contract No. I-dm-E 189



PLAN

Scale 1"=20'



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