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

224 New Customhouse
Denver 2, Colorado

June 3, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, Docket No. 1 & 1A, Contract I-DMA-E4,
Chief Consolidated Mining Company, Eureka, Utah

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the period of March, 1952, pertaining to Project No. 1, DMA Docket 1 and 1A, Contract I-DMA-E4, Chief Consolidated Mining Company, Eureka, Utah.

W. H. King

W. H. King

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
JUN 6 1952

224 New Customhouse
Denver 2, Colorado

May 15, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1 & 1A, Contract I-DMA-E4, Chief Consolidated Mining Co., Eureka, Utah - Operator's Monthly Progress Report for the period of March, 1952 - Project No. 1 (2700 level)

Enclosed are the original and three copies of Form MF-104 Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended for the amount of $4,412.46, which is 50 percent of the total of $8,824.92.

The operator paid company day-pay miners on an incentive bonus basis for work done in the 27/37 Raise. We have no information by which to check these bonus rates but the amendment drawn up in Washington, dated August 13, 1952 states that miners may be paid on a unit-work basis. Although the amendment does not stipulate any rates we are allowing them as they stand.

Some of the rates paid the miners working under the subcontractor, Centennial Development Company, are not understood. The rates are not excessive but we are unable to tie them in with any of the rates set up in the contract. We are allowing the rates as they are shown with the reservation that there will be an "on-site" audit made on the records of both the operator and the subcontractor.

On the first page of the operator's narrative, work shown as done in 27/18 Drift consisted of 10 feet of advance plus 10 feet of slabbing. The total shown after Drifting on the fourth page of Form MF-104 includes the 10 feet of slabbing. It is not understood why the operator totals the slabbing in his drifting totals for this will cut down on his allowable exploration footage as shown in the contract.

WLD:oc
cc: Secretary to the Oper. Comm.
SRWilson
Contract
Chron.
Koschmann (2)

W. H. KING
W. H. King

May 12, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA 1 and 1A, I-DMA-E4, Chief Consolidated Mining Co., Eureka, Utah, Project 1. MF-104 forms for March 1952.

Enclosed are MF-104 forms and supporting data covering the subject contract for March 1952.

The accounts and property have been inspected by W. E. Young as shown on the attached progress report. It is recommended that payment to the operator be made as shown on the report.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson

May 12, 1952

W. E. Young

DMA 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah, Project 1. Progress report and MF-104 forms for March 1952.

The accounts were checked with W. W. Watson, secretary, on May 1, 1952. The progress was checked on April 29, 1952, at the mine. The progress reported for drifting and raising on the 2700-foot level has been accomplished.

Item 4 Labor.
For raise work contracted on company account in 27-37 raise. Contract supported by amendment dated August 13, 1951. Verified correct by company accounts.

Item 6 Supplies.
Supplies used in 27-37 raise. Invoice No. 11-2 for 210 paper tubes is an inventory stock used exclusively in this raise during this and other periods.

Item 9 Workmen's Compensation and Payroll Taxes (listed under Other)
Calculated on company rates for the above payroll.

Item 10 Contract Work.
Payroll as submitted by subcontractor does not show employees' names, nor breakdown of overtime pay and shift differential pay. In the future, these will be shown. An itemized breakdown of contract charges is included. This conforms with the contract or amendments thereto. Supplies were purchased from the Eureka Machinery and Supply Co. This company is owned by Chief Consolidated Mining Co. Supporting invoices were checked.

Item 11 Other.
This includes charges for compressing, steel sharpening, hoisting, pumping, etc., prorated against costs for company work in mining ore and other development than DMA. Prorated charges are for waste only from DMA development. These have been checked and are reasonable. They are verified correct from company accounts.

The item "Other" on last page of MF-104 form calls for breakdown when "Other" is more than 25 percent of total. This is done in body of report. It includes company contract raise plus raise work in 27-52 raise done by subcontractor.

Payment is approved for $4,412.46 for the month of March 1952. This is 50 percent of $8,824.92, the amount expended during March.

W. E. Young

W. E. Young

Copy

CONTRACT No. Idm-E 4

Name of Operator -- CHIEF CONSOLIDATED MINING COMPANY

Docket No DMA-- 1&1A Project 1

Total Contract Amount -- $ 63,000.00

Government Participation -- 50% Amount $31,500.00

Distribution of Expe nditures for Month of --March - 1952

April 24, 1952 W. W. Watson -- Secretary

Groating Machine-Monthly Monthly Rented	Monthly Total	Totals prev. Reported	Totals to date	Approved Mo. Total	App. Totals Pre. Reported	Approved Totals to Date
Groating Machine	None	536.41	536.41	None	536.41	536.41
Labor	$267.90	96.73	364.63	267.90	96.73	364.63
Other	149.78	None	149.78	149.78	None	149.78
Workmen's Comp.	18.44	6.05	24.49	18.44	6.05	24.49
Contract Work	5,527.95	23,484.99	29,012.94	5,527.95	23,484.99	29,012.94
Payroll Taxes	7.23	2.51	9.74	7.23	2.51	9.74
Applicable Compressing etc.	1,545.48	6,755.69	8,301.17	545.48	6,755.69	8,301.17
Applicable Hoisting Exp.	619.95	2,283.50	2,903.45	619.95	2,283.50	2,903.45
Applicable pumping Exp.	688.19	3,231.05	3,919.24	688.19	3231.05	3919.24
Total	8,824.92	36,396.93	45,221.85	8,824.92	36,396.93	45,221.85

Totals previously reported 36,396.93

Totals to date 45,221.85

We E. Young

Amount approved for payment $4,412.46 SKW

Schedule DMA 52-53

May 23, 1952

$ 4, 412.46

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF **March - 1952

Wages & Salaries	Supplies	Other	Total	Unit	Units this Month	Units pre-Reported	Units to date	Units authorized by contract
		7,499.75	7,499.75	Ft.	251.0	876.5	1,127.5	1,800.0 ft.
267.90	149.78	907.49	1,325.17	ft.	59.0	126.0	185.0	3.00.0 ft.
267.90	149.78	8,407.24	8,824.92		310.0	1,002.5	1,312.5	2,100.0 ft.

Re: DMA Docket 1 and 1A Contract Idm - E4

The following work was done during the month of March on the Chief No.1 2700 Level:

Drifting:

27/4 Drift (westmost on accompanying map) advanced	63½ feet.
27/18 Drift (northmost on accompanying map) advanced	10. feet.
slabbing- 10 feet @ 1	10. "
27/27 Drift (eastmost on accompanying map) advanced	121½ feet.
27/39 Drift (most easterly of north drifts on accompanying map) advanced	46. feet

Raising:

27/37 Raise (offset 30 feet south in stope- then run vertical) advanced (new vertical portion)	37. feet.
27/52 Raise (westmost on accompanying map) run	22. feet.
Total footage 2700 Level	310. feet.

No new ore was discovered during March, but commercial ore, previously mentioned as having been discovered by this project, was stoped throughout the month and minor leads, therefrom, are being prospected.

J.T. Hall
General Superintendent,
Chief Consolidated Mining Co.

April 1st,1952.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

March 31-1952

2700 Level Exploration

Section of Report	Item		Amount
4 -	Labor		$ 267.90
6 -	Supplies - Other:		149.78
	Illinois Powder Mfg. Co.	$ 84.00	
	Eureka Machy. & Supply Co.	65.78	
		$ 149.78	
9 -	Insurance (c) Workmens Compensation		18.44
10 -	Contract Work Authorized Contractor; Centennial Development Co.		5,527.95
11 -	Other:		2,860.85
	Payroll Taxes	$ 7.23	
	Applicable Compressing Etc.	1,545.48	
	Applicable Hoisting Expense	619.95	
	Applicable Pumping Expense	688.19	
		$ 2,860.85	
	Total		$ 8,824.92

Chief Consolidated Mining Company

Distribution of Labor chargeable against
Project 2737 Raise - 96-E D.M.A. for month of March, 1952 (16-31-52)

	Miner	Shifts	Rate	Total	O.T.	Grand Total
Martin Horse	"	3-1/2	14.10	49.35	7.05	56.40
Gilbert Wightman	"	3-1/2	14.10	49.35	7.05	56.40
Floyd Eatough	"	3	14.10	42.30	7.05	49.35
Neil Thomas	"	5	14.10	70.50	7.05	77.55
Lloyd Powell	"	2	14.10	28.20	--	28.20
Total		17		$ 239.70	$ 28.20	$ 267.90

Explanation of contract on 2737 Raise heading

Footage, 37 feet @ $5.85 per foot	$ 216.45
Tramming 93 cars @ 25¢ per car	23.25
Total Contract	$ 239.70

$ 239.70 ÷ 17 shifts = $ 14.10 per shift

(Overtime) = O.T. Rate
4 @ 7.05 = $ 28.20

Total Contract	$ 239.70
Total O.T.	28.20
	$ 267.90

Original & 6 copies.

March 31, 1952
Salt Lake City, Utah

Invoice No. 11-2

Vendor: Illinois Powder Manufacturing Co.
614 Walker Bank Building
Salt Lake City, Utah

Charge: Eureka Machinery & Supply Co.
(for Chief Consolidated Mining Co.)
Eureka, Utah

January 30, 1952 - 210 Paper Tubes Wax Coated 1-1/4" x 7'
@ .40 $ 84.00

2700 Level Exploration

March 31-1952
Eureka, Utah
Reqn. # 367

Vendor: Eureka Machinery & Supply Co.,
Eureka, Utah

Charge: Chief Consolidated Mining Co.,
Eureka, Utah

250 lbs. Powder		$41.71
87 Electric blasting caps		19.71
	Handling charge	3.07
	Sales Tax	1.29
	Total	$ 65.78

27-37 Raise
18-411 Wz.

Chief Consolidated Mining Company
608 Dooly Building,
Salt Lake City, Utah

2700 Level Exploration March 31-1952

Payroll Workmen's Compensation Insurance Premium paid by
Chief Consolidated Mining Company

Month	Payroll Amount	Factor	Premium
March - 1952	$ 267.90	.06827	$ 18.44

Factor:
$6.827 per hundred dollars of
Payroll plus 1.00% of Premium Amount.

I N V O I C E

CENTENNIAL DEVELOPMENT COMPANY

Mining Contractors and Engineers

Eureka, Utah

Authorized Contractors for:

Chief Consolidated Mining Company
Eureka, Utah

March - 1952

2700 Level 96-E-DMA

27/4 Drift	1,270.12	
27/18 Drift	412.45	
27/27 Drift	2,501.36	
27/39 Drift	921.21	
27/52 Raise	422.81	5,527.95

DETAIL OF COSTS

MARCH - 1952

LABOR

Direct	3,357.00	
Supervision	60.00	
By Chief Cons.	24.00	3,441.00
Workmen's Comp. Ins.		157.00
Social Security Taxes		92.27
Group Insurance		41.55
General Expense		14.48
a/c Payable Chief Cons.		1,281.27
		5,027.57
Surcharge		500.38
		5,527.95

CLASSIFICATION OF LABOR

2700 Level

March - 1952

Classification	Shifts	Rate Paid	Total Wages
Miners	2	12.05	24.10
"	2	12.69	25.38
"	43	18.97	815.71
"	36	19.45	700.20
"	37	19.73	730.01
"	38	20.21	767.98
		Total Direct Wages	3,063.38
		Overtime Pay	293.62
			3,357.00
Supervision	5	12.	60.00
			3,417.00

DETAIL OF COSTS

MARCH - 1952

27/4 Drift 96E-DMA

LABOR		
Direct	769.32	
Supervision	13.75	783.07
SUPPLIES		
Explosives	148.54	
Timber	38.19	
Rail & Fittings	45.45	
Hose & Fittings	28.17	
Pipe & Fittings	20.15	
Tools	7.83	
Rubber Goods	10.32	
Sundry	2.97	301.62
EXPENSES		
Workmen's Comp. Ins.	35.98	
Social Security Taxes	21.14	
Group Insurance	9.52	
General Expense	3.32	69.96
		1,154.65
Surcharge		115.47
		1,270.12

Advance	63½ ft.
Cost per ft.	19.98

DETAIL OF COSTS

MARCH - 1952

27/18 Drift 96R-DMA

LABOR

Direct	242.11	
Supervision	4.32	
By Chief Cons.	12.00	258.43

SUPPLIES

Explosives	46.74	
Timber	12.02	
Rail & Fittings	14.97	
Hose & Fittings	8.87	
Pipe & Fittings	6.34	
Tools	2.47	
Rubber Goods	3.25	
Sundry	.94	95.60

EXPENSES

Workmen's Comp. Ins.	11.32	
Social Security Taxes	6.65	
Group Insurance	3.00	
General Expense	1.04	22.01
		376.04
Surcharge		36.41
		412.45

Advance	20 ft.
Cost per ft.	20.68

DETAIL OF COSTS

MARCH - 1952

27/27 Drift 96E-DHA

LABOR

Direct	1,521.66	
Supervision	27.21	
By Chief Cons.	12.00	1,560.87

SUPPLIES

Explosives	284.24	
Timber	73.07	
Rail & Fittings	85.60	
Hose & Fittings	53.92	
Pipe & Fittings	38.55	
Tools	14.99	
Rubber Goods	19.74	
Sundry	5.69	575.80

EXPENSES

Workmen's Comp. Ins.	71.16	
Social Security Taxes	41.83	
Group Insurance	18.83	
General Expense	6.56	138.38
		2,275.05
Surcharge		226.31
		2,501.36

Advance	121½ ft.
Cost per ft.	20.09

DETAIL OF COSTS

MARCH - 1952

27/29 Drift 96E-DMA

LABOR

Direct	557.32	
Supervision	9.96	567.28

SUPPLIES

Explosives	107.60	
Timber	27.66	
Rail & Fittings	33.92	
Hose & Fittings	20.41	
Pipe & Fittings	14.60	
Tools	5.67	
Rubber Goods	7.47	
Sundry	2.16	219.49

EXPENSES

Workmen's Comp. Ins.	26.07	
Social Security Taxes	15.32	
Group Insurance	6.90	
General Expense	2.40	50.69
		837.46
Sruchargo		83.75
		921.21

Advance	46 ft.
Cost per ft.	20.03

DETAIL OF COSTS

MARCH - 1952

27/52 Raise 96E-DMA

LABOR		
Direct	266.59	
Supervision	4.76	271.35
SUPPLIES		
Explosives	51.47	
Timber	13.23	
Hose & Fittings	9.76	
Pipe & Fittings	6.98	
Tools	2.71	
Rubber Goods	3.58	
Sundry	1.03	88.76
EXPENSES		
Workmen's Comp. Ins.	12.47	
Social Security Taxes	7.33	
Group Insruance	3.30	
General Expense	1.16	24.26
		384.37
Surcharge		38.44
		422.81
Advance	22 ft.	
Cost per ft.	19.22	

Chief Consolidated Mining Company
608 Dooly Building,
Salt Lake City, Utah

Payroll Taxes incurred by Chief Consolidated Mining Company

Month	Payroll Amount	Tax Factor	Payroll Tax
March - 1952	$ 267.90	.027	$ 7.23

Basis of Tax Factor:

Federal Old Age Insurance	.015
Utah State Unemployment	.009
Federal Excise	.003
Total	.027

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

New 2700 Drift Project

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
27-37 Raise	$ 26.06	$ 7.15	$ 32.48	$ 22.22	$ 10.02	$ 25.39	$ 123.32
27-4 Drift	90.21	12.29	86.88	59.44	26.80	67.89	343.51
27-27 "	187.75	25.64	174.51	119.39	53.82	136.37	697.48
27-39 "	67.49	9.20	65.72	44.96	20.27	51.36	259.00
27-52 Raise	30.07	4.07	31.73	21.71	9.79	24.80	122.17
Total	$401.58	58.35	391.32	267.72	120.70	305.81	$ 1,545.48

Basis for arriving at above proportions: Total Cost for the month of March-1952;

$ 6,681.90	813.84	7,554.37	5,168.31	2,329.98	5,903.60	$ 28,452.00

Total Compressing Shifts for March 1952 - 1,778

Proportion of Compressing Shifts to;

	Shifts	Percentage of Total
27-37 Raise	7	.39%
27-4 Drift	24	1.35%
27-27 "	50	2.81%
27-39 "	18	1.01%
27-52 Raise	8	.45%
Total	107	6.01%

Total Steel Sharpening Shifts for March 1952 - 794

Proportion of Steel Sharpening Shifts to:

	Shifts	Percentage of Total
27-37 Raise	7	.88%
27-4 Drift	12	1.51%
27-27 "	25	3.15%
27-39 "	9	1.13%
27-52 Raise	4	.50%
Total	57	7.17%

Total cars of Ore & Waste handled during March 1952 - 17,754

Proportion of cars Waste Hoisting and Tramming to:

	Cars	Percentage of Total
27-37 Raise	76	.43%
27-4 Drift	205	1.15%
27-27 "	410	2.31%
27-39 "	154	.87%
27-52 Raise	74	.42%
Total	919	5.18%

Summary

Drifting Charges	$ 1,299.99
Raising Charges	245.49
Total	$ 1,545.48

Chief Consolidated Mining Company
608 Dooly Building,
Salt Lake City , Utah

Proportion of 18-411 Winze Cost Applicable to 2700 Level Exploration

Month of March - 1952

Amount Applicable to 2700-Level Development		$ 619.95
Labor - 18-411 Winze Shaft Hoisting		$4,128.07
Total Unallocated Cost		$4,128.07
Total cars of Ore & Waste Hoisted by 18-411 Winze Shaft		9,287
Cars of Waste Hoisted from 2700-Level Dev.		919
Percentage of Total	9.90%	
Total Unallocated costs $4,128.07 x 9.90%		$ 408.68
Electric Power cost directly allocated to 2700-Level Development		211.27
Total		$ 619.95

Summary

Raising Charges	$ 101.19
Drifting Charges	518.76
Total	$ 619.95

Chief Consolidated Mining Company
608 Dooly Building,
Salt Lake City, Utah

Proportion of Pumping Costs applicable to 2700 Level Exploration

Month of March 1952

Amount Applicable to 2700 Level Development	$ 688.19
Total Pumping Costs for March - 1952	$ 13,295.09
Total Number of cars of Ore & Waste Hoisted during March - 1952	17,754
Total number of cars of waste Hoisted from 2700 Level Development during March - 1952	919
Proportion of Pumping Costs chargeable to 2700 Level Exploration:	
$13,295.09 x $\frac{919}{17,754}$	$ 688.19

Summary

Raising Charges	$ 112.33
Drifting Charges	575.86
Total	$ 688.19

LARGE FORMAT DOCUMENTS AT END OF FILE

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

224 New Customhouse
Denver 2, Colorado

June 3, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, Docket No. 1 & 1A, Contract I-DMA-E4,
Chief Consolidated Mining Company, Eureka, Utah

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the period of March, 1952, pertaining to Project No. 1A, DMA Docket 1 and 1A, Contract I-DMA-E4, Chief Consolidated Mining Company, Eureka, Utah.

W. H. King
W. H. King

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952.

Original MF-104 sent to Mr. Chambers. The copy to Mr. Mittendorf, Mr. Johnson, Mr. Murkland, & Commodity, 6-10-52

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 4

Name of Operator CHIEF CONSOLIDATED MINING COMPANY
Docket No. DMA 1 & 1A Project 1
Total Contract Amount $ 140,000.00 35,000.00
Government Participation: 25 % Amount, $
Distribution of Expenditures for Month of March - 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.

CHIEF CONSOLIDATED MINING COMPANY
(Name of Company)

By W. W. Watson
(Signature of Authorized Official)

April 24, 1952
(Date)

Secretary
(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—64068-8

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]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

Mining Division
Region IV

May 15, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1 & 1A, Contract I-DMA-E4, Chief Consolidated Mining Co., Eureka, Utah - Operator's Monthly Progress Report for the period of March, 1952, Project 1A (18-411 Winze)

Enclosed are the original and three copies of Form MF-104, Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended for the amount of $3,200.83 which is 25 percent of the total of $12,803.31.

There are a few questions that have arisen concerning the invoice breakdown of the subcontractor. The Centennial Development Company is working on a cost plus basis. The subcontract states that labor will be paid at rates previously approved by the company, however, the rates shown paid by the subcontractor are excessive to those set up in the labor schedule of the operator's contract. The Chief Councel, in his letter to the Executive Officer of this Region, dated March 4, regarding cost plus subcontracts, states, "This does not mean, in the case of labor, that the costs have to conform with the estimates for labor set forth in Exhibit "A"."

This, coupled with the fact that an "on-site" audit will be made of the accounts of the operator and the subcontractor, we are approving the costs as shown.

W. H. KING

W. H. King

WLD:oc

cc: Secretary to the Oper. Comm.
SRWilson
Contract
Chron.
Koschmann (2)

May 12, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA 1 and 1A, I-DMA-E4, Chief Consolidated Mining Co., Eureka, Utah, Project 1A. MF-104 forms for March 1952.

Enclosed are MF-104 forms and supporting data covering the subject contract for March 1952.

The accounts and property have been inspected by W. E. Young as shown on the attached progress report. It is recommended that payment to the operator be made as shown on the report.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson

May 12, 1952

W. E. Young

DMA 1 and 1A, I-DMA-E4, Chief Consolidated Mining Co., Eureka, Utah, Project 1A. Progress report and MF-104 forms for March 1952.

The accounts were checked with W. W. Watson, secretary, on May 1, 1952. On April 29, the day for period measurement, the shaft was flooded with water and could not be inspected. However, on a previous trip, an inspection was made and the progress reported was observed to have been done. The shaft was flooded temporarily, awaiting construction of a sump sufficiently large to hold a ten-minute supply of the 2700-level water. This is being done in the interest of safety to insure time for men to get out of the shaft in case of a power failure or failure of the pumping system.

Item 6 Supplies
Supported by copies of invoices and freight bills. Although freight bills and express charges are normally considered transportation, and listed under item 8, this company includes on their books such charges in billed costs of items at mine.

Item 10 Contract Work.
Centennial Development Company, subcontractors, submit copies of payroll and breakdown of supplies and expenses. Payroll is to include name of workmen and breakdown of overtime and shift differential on next month's forms. The supplies were checked from invoices shown on company accounts. The item "shop expense" is carried this way to avoid showing labor involved. The work is done in company shops and billed to subcontractor on a per job basis. Verified correct as shown on company accounts.

Item 11 Other.
These include charges for compressing, steel sharpening, hoisting, tramming and pumping. Prorating is based on cars hoisted from project 1-A against total cars hoisted in combined operation. This method appears fair and equitable. Verified correct from company accounts.

Breakdown for the item "Other" on page 4 of MF-104 forms is shown in body of report.

Payment is approved for $3,200.83 for the month of March 1952. This is 25 percent of $12,803.31, the amount expended on project 1A.

W. E. Young

W. E. Young

Re: DMA Docket 1 and 1A Contract Idm - E4

During the month of March, work, extending the 18/411 Winze of Chief No.1 Mine, was begun and prosecuted as follows:

Winning:

18/411 Winze- (3 compartment- begun 49 feet below 2700 Level of Chief No.1 Mine. Details shown on map accompanying 2700 Level development)

sunk 36½ feet.

J.T. Hall
General Superintendent,
Chief Consolidated Mining Co.

April 1st,1952.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

March 31-1952

18-411 Winze Shaft Sinking

Section of Report	Item		Amount
6 -	Supplies - Other:		$ 181.27
	Salt Lake & Delta Freight	$ 6.27	
	The Lang Co.	18.19	
	Eureka Machy. & Supply Co.	97.39	
	Eureka Machy. & Supply Co.	59.42	
		$ 181.27	
10 -	Contract Work		10,096.87
	Authorized Contractors;		
	Centennial Development Co.		
11 -	Other:		2,525.17
	Applicable cost Service Charges, Hoisting, Tramming, Compressing Etc.	$1,246.83	
	Applicable Cost Hoisting	797.06	
	Applicable Cost Underground Pumping	481.28	
		$ 2,525.17	
	Total		$ 12,803.31

March 31, 1952
Salt Lake City, Utah

Frt. Bill No. D 69067

Vendor: Salt Lake - Delta Freight Lines
350 So. 1st West
Salt Lake City, Utah

Charge: Chief Consolidated Mining Co.
Eureka, Utah

March 5, 1952 - Freight charges on 1 bale Rubber Hose, Youngstown, Ohio, to Eureka, Utah from Republic Rubber Divn. $ 6.27

18-411 Winze Shft Sinking

March 31, 1952
Salt Lake City, Utah

Invoice No. 23063

Vendor: The Lang Company
267 West First South
Salt Lake City, Utah

Charge: Eureka Machinery and Supply Co.
(For Chief Consolidated Mining Co.)
Eureka, Utah

Mar. 12, 1952	1	- #24 3/8 Hose Assembly	3.20
	2	- #25 Adapter	1.50
	2	- #26 Adapter	1.50
	1	- #26 Pressure Line w/ nut	5.50
		Air Express Charges	4.13
		Trucking chgs. from factory to airport	2.00
		Sales Tax	.36
			$ 18.19

18-411 Winze Shaft Sinking

March 31-1952
Eureka, Utah
Reqn. #293

Vendor: Eureka Machinery & Supply Co.
Eureka, Utah

Charge: Chief Consolidated Mining Co.
Eureka, Utah

2-Rolls Friction Tape	.84
2-Rolls Rubber Tape	.92
10-3/8x3 lag screws	.27
8 - 3/8x1½ Machine bolts	.22
200 - ft. 12-2 Cond. wire	12.80
250 - ft. 12-3 Cond. wire	68.52
2 Rolls - Marlintwine	1.35
2 - 100W 250V Electric Lamps	.79
3 - 50W - 120V " "	.53
3 - 100W - 120V " "	.77
2 - 50W - 220V " "	.56
2 lbs. Hex nuts	.76
4 - Zerk Fittings	.28
4 - 3/4x6 Machine bolts	.60
4 - 1/8 x 3/8 Bushings	.36
12 - Sheets Emery cloth	1.13
1 - Hondu	.23
Handling	4.55
Sales Tax	1.91
Total	$ 97.39

Sinking Hoist
18-411 Wz.

March 31-1952
Eureka, Utah
Reqn. #294

Vender: Eureka Machinery & Supply Co.,
Eureka, Utah

Charge: Chief Consolidated Mining Co.,
Eureka, Utah

12 lbs. Fleetweld #7 3/16	$ 1.73
3½ lbs. Garlock 900 1/16	2.39
31 - 5/8 x 2½ machine bolts	2.73
3 lbs. Hex nuts	1.15
12 - 5/8 x 3 machine bolts	1.01
4 - 3/4 x 5 " "	.41
1 - 3/8 x 1 bushing	.11
1 - 1½ x 1 "	.18
1 - 1" spud	.64
2 ft. 5" Pipe	2.87
125 ft. ½x2½ mild steel 531 lbs.	42.27
Handling charge	2.77
Sales Tax	1.16
Total	$ 59.42

Sinking Pump - 18-411 Wz.

INVOICE

Centennial Development Company

Mining Contractors and Engineers

EUREKA, UTAH

Chief Consolidated Mining Company
Eureka, Utah

March - 1952

F2 1M 3-8-51

18/411 Winz 96C-DMA 10,096.87

DETAIL OF COSTS

MARCH - 1952

LABOR

Direct	5,368.93	
Supervision	96.00	5,464.93
Workmen's Comp. Ins.		251.10
Social Security Taxes		147.56
Group Insurance		66.47
General Expense		23.16
A/C Payable Chief Cons.		3,338.80
		9,292.02
Surcharge		804.85
		10,096.87

CLASSIFICATION OF LABOR

18/411 Shaft - 96C-DMA

March - 1952

Classification	Shifts	Rate Paid	Total Wages
Shaftman	4	18.49	73.96
"	1	18.97	18.97
"	2	19.13	38.26
"	40-3	20.28	818.80
"	48-4	20.60	999.10
"	46-1	20.92	964.94
L. Shaftman	13-2	21.28	281.96
" "	7-7	21.60	170.10
" "	15-3	21.92	337.02
Hoistman	15-2	15.43	235.31
"	14-2	14.79	210.76
"	1	14.19	14.19
"	9	15.11	135.99
Topman	12	16.11	193.32
"	11-2	16.43	184.84
"	7-7	15.79	124.35
"	1	14.90	14.90
		Total Direct Wages	4,816.77
		Overtime	552.16
			5,368.93
Foreman	8	12.00	96.00
			$ 5,464.93

DETAIL OF COSTS

MARCH - 1952

18/411 Winze 96-C - DMA

LABOR		
Direct	5,368.93	
Supervision	96.00	5,464.93
SUPPLIES		
Shop Expense	1,243.83	
Explosives	264.99	
Timber	1,116.11	
Hose & Fittings	283.60	
Pipe & Fittings	43.06	
Tools	63.34	
Iron & Steel	194.26	
Oil, Grease & Waste	46.84	
Sundry	66.70	
Difference in cost of 2 1/8" bits versus 1 7/8" bits	16.07	3,338.80
EXPENSES		
Workmen's Comp. Ins.	251.10	
Social Security Taxes	147.56	
Group Insurance	66.47	
General Expense	23.16	488.29
		9,292.02
Surcharge		804.85
		$ 10,096.87

Advance	36-1/2 ft.
Cost per ft.	276.64

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

18-411 Winze Shaft Sinking

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
18-411 Winze Shaft:	$ 469.74	$ 18.47	$ 273.47	$ 187.09	$ 84.35	$ 213.71	$ 1,246.83
Basis for arriving at above proportions: Total Cost for Mar., 1952	$ 6,681.90	$ 813.84	$ 7,554.37	$ 5,168.31	$ 2,329.98	$ 5,903.60	$ 28,452.00

Total Compressing Shifts for March, 1952: 1,778
Proportion of Compressing Shifts to:

	Shifts	Percentage of Total
18-411 Winze Shaft	125	7.03 %

Total Steel Sharpening Shifts for March, 1952: 794
Proportion of Steel Sharpenings Shifts to:

	Shifts:	Percentage of Total
18-411 Winze Shaft	18	2.27 %

Total cars Ore & Waste handled during March, 1952: 17,754
Proportion of cars Ore & Waste Hoisting & Tramming to:

	Cars	Percentage of Total
18-411 Winze Shaft	642	3.62 %

Summary

18-411 Winze Shaft Sinking Charges: $ 1,246.83

Chief Consolidated Mining Company
608 Dooly Building,
Salt Lake City , Utah

18-411 Winze Shaft Sinking

Proportion of 18-411 Winze Cost applicable to 18-411 Winze Shaft Sinking

Month of March - 1952

Amount applicable to 18-411 Winze Shaft Sinking	$ 797.06
Labor - 18-411 Winze Shaft Hoisting	$ 4,128.07
Total Unallocated Cost	$ 4,128.07
Cars of ore & waste hoisted by 18-411 shaft	9,287
Cars of waste hoisted from 18-411 Winze shaft sinking	642
Percentage of total 6.91%	
Total unallocated cost $4,128.07 x 6.91%	$ 285.25
Electric Power cost directly allocated to 18-411 Winze shaft sinking	511.81
Total	$ 797.06

Chief Consolidated Mining Company
608 Deoly Building,
Salt Lake City, Utah

18-411 Winze Shaft Sinking

Proportion of Pumping Costs applicable to 18-411 Winze Shaft Sinking

Month of March - 1952

Total Pumping costs for March - 1952	$13,295.09
Total number of cars of Ore & Waste hoisted during March - 1952	17,754
Total number of cars of waste hoisted from 18-411 Winze shaft Sinking during March - 1952	642
Proportion of Pumping Costs chargeable to 18-411 Winze Shaft Sinking:	
$13,295.09 x $\frac{642}{17,754}$	$ 481.28
Amount applicable to 18-411 Winze Shaft Sinking	$ 481.28

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]	None	2,875.36	2,875.36	None	2,875.36	2,875.36
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other	181.27	3,485.67	3,666.94	181.27	3,485.67	3,666.94
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	None	188.69	188.69	None	188.69	188.69
10. Contract Work	10,096.87	None	10,096.87	10,096.87	none	10,096.87
11. Other (specify)						
				None	74.77	74.77
Payroll Taxes etc.	None	74.77	74.77	1,246.83	none	1,246.83
Applicable Compressing	1,246.83	None	1,246.83			
Applicable 18-411				797.06	none	797.06
Hoisting Expense	797.06	None	797.06	481.28	none	481.28
Applicable Pumping Exp.	481.28	None	481.28			
~~Deletions~~ Total	12,803.31	6,624.49	19,427.80	12,803.31	6,624.49	19,427.80
Adjusted totals						
Totals previously reported				6,624.49		
Totals to date				19,427.80		

[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 W. E. Young
Amount approved for payment 3,200.83 SKW
Remarks

16—64068-3

Schedule DMA 52-53
May 23, 1953
3200.83

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF March - 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 Underground			181.27	12,622.04	12,803.31	Foot	36.5	None	36.5	400.0 Ft.
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals			181.27	12,622.04	12,803.31		36.5		36.5	

[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

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

224 New Customhouse
Denver 2, Colorado

April 23, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah - Project 1A (shaft sinking)

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of February, 1952, pertaining to DMA Docket 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co. for Project 1A (shaft sinking)

W. H. King

W. H. King for
J. H. East, Jr.

Enclosure

February
Preparatory work
Project PA
$2446.47

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
[illegible]
APR 28 1952

CHIEF CONSOLIDATED MINING CO.
608 Dooly Building
Salt Lake City, Utah

C
O
P
Y

April 15, 1952

Mr. T. A. Christensen
Acting Special Assistant to
Regional Director
U. S. Bureau of Mines
224 New Customhouse
Denver 2, Colorado

Dear Mr. Christensen:

Thank you for your letter of April 8 requesting information as to our method of computing salaries applicable to the Government Project for those men who are on a monthly basis.

Twenty shifts are considered one base month. Therefore, on the basis of $288 per month, the rate used is $14.40 per shift. On the basis of $277.50 per month, the rate used is $13.87 per shift.

Trusting this is the information you desire, we are

Very truly yours,

CHIEF CONSOLIDATED MINING COMPANY

/s/ R. H. CORNWELL

R. H. Cornwell

Schedule DMA 52-42
April 17, 1952
$611.62
4-17-52

Mining Division
Region IV

April 10, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1 & 1A, Contract Idm-84, Chief Consolidated Mining Co., Eureka, Utah - Operator's Monthly Progress Report for the period of February, 1952 - Project 1A (shaft sinking)

Enclosed are the original and three copies of Form MF-104, Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended for the amount of $611.62, which is 25 percent of the total of $2,446.47. Accuracy of the stated amounts are contingent on a check of arithmetical computations.

W. H. KING

W. H. King

Enclosures

JWT:oo

cc: DMA Contract
DMA Chron.
Secretary to the Oper. Comm.
SRWilson
AHKoschmann (2)

Mining Division
Date Rec'd.

APR 7- 1952

BUREAU OF MINES
Denver, Colorado

April 3, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah. MF-104 forms for February 1952, Project 1A.

Enclosed are MF-104 forms and accompanying data covering the subject project for February 1952. The property and accounts have been inspected by W. E. Young and conform with the contract and requested amendment to clarify labor schedules and wage scales.

It is recommended that repayment be made to the operator subject to approval of the above amendment request.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson

April 2, 1952

W. E. Young

DMA 1 & 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah, Project 1A. MF-104 forms for February 1952.

The project was inspected on March 28, 1952. The work accomplished was preparatory to sinking. The work done is necessary and conforms to terms of the contract. Actual sinking has started as of this date and is progressing satisfactorily. Three compartments are being sunk, with one compartment offset to the west.

The MF-104 forms were checked and are correct. Accounts were checked and appear to be correct.

It is recommended that $611.62 be vouchered for payment. This is one-fourth the amount, $2,446.47, expended during the month of February.

W. E. Young

W. E. Young

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

C
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P
Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 4

Name of Operator Chief Consolidated Mining Company
Docket No. DMA 1 and 1A Project 1A
Total Contract Amount $ 140,000.00
Government Participation: 25% % Amount, $ 35,000.00
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.

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.

Chief Consolidated Mining Company
(Name of Company)

By W. W. Watson
(Signature of Authorized Official)

March 28, 1952
(Date)

Secretary
(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—64068-8

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]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

MONTH[illegible] SUMMARY COST STATEMENT—Co[illegible]nued

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]	1,135.34	1,740.02	2,875.36	1135.34	1740.02	2875.36
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other	1,203.44	2,282.23	3,485.67	1203.44	2282.23	3485.67
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	78.17	110.52	188.69	78.17	110.52	188.69
10. Contract Work						
11. Other (specify)						
Payroll Taxes	29.52	45.25	74.77	29.52	45.25	74.77
Total	2,446.47	4,178.02	6,624.49	2446.47	4178.02	6624.49
Deletions						
Adjusted totals						
Totals previously reported				4178.02		
Totals to date				6624.49		

[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 W. E. Young SRW JVL
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 Underground	1,135.34		1,203.44	107.69	2,446.47	Foot	None	None	None	400.0 ~~ft.~~
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1,135.34		1,203.44	107.69	2,446.47	Foot				400.0 ~~ft.~~

[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

Chief Consolidated Mining Company

March 11, 1952
Eureka, Utah

Narative Report covering work performed in connection with sinking 18-411 Winze Shaft for month of February, 1952.

Gravity locking clevises were made for hydro-clam, and sinking pan.

Two sheave wheels and pillow blocks for each sheave were assembled, babbited and shaftings fitted to sheaves for use with sinking hoist and sinking cage. Pinion was fitted to sinking hoist motor.

Framing of timber for shaft sets was carried on.

Sinking hoist motor and controls were installed using equipment that was on hand at the mine.

J. C. Hall
Cen'l Supt.

Original and 5 copies.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

February 29-1952

18-411 Winze Sinking Shaft

Section of Report	Item		Amount
4 - Labor			$ 1,135.34
6 - Supplies - Other:			1,203.44
Invoice:	Eureka Machy. & Supply Co.	$969.18	
	Eureka Auto Service	6.73	
	Tintic Standard Mining Co.	171.20	
	Salt Lake - Delta Frt.	1.24	
	The Lang Co.	55.09	
		$ 1,203.44	
9-C - Workmen's Compensation Insurance			78.17
11 - Other: Payroll Taxes			29.52
	Total		$ 2,446.27

Chief Consolidated Mining Company

Distribution of Shop Labor chargeable against Project 96-C D.M.A. for Month of February, 1952.

Number of Men		Name	Shifts	Base Monthly Rate	Regular Rate	Total
1	Blacksmith Shop Foreman	Earl Stewart	2-7/8	288.00		41.40
1	" (B)	Malcolm Jolley	1		12.80	12.80
1	Bull Gang	Floyd Stewart	2-1/4		12.05	27.11
1	Blacksmith (B)	Donald Finch	1/4		12.80	3.20
1	Machine Shop Foreman	Arnold Rosenlund	4-3/4	288.00		68.40
1	Machinist (B)	Charles Franks	2-7/8		12.80	36.80
1	Machinist (B)	Orris Perkins	3-5/8		12.80	46.40
1	Machinist (B)	John Coffey	2-1/2		13.05*	32.62
1	Machinist Helper	Elbert Rosenlund	9-1/2		11.30	107.35
1	Carpenter Shop Foreman	John Cronin	3-3/8	277.50		46.83
1	Carpenter, Timber Framer	Gerald Sanderson	10-1/2		12.05	126.53
1	" " "	Clarence Gourley	8		12.05	96.40
1	Chief Electrician	Alton Baker	7-1/2	351.00		131.63
1	Electrician (B)	Wayne Beck	2-1/8		12.80	27.20
1	" (B)	Lawrence Walker	8-7/8		12.80	113.60
1	Electrician Helper	Brooks Baker	1		12.05	12.05
1	Chief Underground Mech.	Sam Golovich	6-1/4	288.00		90.00
1	Machinist (B)	Verl Sanderson	4-3/4		12.80	60.80
1	Bull Gang	George Bray	4-1/2		12.05	54.22
		Total				1,135.34

*Regular occupation Hoistmen, now used as Machinist temporary.
Refer to Union Labor Agreement, page three, section nine, paragraph "B".

February 29, 1952
Eureka, Utah

Vendor: Eureka Machinery & Supply Co.
Eureka, Utah

Charge: Chief Consolidated Mining Company
Eureka, Utah

Reqn. No. 157

24 ft.	1-1/8" Rd. Mild Steel	81 lbs.	$ 7.17	
2 ft.	3/4 x 6 Mild Steel	31 lbs.	2.46	
4 ft.	3/4 x 3 Mild Steel	31 lbs.	2.62	
3 ft.	2" Square Steel	41 lbs.	3.62	$ 15.87

Reqn. No. 161

648 bd. ft.	2 x 12 Lagging	$ 52.04	
3,456 bd. ft.	6 x 8 Timber	315.14	
939 bd. ft.	8 x 8 Timber	83.83	$ 451.01

Reqn. No. 162

800 ft.	5/8" Wire Rope	$ 175.20
12 sq. yds.	Brattice Cloth	7.06
8	Fingers #280055	5.49
2	5/8" Cable Clamps	.94
2 lbs.	Cut Washers	.33
2 rolls	Marlin Twine	1.35
2 "	V. C. Tape	1.40
3 "	Friction Tape	1.26
12	150 Amp. Soldering Lugs	.86
4	1/2 x 4" Machine Bolts	.26
3	Ground Straps	.82
100 ft.	Bare Copper Wire	2.78
28	1/2 x 1-1/2" Machine Bolts	1.31
12	Wood Screws	.05
6 lbs.	Cut Washers	.98
2	1/2" Grease Cups	.20
2	1/2" Sleeves	.16
2	1/2" x 3/8" Bushings	.16
4	1/2" x 2-1/2" Machine Bolts	.22
2	3/8" Nipples	.14
6	5/16" x 1" Cap Screws	.10
18	Lock Washers	.28
12	Stove Bolts	.10
4	7/8" x 3" Cap Screws	1.38
2	5/8" x 1-1/2" Set Screws	.07
4	1/4" x 2-1/2" Cotter Keys	.02
6	Screw Knobs	1.08
2	AF7 Crouse Hinds Signal Switches	28.75
2	Faraday Bells	50.51
500 ft.	12-2 Cond. Wire	32.00

Continued

February 27, 1952
Eureka, Utah

Vendor: Eureka Machinery & Supply Co.

Charge: Chief Consolidated Mining Company

Reqn. No. 162 - Cont.

8	1/2" x 3" Lag Bolts	$ .40	
1 roll	Rubber Tape	.46	
5	W. P. Sockets	1.09	
1	30 Amp. 250 V 2 Pole Switch	2.77	
2	30 Amp. 250 V Fuses	.61	
40 lbs.	#567 Gear Lube	8.08	
40 lbs.	Cosmolube Grease #2	13.39	
4 ft.	2 15/16 Cold Rolled Shafting 92 lbs.	10.18	
3/4" x 32" x 42" Sheet Steel	275 lbs.	23.37	$ 375.61

Reqn. No. 163

2	1/8" Alemite Fittings	$ .14	
2-1/2 gal.	#10 Motor Oil	1.97	
12 Sheets	Emery Cloth	1.13	
3	5/8" Thimbles	.67	
1 lb.	Hex Nuts	.38	
12	Lock Washers	.18	
12	1/2 x 4" Machine Bolts	.79	
15 lbs.	Galv. Wire	1.16	
100 ft.	Bare Copper Wire	2.78	
2 rolls	Marlin Twine	1.35	
1 "	Friction Tape	.42	
1 "	Rubber Tape	.46	
1	Ground Strap	.27	11.70

Reqn. No. 164

95	Lock Washers	$ 1.45	
6 lbs.	Hex Nuts	2.28	
20	1/2 x 3-1/2" Machine Bolts	.93	
16	1/2" x 2-1/4" " "	.92	
30	1/2" x 2-1/2" " "	1.67	
5	5/8" Cable Clamps	2.36	9.61

	$ 863.80
Handling	86.38
Sales Tax	19.00
	$ 969.18

18-411 Winze Shaft Sinking

February 29-1952
Salt Lake City,Utah
Invoice #2242

Vendor: Eureka Auto Service,
Eureka, Utah

Charge: Chief Consolidated Mining Company,
Eureka, Utah

Feby. 1-1952 - 6 Gal. #10 Oil	@ $1.10	$ 6.60
	Sales Tax	.13
		$ 6.73 ✓

18-411 Winze Shaft Sinking

February 29-1952
Salt Lake City, Utah
Invoice

Vender: Tintic Standard Mining Company,
Dividend, Utah

Charge: Chief Consolidated Mining Company,
Eureka, Utah

Feby. 18-1952 - 214 Feet Portable Jacketed Cable
600 Volts 49 Strand 3 Conductor
Type W #4 Wire @ .80¢ $ 171.20 ✓

18-411 Winze Shaft Sinking

February 29-1952
Salt Lake City,Utah
Inv.# D-68166

Vendor: Salt Lake - Delta Freight Lines
350 So. 1st West,
Salt Lake City 4 Ut.

Charge: Chief Consolidated Mining Company,
Eureka, Utah

Feby. 12-1952 - Freight charges 1 box Connections
Salt Lake to Eureka, Utah
from Lang Company $ 1.24

18-411 Winze shaft sinking

February 29-1952
Salt Lake City, Utah
Inv.#20771

Vendor: The Lang Company
267 W 1st South
Salt Lake City 1 Utah

Charge: Chief Consolidated Mining Co.,
Eureka, Utah

4 - sets replaceable Eastman Couplings for 3/4" Hose	@ $1.12	$ 4.48
4 - #971 Swivels	@ 1.32	5.28
1 - Ref. #60 on drawing 218012 (Mark 3/8" Hose assembly #404354		44.25
		54.01
Sales Tax		1.08
Total		$ 55.09

18-411 Winze Shaft Sinking

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City , Utah

18-411 Winze Shaft Sinking

Payroll Workmen's Compensation Insurance Premium paid by
Chief Consolidated Mining Company

Month	Payroll Amount	Factor	Premium
February - 1952	$ 1,135.34	.06827	$ 78.17

Factor:
$6.827 per hundred dollars of
Payroll plus 1.00% of Premium Amount.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

Payroll Taxes incurred by Chief Consolidated Mining Company

Month	Payroll	Tax Factor	Payroll Tax
February - 1952	$1,135.34	.026	$ 29.52

Basis of Tax Factor:

Federal Old Age Insurance	.015
Utah State Unemployment	.008
Federal Excise	.003
Total	.026

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

224 New Customhouse
Denver 2, Colorado

April 23, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: MF-104 Form, Docket 1 & 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah - Project No. 1, (2700 level)

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of February, 1952, pertaining to DMA Docket 1 & 1A, Contract Idm-E4, Chief Consolidated Mining Co., for Project No. 1 (2700 level).

W. H. King
W. H. King for
J. H. East, Jr.

Enclosure

Project 1
February
Drifting 213'
One - 23/18 drift - 9-8-8
B5 of

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
APR 28 1952

Mining Division
Region IV

April 10, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1 & 1A, Contract Idm-84, Chief Consolidated Mining Co., Eureka, Utah - Operator's Monthly Progress Report for the period of February, 1952 - Project No. 1 (2700 Level)

Enclosed are the original and three copies of Form MF-104, Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended for the amount of $3,384.01, which is 50 percent of the total of $6,768.02.

W. H. KING

W. H. King

Enclosures

WT:cc
cc: DMA Contract
DMA Chron.
Secretary to the Operating Co
SRWilson
AHKoschmann (2)

Schedule DMA 52-42
April 17, 1952
$ 3384.01
WHK 4-17-52

Mining Division
Date Rec'd.
APR 7- 1952
BUREAU OF MINES
Denver, Colorado

April 3, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah. MF-104 forms for February 1952, Project 1.

Enclosed are MF-104 forms and accompanying information covering the subject project for February 1952. Work has been done in accordance with the contract, and it is recommended that payment be made to the operator as noted in the progress report.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson April 1, 1952

W. E. Young

DMA 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah. MF-104 forms for February 1952
Project 1

This project was inspected on March 28, 1952. The advances in drifts reported are correct as shown. As of this date, each drift has encountered some ore and some are now being driven in ore. Shaft sinking has been started and is progressing at the rate of about 3 feet per day. A total of 35 feet had been sunk below the bottom of the 50-foot sump on March 28.

The MF-104 forms were checked and found to be correct except for a typographical error in rate of pay per day. In section 10 of report, on sheet showing payroll calculations for subcontract, the rate shown as $17.17 per shift should be $17.77, to make the total $657.49 for 37 shifts. This will be checked at the mine on the next trip, and if the rate is found to be $17.17 as shown, the $.60 differential can be deleted from next month's total.

The company accounts were inspected and appear to be correct.

It is recommended that $3,384.01 be vouchered for payment. This is one-half the total, $6,768.02, expended during the month of February.

W. E. Young
W. E. Young

$17.77
4/3/52

MF-104
(August 1951)

COPY

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 4

Name of Operator Chief Consolidated Mining Company
Docket No. DMA 1 and 1-A Project 1
Total Contract Amount $ 63,000.00
Government Participation: 50 % Amount, $ 31,500.00
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.

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.

Chief Consolidated Mining Co.
(Name of Company)

By /s/ W. W. Watson
(Signature of Authorized Official)

March 25, 1952
(Date)

Secretary
(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]						
(b) Rented[2]						
Grouting Maching	None	536.41	536.41	---	536.41	536.41
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

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]	None	96.73	96.73	---	96.73	96.73
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	None	6.05	6.05	---	6.05	6.05
10. Contract Work	4,601.68	18,883.31	23,484.99	4601.68	18,883.31	23,484.99
11. Other (specify)						
Payroll Taxes	None	2.51	2.51	---	2.51	2.51
Applicable Compressing Etc	1,370.45	5,385.24	6,755.69	1370.45	5385.24	6755.69
" Hoisting Exp.	385.98	1,897.52	2,283.50	385.98	1897.52	2283.50
" Pumping Exp.	409.91	2,821.14	3,231.05	409.91	2821.14	3231.05
Total	6,768.02	29,628.91	36,396.93	6768.02	29,628.91	36,396.93
Deletions						
Adjusted totals						
Totals previously reported				29,628.91		
Totals to date				36,396.93		

[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 /s/ WEYoung
Amount approved for payment
Remarks

SRW WLD
$3384.01

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				6,768.02	6,768.02	Foot	213.0	663.5	876.5	1,800.0 ft.
Crosscutting										
Raising				None				126.0	126.0	300.0 ft.
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals				6,768.02	6,768.02	Foot	213.0	789.5	1,002.5	2,100.0 ft

[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

Re: DMA Docket 1 and 1A Contract Idm - E4

The following work was done during the month of February on the Chief No.1 2700 Level:

Drifting:

27/18 Drift (northmost on accompanying map) advanced	48. feet.
slabbing (31½ feet @ 1)	31½ " .
27/27 Drift (eastmost on accompanying map) advanced	74½ feet.
slabbing (36 feet @ 6)	6. " .
27/4 Drift (westmost on accompanying map) advanced	47. feet.
slabbing (12 feet @ 2)	6. " .
Total footage 2700 Level	213. feet.

Commercial ore was mined in the running of the last 35 feet of 27/18 Drift; mine car lots assayed:

Ag. 9 oz., Pb. 8%, Zn. 8%

John G. Hall
General Superintendent,
Chief Consolidated Mining Co.

March 1st, 1952.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

February 29-1952

2700 Level Exploration

Section of Report	Item		Amount
10 -	Contract Work:		$ 4,601.68
	Statements of Centennial Development Co.		
	Authorized Contractors	$ 4,601.68	
11 -	Other:		2,166.34
	Applicable Cost Service Charges Hoisting, Tramming, Compressing, Etc.	$1,370.45	
	Applicable Cost Hoisting 18-411 Winze	385.98	
	Applicable Cost Underground Pumping Cost	409.91	
		$ 2,166.34	
	Total		$ 6,768.02

INVOICE

Centennial Development Company

Mining Contractors and Engineers

EUREKA, UTAH

Chief Consolidated Mining Company
Eureka, Utah

February - 1952

F2 1M 3-8-51

2700 Level - 96E (DMA)

27/4 Drift	1,144.88	
27/18 Drift	1,717.76	
27/27 Drift	1,739.04	4,601.68

DETAIL OF COSTS

FEBRUARY - 1952

LABOR

Direct	2,973.65	
Supervision	73.38	
To Adj. Labor by Chief Cons.	.10	3,047.13
Workmen's Comp. Insurance		146.59
Social Security Taxes		82.27
Group Insurance		43.87
General Expense		18.28
a/c Payable Chief Cons.		845.21
		4,183.35
Surcharge		418.33
		4,601.68

CLASSIFICATION OF LABOR

2700 Level

February - 1952

Classification	Shifts	Rate Paid	Total Wages
Miners	38	16.25	693.50
"	37	17.17	657.49
"	34	18.02	612.68
"	38	18.50	703.00
"	1	16.20	16.20
		Total Direct Wages	2,682.87
Supervision	6	12.23	73.38
			2,756.25
		Overtime Pay	290.78
			3,047.03

弗 12.79

DETAIL OF COSTS

FEBRUARY - 1952

27/4 Drift - 96E (DMA)

LABOR

Direct	739.84	
Supervision	18.26	758.10

SUPPLIES

Explosives	124.74	
Rail & Fittings	9.06	
Pipe & Fittings	10.88	
Hose & Fittings	25.28	
Tools	3.14	
Rubber Goods	17.30	
Drill Steel	19.72 ✓	
Parts	.17 ✓	210.29

EXPENSES

Workmen's Comp. Insurance	36.47	
Social Security Taxes	20.47	
Group Insurance	10.92	
General Expense	4.55	72.41

	1,040.80
Surcharge	104.08
	1,144.88

Advance	53 ft.
Cost per ft.	21.61

DETAIL OF COSTS

FEBRUARY - 1952

27/18 Drift - 96E (DMA)

LABOR

Direct	1,110.06	
Supervision	27.39	1,137.45

SUPPLIES

Explosives	187.16	
Rail & Fittings	13.59	
Pipe & Fittings	16.32	
Hose & Fittings	37.93	
Tools	4.72	
Rubber Goods	25.96	
Drill Steel	29.59	
Parts	.25	315.52

EXPENSES

Workmen's Comp. Insurance	54.72	
Social Security Taxes	30.71	
Group Insurance	16.38	
General Expense	6.82	108.63
		1,561.60
Surcharge		156.16
		1,717.76

Advance	79½ ft.
Cost per ft.	21.61

DETAIL OF COSTS

FEBRUARY - 1952

27/27 Drift - 96E (DMA)

LABOR

Direct	1,123.75	
Supervision	27.73	
To Adj. Labor by Chief Geno.	.10	1,151.58

SUPPLIES

Explosives	189.47-	
Rail & Fittings	13.76-	
Pipe & Fittings	16.51-	
Hose & Fittings	38.40-	
Tools	4.77-	
Rubber Goods	26.28	
Drill Steel	29.95-	
Parts	.26	319.40

EXPENSES

Workmen's Comp. Insurance	55.40	
Social Security Taxes	31.09	
Group Insurance	16.57	
General Expense	6.91	109.97
		1,580.95
Surcharge		158.09
		1,739.04

Advance	80½ ft.
Cost per ft.	21.61

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

New 2700 Drift Project

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
27-4 Drift	$ 72.38	10.20	112.37	67.77	29.63	65.35	357.70
27-18 "	137.52	18.11	135.02	81.42	35.60	78.52	486.19
27-27 "	122.44	18.11	156.79	94.56	41.34	91.19	524.43
27-38 "	--	--	.87	.52	.23	.51	2.13
Total	$ 332.34	46.42	405.05	244.27	106.80	235.57	1,370.45
Basis for arriving at above proportions: Total Cost for February - 1952	$ 6,031.49	858.09	8,710.78	5,253.17	2,296.83	5,065.92	$ 28,216.28

Total Compressing Shifts for February -1952 1,578

	Shifts	Percentage of Total
27-4 Drift	19	1.20%
27-18 "	36	2.28%
27-27 "	32	2.03%
Total	87	5.51%

Total cars Ore & Waste handled during February-1952 16,858

Proportion of cars ore & waste Hoisting and Tramming to:

	Cars	Percentage of Total
27-4 Drift	218	1.29%
27-18 "	261	1.55%
27-27 "	304	1.80%
27-38 "	2	.01%
Total	785	4.65%

Total Steel Sharpening shifts for February - 1952 : 758

Proportion of Steel Sharpening shifts to:

	Shifts	Percentage of Total
27-4 Drift	9	1.19%
27-18 "	16	2.11%
27-27 "	16	2.11%
Total	41	5.41%

Summary

Drifting Charges $ 1,370.45

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

Proportion of 18-411 Winze Cost Applicable to 2700 Level Exploration

Month of February, 1952

Amount Applicable to 2700 Level Development		$ 385.98
Labor - 18-411 Winze Shaft Hoisting	$ 4,672.73	
Total Unallocated Cost	$ 4,672.73	
Cars of ore & waste hoisted by 18-411 shaft	7,570	
Cars of waste hoisted from 2700 Level Dev.	572	
Percentage of Total 7.56%		
Total unallocated costs $4,672.73 x 7.56%		$ 353.26
Electric Power cost directly allocated to 2700 Level Development $ 44.90		
$44.90 x $\frac{572}{785}$		32.72
		$ 385.98

Summary

Drifting Charges	$ 385.98

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

Proportion of Pumping Costs Applicable to 2700 Level Exploration

Month of February, 1952

Amount applicable to 2700-Level Development		$ 409.91
Total Pumping Cost for February, 1952	$ 12,080.98	
Total number of cars of ore & waste hoisted during February, 1952	16,858	
Total number of cars of waste hoisted from 2700 Level Development during February, 1952	572	
Proportion of pumping costs chargeable to 2700 Level Exploration $12,080.98 x $\frac{572}{16,858}$		$ 409.91

Summary

Drifting Charges	$ 409.91

LARGE FORMAT DOCUMENTS AT END OF FILE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

WASHINGTON 25, D. C.

April 23, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 1 & 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah - Project No. 1

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of January, 1952, pertaining to DMA Docket 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co. for Project No. 1.

W. H. King

W. H. King for
J. H. East, Jr.

Enclosure

Project 1
January 60
Drifting 133
Raising
Ore in 27/28 drift
" " 27/29 "
" " 27/37 Raise
Exp. $5729.57

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
APR 28 1952

Mining Division
Region IV

April 10, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1 & 1A, Contract Idm-Kl, Chief Consolidated Mining Co., Eureka, Utah - Operator's Monthly Progress Report, for the period of January, 1952, for Project No. 1

Enclosed are the original and three copies of Form MP-104 Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended for the amount of $2,864.78, which is 50 percent of the total of $5,729.57.

Exception is not taken to the excessive cost of advancing the 27/27 drift as the drift was widened for a passing track, which we have been informed is the company policy when ore is encountered. The benefit to the Exploration work would be more or less indirect in providing switching facilities.

W. H. KING

W. H. King

Enclosures

JWT:oc

cc: DMA Contract
DMA Chron.
SRWilson
Secretary to the Ope
AHKoschmann (2)

Schedule DMA 52-42
April 17, 1952
$2864.78

WHK
4-17-52

...ing Division
Date Rec'd.
[illegible] 7 - 1952
BUREAU OF MINES
Denver, Colorado

April 3, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah. MF-104 forms for January 1952, Project 1.

Enclosed are MF-104 forms and accompanying information covering the subject project for January 1952. Work has been done in accordance with the contract, and it is recommended that payment be made to the operator as noted in the progress report.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson April 1, 1952

W. E. Young

Docket DMA 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah. MF-104 forms for January 1952. Project 1

This project was inspected on February 15, 1952. The drift and raise advances, as shown on the map, are correct. The unit cost per foot this month has nearly doubled other previous months. The operator attributes this raise to adverse conditions due to so much water. However, it is evident that all work in this block, including ditch work, is now being charged to DMA against drifting and raising. Previously, much of this work was done on company account. The charges are justified and are within the terms of the contract.

Ore has been encountered in 27/18 drift, in 27/27 drift, and in 27/37 raise. When muck piles are of shipping grade, the ore is shipped under DMA royalty agreement. //

MF-104 forms were checked and are correct. Company accounts were checked and appear to be correct.

In section 11 of the report, the company shows prorated charges for various jobs incidental to this work on the 2700-foot level. It will be noted in the section "Proportion of cars ore and waste, Hoisting and Tramming," that 134 cars of muck were hoisted for 11 feet of advance in 27/27 drift. The normal amount of cars per foot of advance in an average drift is 4. In this instance, 12 cars were excavated. In this particular case, the drift was in ore and was consequently enlarged in this section. In cases such as these, the company is being paid footage advance for mining ore, and in addition, a prorated cost for excess ore broken and hoisted.

It is recommended that $2,864.79 be vouchered for payment. This is one-half the amount expended in January, $5,729.57.

W. E. Young

W. E. Young

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

C
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 4

Name of Operator Chief Consolidated Mining Company
Docket No. DMA 1 and 1A Project 1
Total Contract Amount $ 63,000.00
Government Participation: 50 % Amount, $ 31,500.00
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.

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.

Chief Consolidated Mining Company
(Name of Company)

By W. W. Watson
(Signature of Authorized Official)

Feb. 23, 1952
(Date)

Secretary
(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—64068-6

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]						
(b) Rented[2]						
Grunting machine	none	536.41	536.41	- -	536.41	536.41
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

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]	none	96.73	96.73	—	96.73	96.73
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other	122.40	54.39	176.79	122.40	54.39	176.79
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	none	6.05	6.05	—	6.05	6.05
10. Contract Work	4,260.88	14,622.43	18,883.31	4260.88	14,622.43	18,883.31
11. Other (specify)						
Payroll Taxes	none	2.51	2.51	—	2.51	2.51
Applicable Compressing Etc.	839.75	4,545.49	5,385.24	839.75	4545.49	5385.24
" Hoisting Exp.	236.36	1,661.16	1,897.52	236.36	1661.16	1897.52
" Pumping Exp.	270.18	2,550.96	2,821.14	270.18	2550.96	2821.14
Total	5,729.57	24,076.13	29,805.70	5729.57	24,076.13	29,805.70
Deletions						
Adjusted totals						
Totals previously reported				24,076.13		
Totals to date				29,805.70		

[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 W. E. Young SRW JVL NS
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF January - 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			122.40	3,747.67	3,870.07	Foot	60.0	603.5	663.5	1,800.0 ft.
Crosscutting										
Raising				1,859.50	1,859.50	Foot	73.0	53.0	126.0	300.0 ft.
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals			122.40	5,607.17	5,729.57	Foot	133.0	656.5	789.5	2,100.0 ft.

[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

Re: DMA Docket 1 and 1A Contract Idm - E4

The following work was done during the month of January on the Chief No.1 2700 Level:

Drifting:

27/18 Drift (northmost on accompanying map) advanced	23½ feet.
27/27 Drift (eastmost on accompanying map) advanced	6. feet.
Slabbibg- 10 feet @ ½	5. "
27/4 Drift (westmost on accompanying map) advanced	25½ feet.

Raising:

27/37 Raise (described in previous report as 27/38 Raise. Northmost raise on accompanying map.) advanced	48. feet
slabbing- 10 feet @ 1	10. "
27/39-1 Raise (near east face of 27/27 Drift) run	9. feet.
27/39-2 Raise (near east end of 27/27 Drift) run	6. feet.
Total footage 2700 Level	133. feet.

Ore discovered:

Face of 27/18 Drift assayed:
15 oz. Ag.; 12% Pb.; 26.2% Zn.

Face of 27/27 Drift assayed:
14 oz. Ag.; 7½% Pb.; 14.8% Zn.

Upper 32 feet of 27/37 Raise (previously designated as 27/38 Raise)- ore is now being mined; average assay:
14 oz. Ag.; 12% Pb.; 11% Zn.

John G Hall
General Superintendent,
Chief Consolidated Mining Co.

February 1st,1952.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

January 31-1952

2700 Level Exploration

Section of Report	Item		Amount
6 -	Supplies:		$ 122.40
	Other - Illinois Powder Mfg. Co.	$ 122.40	
10 -	Contract work:		4,260.88
	Statements of Centennial Development Co., Authorized Contractors	$4,260.88	
11-	Other:		1,346.29
	Applicable Cost Service Charges Hoisting, Tramming, Compressing Etc.	$839.75	
	Applicable Cost Hoisting 18-411 Winze	236.36	
	Applicable Cost Underground Pumping Cost	270.18	
		$1,346.29	
	Total		$ 5,729.57

Salt Lake City,Utah
Jany. 7 - 1952
Inv.#103-1

Vendor: Illinois Powder Manufacturing Co.,
611 Walker Bank Bldg.,
Salt Lake City 1 Ut.

Charge - Chief Consolidated Mining Co.,
Eureka, Utah

306 - 7' 1-$\frac{1}{4}$" Tubes Sprayed	@ .40	$ 122.40

18-411 Winze Shaft Sinking

INVOICE

Centennial Development Company

Mining Contractors and Engineers

EUREKA, UTAH

February 1, 1952

Chief Cons. Mining Company

Eureka, Utah

F2 1M 3-8-51

2700 Level - (96-E DM)

2700 ditch	301.82
27/18 drift	948.42
27/38 Raise	965.13
27/27 drift	461.36
27/39 raise	556.77
27/4 drift	1,027.38
Totals:-	4,260.88

DETAIL OF COSTS

JANUARY - 1952

2000 LEVEL - ACCOUNT 96E - DM

LABOR

Direct	2,873.99	
Supervision	89.20	
By Chief Cons.	18.16	2,981.35
Workmen's Comp. Ins.	142.56	
Soc. sec taxes	80.01	
Group Insurance	42.66	
General Expense	17.77	
a/c pay- Chief Cons.	610.82	893.82
		3,875.17
Surcharge		385.71
		4,260.88

CLASSIFICATION OF LABOR

JANUARY - 1952

2700 LEVEL - ACCOUNT 96 - E (D MA)

CLASSIFICATION	SHIFTS	RATE PAID	TOTAL WAGES
Miners	16	12.05	192.80
"	4	12.53	50.12
"	24	16.20	388.80
"	32	16.68	533.76
"	44	18.03	793.32
"	41	18.51	758.91
			2,717.71
Foreman	7-3/8	12.10	89.20
Overtime pay			108.08
Holiday Pay			48.20
			2,963.19

DETAIL OF COSTS

JANUARY - 1952

2700 Ditch - (96-E DMA)

LABOR

Direct	242.93	
Supervision	7.56	250.49

EXPENSES

Workmen's Comp. Ins.	12.05	
Social Security Taxes	6.76	
Group Insurance	3.58	
General Expense	1.50	23.89
		274.38
Surcharge		27.44
		301.82

DETAIL OF COSTS

JANUARY - 1952

27/28 Drift (96-E DMA)

LABOR

Direct	612.25	
Supervision	19.06	631.31

SUPPLIES

Explosives	68.20	
Timber	15.92	
Rail & Fittings	69.00	
Pipe & Fittings	2.30	
Hose & Fittings	1.45	
Rubber Goods	11.69	
Tools	1.35	
Sundry	.67	170.58

EXPENSES

Workmen's Comp. Ins.	30.38	
Social Security Taxes	17.04	
Group Insurance	9.10	
General Expense	3.79	60.31
		862.20
Surcharge		86.22
		948.42

Advance	23½ ft.
Cost per ft.	40.36

DETAIL OF COSTS

JANUARY - 1952

27/38 Raise (96-E DMA)

LABOR

Direct	677.23	
Supervision	21.08	698.31

SUPPLIES

Explosives	75.44	
Timber	17.61	
Pipe & Fittings	2.55	
Hose & Fittings	1.59	
Rubber Goods	12.99	
Tools	1.49	
Sundry	.74	112.35

EXPENSES

Workmen's Comp. Ins.	39.60	
Social Security Taxes	18.86	
Group Insurance	10.08	
General Expense	4.19	66.73
		877.39
Surcharge		87.74
		965.13

Advance	26 ft.
Cost per ft.	37.12

DETAIL OF COSTS

JANUARY - 1952

27/27 Drift (96-E DMA)

LABOR

Direct	286.52	
Supervision	8.92	
By Chief Cons.	18.16	313.60

SUPPLIES

Explosives	31.91	
Timber	7.45	
Rail & Fittings	31.76	
Pipe & Fittings	1.08	
Hose & Fittings	.67	
Rubber Goods	5.47	
Tools	.63	
Sundry	.31	79.28

EXPENSES

Workmen's Comp. Ins.	14.21	
Social Security Taxes	7.98	
Group Insurance	4.23	
General Expense	1.77	28.19
		421.07
Surcharge		40.29
		461.36

Advance	11 ft.
Cost per ft.	41.94

DETAIL OF COSTS

JANUARY - 1952

27/99 Raise (96-E DMA)

LABOR

Direct	390.71	
Supervision	12.16	402.87

SUPPLIES

Explosives	43.52	
Timber	10.16	
Pipe & Fittings	1.47	
Hose & Fittings	.92	
Rubber Goods	7.45	
Tools	.66	
Sundry	.43	64.61

EXPENSES

Workmen's Comp. Ins.	19.38	
Social Security Taxes	10.88	
Group Insurance	5.79	
General Expense	2.42	38.47
		506.15
Surcharge		50.62
		556.77

Advance	15 ft.
Cost per ft.	37.12

DETAIL OF COSTS

JANUARY - 1952

27/4 Drift (6½-8 DIA)

LABOR

Direct	664.35	
Supervision	20.42	684.77

SUPPLIES

Explosives	74.00	
Timber	17.27	
Rail & Fittings	73.59	
Pipe & Fittings	2.50	
Hose & Fittings	1.56	
Rubber Goods	12.68	
Tools	1.47	
Sundry	.73	183.80

EXPENSES

Workmen's Comp. Ins.	32.94	
Social Security Taxes	18.49	
Group Insurance	9.88	
General Expense	4.10	65.41
		933.98
Surcharge		93.40
		1,027.38

Advance	25½ ft.
Cost per ft.	40.29

Chief CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

New 2700 Drift Project

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
27-4 Drift	$ 48.67	5.72	50.06	65.79	18.71	62.33	$ 251.28
27-18 "	44.92	4.73	32.37	42.54	12.10	40.30	176.96
27-27 "	16.22	1.88	41.43	54.45	15.49	51.59	181.06
27-38 Raise	56.78	6.70	21.15	27.79	7.90	26.33	146.65
27-39 "	32.44	3.84	12.08	15.88	4.52	15.04	83.80
Total	$ 199.03	22.87	157.09	206.45	58.72	195.59	$ 839.75
Basis for arriving at above proportions: Total cost for January - 1952	$6,239.32	752.43	4,315.59	5,671.57	1,613.19	5,373.45	$ 23,965.55

Total Compressing Shifts for January-1952 1,536

	Shifts	Percentage of Total
27-4 Drift	12	.78%
27-18 "	11	.72%
27-27 "	4	.26%
27-38 Raise	14	.91%
27-39 "	8	.52%
Total	49	3.19%

Total Steel Sharpening Shifts for January - 1952: 491

Proportion of steel sharpening shifts to:

	Shifts	Percentage of Total
27-4 Drift	6	.76%
27-18 "	5	.63%
27-27 "	2	125%
27-38 Raise	7	.89%
27-39 "	4	.51%
Total	24	3.04%

Total Cars Ore & Waste handled during January-1952 13,918

Proportion of cars ore & waste Hoisting and Tramming to:

	Cars	Percentage of Total
27-4 Drift	162	1.16%
27-18 "	104	.75%
27-27 "	134	.96%
27-38 Raise	68	.49%
27-39 "	39	.28%
Total	507	3.64%

Summary

Drifting Charges	$ 609.30
Raising Charges	230.45
Total	$ 839.75

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

Proportion of 18-411 Winze Cost applicable to 2700 Level Exploration

Month of January - 1952

Amount applicable to 2700 Level Development			$ 236.36
Labor - 18411 Winze Shaft Hoisting		$ 3,907.47	
Total Unallocated Cost		$ 3,907.47	
Cars of ore & waste hoisted by 18-411 shaft		6,142	
Cars of waste hoisted from 2700 Level Dev.		332	
Percentage of Total	5.41%		
Total unallocated costs $3,907.47 x 5.41%			$ 211.39
Electric Power cost directly allocated to 2700 Level Development		$ 38.14	
$38.14 x 332/507			24.97
Total applicable to 2700 Level Development			$ 236.36

Summary

Drifting Charges	$ 186.36
Raising Charges	50.00
Total	$ 236.36

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

Proportion of Pumping Costs applicable to 2700 Level Exploration

Month of January - 1952

Amount applicable to 2700-Level Development		$ 270.18
Total Pumping cost for January - 1952	$11,326.56	
Total number of cars of ore & waste hoisted during January - 1952	13,918	
Total number of cars of waste hoisted from 2700 Level Development during January -1952	332	
Proportion of pumping costs chargeable to 2700 Level Exploration $11,326.56 x $\frac{332}{13,918}$	$270.18	

Summary

Drifting Charges	$ 213.03
Raising Charged	57.15
Total	$ 270.18

LARGE FORMAT DOCUMENTS AT END OF FILE

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

224 New Customhouse
Denver 2, Colorado

April 23, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 1 & 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah Project 1A -(winze sinking)

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of January, 1952, pertaining to DMA Docket 1 and 1A, Contract Idm-E4, Eureka, Utah for Project 1A.

W. H. King
W. H. King for
J. H. East, Jr.

Enclosures

January 1952
Project 1A
Preparatory work
#1435.85

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 28 1952

Mining Division
Region IV

April 10, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1 & 1A, Contract Idm-Eh, Chief Consolidated Mining Co., Eureka, Utah - Operator's Monthly Progress Report for the period of January, 1952 For Project 1A (winze sinking)

Enclosed are the original and three copies of Form MF-104, Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended for the amount of $358.96, which is 25 percent of the total of $1,435.85.

W. H. KING

W. H. King

Enclosures

JWT:oc

cc: DMA Contract
DMA Chron.
Secretary to the Ope
SRWilson
AHKoschmann (2)

Schedule DMA 52-42
April 17, 1952
$358.96
WHK 4-17-52

Mining Division
Date Rec'd.
APR 7 1952
BUREAU OF MINES
Denver, Colorado

April 3, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA 1 and 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah. MF-104 forms for January 1952, Project 1A.

Enclosed are MF-104 forms and accompanying data covering the subject project for January 1952. The property and accounts have been inspected by W. E. Young and conform with the contract and requested amendment to clarify labor schedules and wage scales.

It is recommended that repayment be made to the operator subject to approval of the above amendment request.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson April 1, 1952

W. E. Young

DMA 1 & 1A, Contract Idm-E4, Chief Consolidated Mining Co., Eureka, Utah. MF-104 forms for January 1952 Project 1A

This property was inspected on February 15, 1952. The work consists of preparation for sinking. The MF-104 forms were checked and conform to the contract.

It is recommended that $358.96 be vouchered for payment. This amount is one-fourth of the expenditures for the month, $1,435.85.

W. E. Young

W. E. Young

MF-104
(August 1951)

Budget Bureau No. 42-R1036.2.
Approval Expires 6-30-52.

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 4

Name of Operator Chief Consolidated Mining Company
Docket No. DMA 1 and 1A Project 1A
Total Contract Amount $ 140,000.00
Government Participation: 25 % Amount, $ 35,000.00
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.

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.

Chief Consolidated Mining Company
(Name of Company)

By W. W. Watson
(Signature of Authorized Official)

March 17, 1952
(Date)

Secretary
(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—64068-6

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]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

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]	289.87	1,450.15	1,740.02	289.87	1450.15	1740.02
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other	1,118.46	1,163.77	2,282.23	1118.46	1163.77	2282.23
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	19.98	90.54	110.52	19.98	90.54	110.33
10. Contract Work						
11. Other (specify)						
Payroll Taxes	7.54	37.71	45.25	7.54	37.71	45.25
Total	1,435.85	2,742.17	4,178.02	1435.85	2742.17	4177.83
Deletions						
Adjusted totals						
Totals previously reported				2742.17		
Totals to date				4177.83		

[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 W. E. Young SRW JVL NS
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF January, 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 Underground	289.87		1,118.46	27.52	1,435.85	Foot	none	none	none	400.0 ft.
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	289.87		1,118.46	27.52	1,435.85	Foot				400.0 ft.

[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

Chief Consolidated Mining Company
Eureka, Utah

February 10, 1952

Narative report covering work performed in connection with sinking 18-411 Wz. Shaft for month of January 1952.

The sinking pan to be used in mucking out 18-411 Wz. was repaired and assembled. This is a used pan that was on hand.

Framing of timber for shaft sets was done.

Hydro mucker was connected up for trial operation.

Yours very truly,

John G Hall
Gen'l Supt.

J. G. HALL/js

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Bldg.,
Salt Lake City, Utah

January 31-1952

18-411 Winze Shaft Sinking

Section of Report	Item		Amount
4 - Labor			$ 289.87
6 - Other:			1,118.46
Invoice:	Western Sales Engineering Co.	$579.22	
	" " " "	112.20	
	" " " "	6.94	
	Eureka Machy. & Supply Co.	4.92	
	" " "	415.18	
	Total	$ 1,118.46	
9 - C - Workmen's Comprensation Insurance			19.98
11 - Other: Payroll Taxes			7.54
	Total		$ 1,435.85

Chief Consolidated Mining Company,
Eureka, Utah

Distribution of Labor on Government Project 96-C for month of January - 1952

Number of Men		Name	Shifts	Base Monthly Rate	Regular Rate	Total
1 *	Blacksmith Foreman	Earl Stewart	1-¼	$288.00		$ 18.00
1	" (B)	Malcolm Jolley	1/8		12.80	1.60
1	" Helper	Floyd Stewart	¼		12.05*	3.01
1	Machinist Foreman	Arnold Rosenlund	¼	288.00		3.60
1	" (B)	John Coffey	½		13.05**	6.53
1	Carpenter Foreman	John Cronin	6-3/8	277.50		88.42
1	" (B)	Clarence Gourley	8-3/4		12.05	105.44
1	" (B)	Gerald Sanderson	5-¼		12.05	63.27
				Total		$ 289.87

* Regular Occupation - Bull Gang @ $12.05 per shift Temporarily used as Blacksmith Helper. Refer to Union Labor agreement, Page 6, Section 9, Paragraph "D".

** Regular Occupation Hoistman - Temporarily used as machinist. Refer to Union Labor Agreement, page 6 , Section 9, Paragraph "D".

Salt Lake City, Utah
Jany. 23-1952
Inv.#119

Vendor: Western Sales Engineering Co.,
375 S W Temple
Salt Lake City 1 Ut.

Charge: Chief Consolidated Mining Company,
Eureka, Utah

2 - 12ft. lengths - 6" suction hose, each length complete with part C Evertite shank couplers on one end and other end with 6" steel nipple with IPT strainer and black iron foot valve attached to withstand 200 ft. head	@	$219.43	$ 438.86
2 - Part A Evertite Adapters female thread	@	43.00	86.00
1 - Part D " coupler female thread	@	43.00	43.00
Sales Tax			11.36
			$ 579.22

18-411 Winze Shaft Sinking

Salt Lake City, Utah
Jany. 23-1952
Inv. #6202-B

Vendor: Western Sales Engineering Co.,
375 S W Temple
Salt Lake City 1 Ut.

Charge: Chief Consolidated Mining Co.,
Eureka, Utah

1 - 6" Part A Evertite Adapter		@ $43.00	$ 43.00
1 - 6" Part D " Coupler		@ 43.00	43.00
2 - 2" Part D " "		@ 8.50	17.00
2 - 2" Part A " Adapter		@ 3.50	7.00
	Sales Tax		2.20
			$ 112.20

18-411 Winze Shaft Sinking

Salt Lake City, Utah
Jany. 23-52
Inv.#6491

Vendor: Western Sales Engineering Co.,
375 S W Temple
Salt Lake City 1 Ut.

Charge: Chief Consolidated Mining Co.,
Eureka, Utah

4 - Gaskets for PartD Evertite Coupler @ $1.25 ea.	$ 5.00
6 - " " " " " 2" @ .30 ea	1.80
Sales Tax	.14
	$ 6.94

18-411 Winze Shaft Sinking

January 31, 1952
Reqn. 16
Eureka, Utah

Vendor: Eureka Machinery & Supply Co.
Eureka, Utah

Charge: Chief Consolidated Mining Company
Eureka, Utah

3	2" Sleeves	1.42
2	2" Vic. Nipples	1.49
4	1" Plugs	.45
3	3/8" Elbows	.44
4	3/8" Nipples	.28
2	1/4" "	.13
2	3/8" Sleeves	.13
1	3/8" Plug	.04
	Handling	.44
	Sales Tax	.10
	Total	$ 4.92

Sinking Pump 18-411 Winze

January 31, 1952
Reqn. 17
Eureka, Utah

Vendor: Eureka Machinery & Supply Co.
Eureka, Utah

Charge: Chief Consolidated Mining Company
Eureka, Utah

3,648	Bd.	Ft.	6 x 8 Timber	332.65
341	"	"	8 x 8 Timber	30.44
24	"	"	2 x 12 Plant	2.13
60	"	"	2 x 12 Lagging	4.82
			Handling	37.00
			Sales Tax	8.14
			Total	$ 415.18

18-411 Winze Sinking

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

18-411 Winze Shaft Sinking

Payroll Workmen's Compensation Insurance Premium paid by
Chief Consolidated Mining Company

Month	Payroll	Factor	Premium
January - 1952	$ 239.87	.06827	$ 19.98

Factor:

$6.827 per hundred dollars of
Payroll plus 1.00% of Premium Amount.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

Payroll Taxes incurred by Chief Consolidated Mining Company;

Month	Payroll	Tax Factor	Payroll Tax
January - 1952	$ 289.87	.026	$ 7.54

Basis of Tax Factor:

Federal Old Age Insurance	.015
Utah State Unemployment	.008
Federal Excise	.003
Total	.026

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

224 New Customhouse
Denver 2, Colorado

April 23, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 1 and 1A, Contract I-DMA-E4, Chief, Consolidated Mining Co., Eureka, Utah - Project 1A - Winze.

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of December, 1951, pertaining to DMA Docket 1 and 1A, Contract I-DMA-E4, Chief Consolidated Mining Co. for Project 1A-Winze.

W. H. King

W. H. King for
J. H. East, Jr.

Enclosure

December 1951
Project #1A
Preparatory Dev.
$2014.93 (25% of $40,000)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 28 1952

Mining Division
Region IV

April 2, 1952

Memorandum

To: F. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1 and 1A, Contract I-DMA-E4, Chief Consolidated Mining Co., Eureka, Utah - Operator's Monthly Progress Report for the period of December, 1951 for Project 1A - WINZE

Enclosed are the original and three copies of Form MP-104, Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended for the amount of $503.73, which is 25 percent of the total of $2,014.93.

W. H. KING

W. H. King

Enclosure
JWT:oc

cc: DMA Contract, Chron.
Secretary to the Ope
SRWilson
AHKoschmann (2)

Schedule DMA 52-42
April 17, 1952
$503.73

4-17-52

March 31, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA I & 1A, Contract I-DMA-E4, Project 1A, Chief Consolidated Mining Co., Eureka, Utah - your memorandum of February 21, 1952.

MF-104 forms covering the subject project for December 1952 have been corrected by the company and are enclosed with the progress report.

The cost of the Hydro-Mucker has been deleted from the totals. The company has submitted an amendment request to clarify labor classification and rates. It is recommended that the amount shown for repayment in the progress report be approved, subject to clarification of the above amendment request.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

S. R. Wilson February 2, 1952

W. E. Young

DMA-1A, Contract I-Dma-E4, Chief Consolidated Mining Co., Eureka, Utah

This project was inspected on January 29, 1952. Preliminary work is nearly completed and actual sinking is expected to start about February 15. The only work charged to DMA funds has been setting hoist, repairing sinking pump, repairing sinking cage, and setting up "Hydro-Mucker" shaft mucking device. Considerable work incidental to shaft sinking has been done on company account. This consists of a drift holing into the west side shaft compartment, raising six sets above the 2700-foot level for head room above this west shaft compartment, and considerable drift and raise work, incidental to handling the water in the new sump.

The work reported for the month of December has been done. The MF-104 forms have been checked and found to be correct, except for inclusion of Henry Tranks, watchman, as timber framer. No justification for this can be found in Exhibit "D" of contract or in amendment. After deleting $25.99 salary, $ 1.63 Workmen's Compensation and $ .68 payroll taxes, the amount expended is found to be $1,986.63 for the month of January. Accounts were inspected and appear to be correct. It is recommended that $496.66 be vouchered for payment. This is 25 percent of $1,986.63, the amount expended during December on Project 1-A (shaft sinking).

W. E. Young

W. E. Young

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 4

Name of Operator CHIEF CONSOLIDATED MINING COMPANY
Docket No. DMA 1&1A Project 1A
Total Contract Amount $ 140,000.00
Government Participation: 25 % Amount, $ 35,000.00
Distribution of Expenditures for Month of December, 1951

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.

CHIEF CONSOLIDATED MINING CO.
(Name of Company)

By W. W. Watson
(Signature of Authorized Official)

March 17, 1952
(Date)

Secretary
(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--64068-6

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]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

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]	909.45	540.70	1,450.15	909.45	540.70	1450.15
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other	1,025.05	138.72	1,163.77	1025.05	138.72	1163.77
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	56.78	33.76	90.54	56.78	33.76	90.54
10. Contract Work						
11. Other (specify)						
Payroll Taxes	23.65	14.06	37.71	23.65	14.06	37.71
Total	2,014.93	727.24	2,742.17	2014.93	727.24	2742.17
Deletions						
Adjusted totals						
Totals previously reported				727.24		
Totals to date				2742.17		

[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 W. E. Young SKW.
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF December, 1951

(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 Underground	909.45		1,025.05	80.23	2,014.93	Foot	None	none	none	400.0 ft.
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	909.45		1,025.05	80.23	2,014.93	Foot				400.0 ft.

[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

of Consolidated Mining Company
Eureka, Utah

January 1, 1952

Narative Report covering work performed in connection with sinking 18-411 Winze Shaft for month of December 1951.

The fitting of the sinking pump was completed, and the framework to support pump in the shaft was completed. Splash shields to protect it from dripping water were constructed and installed.

The sinking cage was repaired and assembled. This is a used cage that was on hand at the mine. The cage was re-modeled to operate with the new "Hydro-Mucker" shaft mucking device to be used in shaft sinking.

Framing of the timber for the shaft sets was started, and a blasting sheet to protect the shaft timber already in place was constructed.

Yours very truly,

John G. Hall

Gen'l Supt.

CHIEF CONSOLIDATED MINING COMPANY
605 Dooly Building,
Salt Lake City, Utah

December 31-1951

18-411 Winze Shaft Sinking

Section of Report	Item		Amount
4 - Labor			$ 909.45
6 - D-Invoice:	Tintic Lumber Co.	$ 30.60	
	Eureka Machy. & Sup.Co.	72.54	
	" " "	710.52	
	" " "	211.39	
		$1,025.05	1,025.05
9 - C Workmen's Compensation Insurance			56.78
11 - Payroll Taxes			23.65
	Total		$ 2,014.93

Chief Consolidated Mining Company
Eureka, Utah

Distribution of Labor on Government Project 96-C for month of December - 1951

Number of Men		Name	Shifts	Base Monthly Rate	Regular Rate	Total
1	- Blacksmith Foreman	Earl Stewart	6-13/16	$288.00		$ 98.10
1	" (B)	Malcolm Jolley	6-3/4		$12.80	86.40
1	" (B)	Donald Finch	1/4		12.80	3.20
1	" Helper	Floyd Stewart	1-		12.05*	12.05
1	Machinist Foreman	Arnold Rosenlund	2-½	288.00		36.00
1	" (B)	Charles Franks	4-1/8		12.80	52.80
1	" (B)	John Coffey	3-½		13.05**	45.68
1	" (B)	Orris Perkins	8-¼		12.80	105.60
1	" (C)	Robert Rosenlund	2		11.30	22.60
1	" (C)	Elbert Rosenlund	7-3/8		11.30	83.34
1	Carpenter Foreman	John Cronin	11-3/4	277.50		162.97
1	" (B)	Clarence Gourley	13-3/4		12.05	165.68
1	" (B)	Dewey Robinson	¼		12.05	3.01
1	" (B)	William Eastwood	½		12.05	6.03
1	"	Henry Tranks	2-¼		11.55***	25.99
				Total		$ 909.45

* Regular Occupation Bull Gang @ $12.05 per shift Temporarily used as Blacksmith Helper. Refer to Union Labor agreement, page6, Section 9, paragraph "D"

** Regular Occupation Hoistman - Temporarily used as machinist. Refer to union labor agreement, page 6 Section 9 paragraph "D".

*** Regular occupation non-union watchman paid at scale of $11.55 per day, Temporarily used as Carpenter Timber Framer.

Invoice #A-24622
Dec. 17-1951
Eureka, Utah

Tintic Lumber Company,
Eureka, Utah

Charge: Chief Consolidated Mining Company,
Eureka, Utah

6 - sacks Luminite Cement		$ 30.00
	Sales Tax	.60
		$ 30.60

18-411 Winze Shaft Sinking

December 31-1951
Reqn. # 43-A Eureka, Utah

Eureka Machinery & Supply Co.,
Eureka, Utah

Charge: Chief Consolidated Mining Co.,
Eureka, Utah

3/4" x 6' x 6' Sheet Steel (1101 lbs.)	$ 71.12
Sales Tax	1.42
	$ 72.54

2700 - 18-411 Winze Shaft Sinking.

December 31-1951
Reqn.#1604-5-6-
Eureka, Utah

Eureka Machinery & Supply Co.,
Eureka, Utah

Charge: Chief Consolidated Mining Company,
Eureka, Utah

2 - Cotter keys		$ .03
6 - ½" x 13/4" Machine bolts		.28
6- ¼" x 2¼" " "		.34
18 - 5/8" x 3" " "		1.54
14 - 3/4" x 2½" " "		1.60
6 - 3/4" x 3½" " "		.83
88 - Lock Washers		1.04
96 - Board ft. 2 x 12 Lagging		7.71
5248 - Board ft. 6 x 8 Timber		478.55
1621 - " " 8 x 8 "		144.71
72 - " " 2 x 12 Plank		6.38
24 ft. 1½" Rd. Mild Steel 144 lbs.		11.95
20 ft. 1¼" " " " 83 lbs.		8.47
	Handling	33.16
	Sales Tax	13.93
	Total	$ 710.52

18-411 Winze Shaft Sinking

December 31-1951
Reqn. #1607
Eureka, Utah

Eureka Machinery & Supply Co.,
Eureka, Utah

Charge: Chief Consolidated Mining Company,
Eureka, Utah

2 - lbs. Fleetweld #7	$ .28
7 - lbs. Gasket rubber	4.78
1 - ½" Plug	.05
2 - 3" Elbows	2.73
2 - 3" Nipples	.79
1 - 3" Gate valve	41.70
1 - 12" Square File	.86
4 - 5/8" x 3 " Cap screws	.36
50 - ½" x 2¼" Machine bolts	2.81
16 - ½" x 3½" " "	.74
12 - ½" x 2" " "	.68
14 - ½" x 3" " "	.79
4 - ½" x 5" " "	.30
12 - 5/8" x 3 " " "	1.02
12 - 5/8" x 2½" " "	1.07
18 - 3/4" x 3½" " "	2.06
12 - 3/4" x 3½" " "	1.66
52 - Lock Washers	.61
4 - lbs. Hex nuts	1.49
3/16" x 5' x 12' Sheet Steel (459 lbs.)	34.84
30 ft. 8" H Beam (1029 lbs.)	97.76
Handling	9.87
Sales Tax	4.14
Total	$ 211.39

18-411 Winze Shaft Sinking.

CHIEF CONSOLIDATED MINING COMPANY
Eureka, Utah

18-411 Winze Shaft Sinking

Payroll Workmen's Compensation Insurance Premium paid by
Chief Consolidated Mining Company

Month	Payroll	Factor	Premium
December - 1951	$ 909.45	.06243	$ 56.78

Factor:

$6.243 per hundred dollars of payroll
plus 1.00% of Premium amount.

CHIEF CONSOLIDATED MINING COMPANY
Eureka, Utah

18-411 Winze Shaft Sinking

Payroll Taxes incurred by Chief Consolidated Mining Company.

Month	Payroll	Tax Factor	Payroll Tax
December - 1951	$ 909.45	.026	$ 23.65

Basis of Tax Factor

Federal Old Age Insurance	.015
Utah State Unemployment	.008
Federal Excise	.003
Total	.026

9

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

224 New Customhouse
Denver 2, Colorado

March 14, 1952

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 1 & 1A, Contract I-DMA-E4, Chief Consolidated Mining Company, Eureka, Utah, Project No. 1

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of December, 1951, for Project No. 1, pertaining to DMA Docket 1 & 1A, Contract I-DMA-E4, Chief Consolidated Mining Company.

J. H. East, Jr.

J. H. East, Jr.

Enclosure

Schedule DMA 52-2

Mar 4, 1952

$1489.14

3/12/52

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 4

Name of Operator Chief Consolidated Mining Company
Docket No. DMA 1 and 1A Project 1
Total Contract Amount $ 63,000.00
Government Participation: 50 % Amount, $ 31,500.00
Distribution of Expenditures for Month of December-1951

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.

Chief Consolidated Mining Co.
(Name of Company)

By W. W. Watson SIGNED
(Signature of Authorized Official)

January 25, 1952
(Date)

Secretary
(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]						
(b) Rented[2]	None	536.41	536.41	none	536.41	536.41
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

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]	None	96.73	96.73	None	96.73	96.73
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other	None	54.39	54.39	None	54.39	54.39
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	None	6.05	6.05	None	6.05	6.05
10. Contract Work	2,039.69	12,582.74	14,622.43	2039.69	12,582.74	14,622.43
11. Other (specify)						
Payroll Taxes	None	2.51	2.51	None	2.51	2.51
Applicable Compressing, etc.	461.69	4,083.80	4,545.49	461.69	4083.80	4545..49
Applicable Hoisting Exp.	160.43	1,500.73	1,661.16	160.43	1500.73	1661..16
Applicable Pumping Exp.	316.47	2,234.49	2,550.96	316.47	2234.49	2550..96
Total	2,978.28	21,097.85	24,076.13	2978.28	21,097.85	24,076.13
Deletions						
Adjusted totals						
Totals previously reported				21,097.85		
Totals to date	2,978.28	21,097.85	24,076.13	24,076.13		

[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 W. E. Young Signed E.L.
Amount approved for payment
Remarks

Sherwood Gray E.L.

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF December-1951

(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				2,351.44	2,351.44	Foot	60.0	543.5	603.5	1,800.0ft.
Crosscutting										
Raising				626.84	626.84	Foot	16.5	36.5	53.0	300.0ft.
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals				2,978.28	2,978.28		76.5	580.0	656.5	2,100.0 ft.

[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

Schedule DMA 52-27

S. R. Wilson February 4, 1952

W. E. Young

DMA-1, Contract I-Dma-E4, Chief Consolidated Mining Co., Eureka, Utah.

This project was inspected on January 29, 1952. Little progress was made again this month in drifting and raising on the 2700-foot level. This is primarily due to the large amount of water encountered and to interference from other work preparatory to sinking. However, three level pumps have been moved to their permanent position over the new sump, and the fourth pump is in the process of being moved. After this job is completed, more work can be accomplished. The new sump is equipped with a clamshell for cleaning out the fine muck which washes into the sump. Considerable track work and ditch work has been done on the 2700-foot level to control the flow of water. This was done under company account.

The drainage of the block north of the Leadville fault is progressing satisfactorily. The workings in the overlying area on the 2600-foot level have now dried up.

The advances reported for the month of December are correct. The MF-104 forms were checked and the company records were inspected. They conform to the terms of the contract.

It is recommended that $1,489.14 be vouchered for payment. This is 50 percent of $2,978.28, the amount expended during December.

W. E. Young

W. E. Young

Re: DMA Docket 1 and 1A Contract Idm - E4

The following work was done during the month of December on the Chief No.1 2700 level.

Drifting:

27/18 Drift (northmost on accompanying map) advanced	21. feet.
27/27 Drift (eastmost on accompanying map) advanced	22. feet.
slabbing- 12 feet @ ½	6. "
27/4 Drift (most westerly on accompanying map) advanced	11. feet.

Raising:

27/38 Raise (northmost on accompanying map) run	16½ feet.
Total footage 2700 level	76½ feet

John G. Hall
General Superintendent,
Chief Consolidated Mining Co.

January 1st,1952.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

2700 Level Exploration

Section of Report	Item	Amount
10-	Statements of Centennial Development Co., Authorized Contractors	$ 2,039.69
11-	Applicable Cost Service Charges Hoisting, Tramming, Compressing, Etc.	461.69
	Applicable Cost Hoisting 18-411 Winze	160.43
	Applicable Cost Underground Pumping Cost	316.47
	Total	$ 2,978.28

INVOICE

Centennial Development Company

Mining Contractors and Engineers

EUREKA, UTAH

Chief Consolidated Mining Company
Eureka, Utah

December, 1951

F2 1M 3-8-51

2700 Level

27/4 Drift	294.60	
27/18 Drift	562.41	
27/27 Drift	749.85	
27/38 Raise	432.83	2,039.69

DETAIL OF COSTS

DECEMBER - 1951

LABOR

Direct	1,092.34	
Su pervision	35.15	1,127.49
Workmen's Comp. Ins.		54.24
Soc. Sec. Taxes		30.44
Group Insurance		16.75
General Expense		6.76
Rentals		30.00
a/c Pa yable Chief Cons.		588.58
		1,854.26
Surcharge		185.43
		2,039.69

CLASSIFICATION OF LABOR

2700 Level

December - 1951

Classification	Shifts	Rate Paid	Total Wages
Miners	40	12.05	482.00
"	38	12.53	476.14
		Total Direct Wages	958.14
		Overtime Pay	86.00
		Holiday Pay	48.20
			1,092.34
Superision	2-7/8	12.23	35.15
			1,127.49

DETAIL OF COSTS

DECEMBER - 1951

27/4 Drift

LABOR

Direct	157.08	
Supervision	5.05	162.13

SUPPLIES

Explosives	81.09	
Tools	.33	
Sundry	3.22	84.64

EXPENSES

Workmen's Comp. Ins.	7.80	
Soc. Sec. Taxes	4.38	
Group Insurance	2.41	
General Expense	.96	15.55
		262.32
Surc harge		26.78
Rentals		5.50
		294.60

Advance	11 ft.
Cost per ft.	26.78

DETAIL OF COSTS

DECEMBER - 1951

27/18 Drift

LABOR

Direct	299.85	
Supervision	9.65	309.50

SUPPLIES

Explosives	154.79	
Tools	.64	
Sundry	6.14	161.57

EXPENSES

Workmen's Comp. Ins.	14.89	
Soc. Sec. Taxes	8.36	
Group Insurance	4.60	
Ge neral Expenses	1.86	
Rc ntals	10.50	40.21
		511.28
Surcharge		51.13
		562.41

Advance	21 ft.
Cost per ft.	26.78

DETAIL OF COSTS

MONTHLY - 1941

27/27 Drift

LABOR

Direct	399.79	
Supervision	12.87	412.66

SUPPLIES

Explosives	206.39	
Tools	.85	
Sundry	8.18	215.42

EXPENSES

Workmen's Comp. Ins.	19.85	
Soc. Sec. Taxes	11.14	
Group Insurance	6.13	
General Expense	2.48	
Re ntals	14.00	53.60
		681.68
Surcharge		68.17
		749.85

Advance	28 ft.
Cost per ft.	26.23

DETAIL OF COSTS

DECEMBER - 1951

27/38 Raise

LABOR		
Direct	235.62	
Supervision	7.58	243.20
SUPPLIES		
Explosives	121.63	
Tools	.50	
Sundry	4.82	126.95
EXPENSES		
Workmen's Comp. Ins.	11.70	
Soc. Sec. Taxes	6.56	
Group Insurance	3.61	
Ge neral Expense	1.46	23.33
		393.48
Surcharg e		39.35
		432.83

Advance	16½ ft.
Cost per ft.	26.23

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah
New 2700 Drift Project

Proportion of Hoisting, Tramming, Compressing, Etc. for the month of December - 1951

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
27-4 Drift	$ 13.01	2.84	10.83	13.72	4.58	9.62	$ 54.60
27-18 "	32.76	7.06	20.79	26.34	8.80	18.46	114.21
27-27 "	59.26	11.27	27.72	35.12	11.74	24.62	169.73
27-38 Raise	26.02	5.59	16.46	20.85	6.97	14.62	90.51
27-00 Ditch	3.37	1.37	7.80	9.88	3.30	6.92	32.64
Total	$ 134.42	28.13	83.60	105.91	35.39	74.24	$ 461.69

Basis for arriving at above proportions:

Total Cost for December-1951	$ 4,817.70	980.14	4,330.70	5,486.79	1,833.84	3,846.67	$ 21,295.84

Total Compressing Shifts for Dec.-1951 1,469

Proportion of Compressing Shifts to:

	Shifts	Percentage of Total
27-4 Drift	4	.27%
27-18 "	10	.68
27-27 "	18	1.23
27-38 Raise	8	.54
27-00 Ditch	1	.07
Total	41	2.79%

Total Cars Ore & Waste handled during Dec.-1951 13,529

Proportion of cars ore & waste Hoisting and Tramming to:

	Cars	Percentage of Total
27-4 Drift	34	.25%
27-18 "	65	.48
27-27 "	86	.64
27-38 Raise	51	.38
27-00 Ditch	25	.18
Total	261	1.93%

Total Steel Sharpening Shifts for Dec.-1951 697

Proportion of Steel Sharpening Shifts to:

	Shifts	Percentage of Total
27-4 Drift	2	.29%
27-18 "	5	.72
27-27 "	8	1.15
27-38 Raise	4	.57
27-00 Ditch	1	.14
Total	20	2.87%

Summary

Drifting Charges	$338.54
Raising "	90.51
Ditch "	32.64
Total	$ 461.69

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

Proportion of 18-411 Winze Cost Applicable to 2700 Level Exploration

Month of December - 1951

Amount applicable to 2700 Level Development		$160.43
Labor- 18-411 Winze Shaft Hoisting	$4,561.54	
Total Unallocated Cost	$ 4,561.54	
Cars of ore & waste hoisted by 18-411 shaft	7,370	
Cars of waste hoisted from 2700 Level Dev.	235	
Percentage of Total 3.19%		
Total unallocated costs $4,561.54 x 3.19%		$145.51
Electric Power cost directly allocated to 2700 Level Development	$ 18.35	
$18.35 x 235/289		14.92
Total Applicable to 2700 Level Development		$ 160.43

Summary

Drifting Charges	$ 125.61
Raising Charges	34.82
Total	$ 160.43

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

Proportion of Pumping Costs applicable to 2700 Level Exploration

Month of December - 1951

Amount applicable to 2700 Level Development		$ 316.47
Total Pumping cost for December - 1951	$18,219.46	
Total number of cars of ore & waste hoisted during December - 1951	13,529	
Total number of cars of waste hoisted from 2700 Level Development during December-1951	235	
Proportion of pumping costs chargeable to 2700 Level Exploration $18,219.46 x 235 / 13,529	$ 316.47	

Summary

Drifting Charges	$ 247.79
Raising Charges	68.68
Total	$ 316.47

LARGE FORMAT DOCUMENTS AT END OF FILE

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 4

Copy

Name of Operator Chief Consolidated Mining Co.
Docket No. DMA 1 and 1A, Project 1
Total Contract Amount $ 63,000.00
Government Participation: 50 % Amount, $ 31,500.00
Distribution of Expenditures for Month of November, 1951

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.

Chief Consolidated Mining Co.
(Name of Company)

By /s/ W. W. Watson
(Signature of Authorized Official)

December 27, 1951
(Date)

Secretary
(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]						
(b) Rented[2]	536.41		536.41	536.41		536.41
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

S. R. Wilson

December 29, 1951

W. E. Young

DMA-1 and 1A, Contract I-Dma-E4, Chief Consolidated Mining Co., Eureka, Utah.

This project was inspected on December 29, 1951. As shown by MF-104 forms, very little progress was made in advancing the faces during this period. This is due primarily to the large amount of water encountered. It was found that any activity in the heading caused a large amount of silt to be carried out the drift and dropped into the sump, so this work had to be held up while preparatory work for handling the water was pushed. This work is being done on company account.

The headings were measured, and the advances reported for the month of November are correct as reported. Fair showings of mineralization have been encountered in three of the headings. Pone?

MF-104 forms have been submitted for preparatory work necessary for shaft sinking. All of the excavating for this work has been done by company account. No provisions were made for this work in the contract. The work done under DMA is installing hoist and repairing pump in preparation for sinking. This is covered by the contract and is correct as reported.

The MF-104 forms for November, 1951, have been checked and found to be correct and to conform to the contract. It is recommended that $1,658.64 be vouchered for payment on Project 1. This is 50 percent of $3,317.27, the amount expended during November.

On Project 1-A (shaft sinking) the total cost is $140,000, of which the government participates $35,000, or 1/4 the total cost. It is recommended that $181.81 be vouchered for payment. This is 25 percent of $727.24, the amount expended during November on Project 1-A (shaft sinking).

W. E. Young

W. E. Young

Re: DMA Docket 1 and 1A Contract Idm - E4

The following work was done during the month of November on the Chief No.1 2700 level.

Drifting:

27/18 Drift (northmost on accompanying map) advanced	29. feet.
27/27 Drift (eastmost on accompanying map) advanced	20. feet.
27/30 Drift (most northeasterly on accompanying map) advanced	18. feet.
slabbing- 13. feet- 6½	6½ feet.
Total footage 2700 Level	73½ feet.

Diamond drill holes (27/35 holes) (northerly from westerly end of 27/4 Drift- most westerly drift on accompanying map) (for grouting dike) :

#0 hole	32½ feet.
#1 hole	46. feet.
#2 hole	48. feet.
#3 hole	45. feet.
#4 hole	40. feet.
#5 hole	40. feet.
#6 hole	40. feet.
#7 hole	40. feet.
#8 hole	45. feet.

Total diamond drilling for grouting porphyry dike on 2700 Level 377½ feet.

John G Hall
General Superintendent,
Chief Consolidated Mining Co.

December 1st,1951.

CHIEF CONSOLICATED MINING COMPANY
608 Dooly Building,
Salt Lake City , Utah

2700 Level Exploration

Section of Report	Item	Amount
2-B	Invoice Boyles Brothers Drilling Co.	$ 536.41
4-	Labor	79.65
6-D	Invoice: Eureka Machinery & Supply Co.	11.04
	Tintic Lumber Co.	43.35
9-C	Workmen's Compensation Insurance	4.97
10-	Statements of Centennial Development Co. Authorized Contractors	1,894.59
11-	Payroll Taxes	2.07
	Applicable Cost Service Charges Hoisting, Tramming, Compressing Etc.	413.86
	Applicable Cost Hoisting 18-411 Winze	147.47
	Applicable Cost Underground Pumping Cost	183.86
	Total	$ 3,317.27

DOYLES BROS. DRILLING COMPANY
Salt Lake City, Utah

Invoice No. A 2086
Invoice Date Nov. 30, 1951
Customer's Order No. 2040

Eureka Machinery & Supply Co.
For: Chief Consolidated Mining Co.
608 Dooly Building
Salt Lake City 1

Rental	1/2 Month	$350.00	$175.00
Pickup	2 Days	5.00	10.00
	746 Miles @ 6¢		44.76
Richerson, W.	2 Days		26.40
Karlsten, R.	6 Days	25.00	150.00
Karlsten, R.	Expenses		
	Nov. 9 - 10 - 12 - 16 - 17		13.25
EX. Mechanical Packers & Inner & Outer Grout Tubes			117.00
			$536.41

New 2700 Drift Project

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

Distribution of Wages for Government Projects during November, 1951

Account 96-E

Number of Men		Man Shifts	Semi-Monthly Salary 5-day Week	Regular Rate	Total
1	Driller	6-1/8		$13.004	$ 79.65

New 2700 Drift Project

EUREKA MACHINERY AND SUPPLY COMPANY

Salt Lake City, Utah

Invoice No. 1451
Invoice Date Nov. 30, 1951

Sold to: Chief Consolidated Mining Co.
608 Dooly Building
Salt Lake City, Utah

Shipped to: Same
Eureka, Utah

1	1" Gate Valve	5.62
4	1/2" Nipples	.27
4	1/2" Elbows	.53
4	1" Nipples	.43
2	3/4" Street Elbows	.43
2	3/4" Sleeves	.26
4	3/4" Nipples	.29
2	1" Double Spuds	2.49
	Handling	.51
	Sales Tax	.21
		$ 11.04

New 2700 Drift Project

TINTIC LUMBER COMPANY, INC.

Eureka, Utah

Invoice No. A 24352
Invoice Date Nov. 9, 1951

Chief Consolidated Mining Company
608 Dooly Building
Salt Lake City, Utah

100 Sacks	Cement	1.25	$125.00
	Sales Tax		2.50
			$127.50
Less:	66 Sacks Cement @ $1.25	82.50	
	Sales Tax	1.65	84.15
			$ 43.35

For Grouting Job.

New 2700 Drift Project.

CHIEF CONSOLIDATED MINING COMPANY

Eureka, Utah

New 2700 Drift Project

Payroll Workmen's Compensation Insurance Premium Paid by Chief Consolidated Mining Company:

Month	Payroll	Factor	Premium
November, 1951	$ 79.65	.06243	$ 4.97

Factor:

$ 6.243 per hundred dollars of payroll,
plus 1.00% of Premium amount.

INVOICE

Centennial Development Company

Mining Contractors and Engineers

EUREKA, UTAH

Chief Consolidated Mining Company
Eureka, Utah

November, 1951

F2 1M 3-8-51

2700 Level (96-B) (DRA)

27/18 Drift	747.79	
27/30 Drift	691.69	
27/27 Drift	515.17	1,954.65

DETAIL OF COSTS

NOVEMBER - 1951

LABOR

Direct	1,168.11	
Supervision	34.10	1,202.21
Workmen's Comp. Ins.		57.04
Soc. Sec. Taxes	~~17.06~~	17.06
Group Insurance		14.95
s/c Payable Chief Cons.		385.94
Rentals		36.75
General Expense		7.21
		1,722.36
Surcharge		172.23
		1,894.59

Advances	73½ ft.
Cost per. ft.	25.78

Classification of Labor

2700 Level

November - 1951

Classification	Shifts	Rate Hr.	Total Hours
Miners	10	18.57	185.70
"	1	18.09	18.09
"	16	16.38	262.08
"	33	15.90	524.70
"	1	12.53	12.53
		Total Direct Wages	1,003.10
		Over Time Pay	76.61
		Holiday Pay	48.20
		Vacation Pay	40.20
			1,168.11
Supervision	2-3/4	12.40	34.10
			1,202.21

DETAIL OF COST

NOVEMBER - 1951

27/8 Drift(960')

LABOR

Direct	461.05	
Supervision	13.46	474.51

SUPPLIES

Explosives	69.95	
Timber	45.53	
Rail	2.90	
Pipe & Fittings	7.14	
Tools	4.38	
Rubber Goods	18.93	
Hose & Fittings	3.27	152.10

EXPENSES

Workmen's Comp. Ins.	22.02	
Soc. Sec. Taxes	7.05	
Group Insurance	5.90	
General Expense	2.85	
Rentals	14.50	53.12
		679.61
Surcharge		67.98
		747.79

Advance	29 ft.
Cost per. ft.	25.78

DETAIL OF COSTS

NOVEMBER - 1951

27/30 Drift (96-3)

LABOR

Direct	389.44	
Supervision	11.37	400.81

SUPPLIES

Explosives	59.03	
Timber	38.46	
Rail	2.52	
Pipe & Fittings	6.03	
Tools	3.70	
Rubber Goods	15.99	
Hose & Fittings	2.76	128.54

EXPENSES

Workmen's Comp. Ins.	19.28	
Soc. Sec. Taxes	5.95	
Group Insurance	4.98	
General Expense	2.40	
Rentals	12.25	44.86
		574.21
Sruchargo		57.42
		631.63

Advance	24½ ft.
Cost per. ft.	25.78

DETAIL OF COSTS

NOVEMBER - 1951

27/27 Drift (96-3)

LABOR

Direct	317.62	
Supervision	9.27	326.89

SUPPLIES

Explosives	48.18	
Timber	31.36	
Rail	2.06	
Pipe & Fittings	4.92	
Tools	3.01	
Rubber Goods	10.03	
Hose & Fittings	2.26	104.82

EXPENSES

Workmen's Comp. Ins.	15.74	
Soc. Sec. Taxes	4.56	
Group Insurance	4.97	
General Expense	1.96	
Rentals	10.00	36.63
		468.34
Surcharge		46.83
		515.17

Advance	20 ft.
Cost per. ft.	25.78

CHief CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

Proportion of 18-411 Winze Cost Applicable to 2700 Level Exploration

Month of November, 1951

Amount Applicable to 2700 Level Development			$ 147.47
Labor, 18-411 Winze Shaft Hoisting		$4,186.08	
Total Unallocated Cost		$4,186.08	
Cars of ore & waste hoisted by 18-411 shaft		6,814	
Cars of waste hoisted from 2700 Level Dev.		215	
Percentage of Total	3.16%		
Total unallocated costs $4,186.08 x 3.16%		132.28	
Electric Power cost directly allocated to 2700 Level Development	$16.74		
$16.74 x $\frac{215}{237}$		15.19	
Total Applicable to 2700 Level Development		$ 147.47	

Summary

Drifting Charges	$ 116.60
Ditch Charges	30.87
Total	$ 147.47

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah
New 2700 Drift Project

Proportion of Hoisting, Tramming, Compressing, Etc. for the Month of November, 1951

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
27-35 Diamond Drilling	$ 21.27	$	$	$	$	$	$ 21.27
27-18 Drift	42.53	8.88	23.67	19.50	10.14	20.18	124.90
27-30 Drift	42.53	5.92	19.99	16.47	8.57	17.05	110.53
27-27 Drift	28.87	4.39	16.32	13.45	6.99	13.91	83.93
2700 Ditch	21.27	8.88	13.88	11.43	5.94	11.83	73.23
Total	$156.47	$28.07	$73.86	$60.85	$31.64	$62.97	$413.86

Basis for arriving at above proportions:

Total Cost for Nov.	$5,063.58	$1,020.66	$4,080.52	$3,361.79	$1,747.99	$3,479.19	$18,753.73

Total Compressing Shifts for Nov., 1951 1,425

Proportion of Compressing Shifts to:

	Shifts	Percentage of Total
27-35 Diamond Drilling	6	.42
27-18 Drift	12	.84
27-30 Drift	12	.84
27-27 Drift	8	.57
2700 Ditch	6	.42
Total	44	3.09%

Total Steel Sharpening Shifts for Nov., 1951 692

Proportion of Steel Sharpening Shifts to:

	Shifts	Percentage of Total
27-18 Drift	6	.87
27-30 Drift	4	.58
27-27 Drift	3	.43
2700 Ditch	6	.87
Total	19	2.75%

Total Cars Ore & Waste handled during Nov., 1951 13,162

Proportion of cars ore & waste Hoisting and Tramming to:

	Cars	Percentage of Total
27-18 Drift	76	.58
27-30 Drift	64	.49
27-27 Drift	52	.40
2700 Ditch	45	.34
Total	237	1.81%

Summary

Drifting Charges	$ 340.63
Ditch Charges	73.23
Total	$ 413.86

CHIEF CONSOLIDATED MINING COMPANY

Eureka, Utah

New 2700 Drift Project

Payroll Taxes incurred by Chief Consolidated Mining Company

Month	Payroll	Tax Factor	Payroll Tax
November, 1951	$ 79.65	.026	$ 2.07

Basis of Tax Factor

Federal Old Age Insurance	.015
Utah State Unemployment	.008
Federal Excise	.003
Total	.026

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

Proportion of Pumping Costs Applicable to 2700 Level Exploration

Month of November, 1951

Amount Applicable to 2700 Level Development		$ 183.86
Total Pumping Cost for November, 1951	$11,255.37	
Total number of cars of ore & waste hoisted during November, 1951	13,162	
Total number of cars of waste hoisted from 2700 Level Development during November, 1951	215	
Proportion of pumping costs chargeable to 2700 Level Exploration $11,255.37 x $\frac{215}{13,162}$	$ 183.86	

Summary

Drifting Charges	$ 145.38
Ditch Charges	38.48
Total	$ 183.86

LARGE FORMAT DOCUMENTS AT END OF FILE

MONTH[illegible] SUMMARY COST STATEMENT—[illegible]tinued

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]	79.65	17.08	96.73	79.65	17.08	96.73
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other	54.39		54.39	54.39		54.39
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	4.97	1.08	6.05	4.97	1.08	6.05
10. Contract Work	1,894.59	10,688.15	12,582.74	1,894.59	10,688.15	12,582.74
11. Other (specify)						
Payroll Taxes	2.07	.44	2.51	2.07	.44	2.51
Applicable Compressing Etc.	413.86	3,669.94	4,083.80	413.86	3,669.94	4,083.80
" Hoisting Exp.	147.47	1,353.26	1,500.73	147.47	1,353.26	1,500.73
" Pumping Exp.	183.86	2,050.63	2,234.49	183.86	2,050.63	2,234.49
Total	3,317.27	17,780.58	21,097.85	3,317.27	17,780.58	21,097.85
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	3,317.27	17,780.58	21,097.85	3,317.27	17,780.58	21,097.85

[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 /s/ WEYoung srw
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF November, 1951

(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	79.65		54.39	3,183.23	3,317.27	Foot	73.5	470.0	543.5	1,800.0 ft
Crosscutting										
Raising						Foot	None	36.5	36.5	300.0 ft
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	79.65		54.39	3,183.23	3,317.27		73.5	506.5	580.0	2,100.0 ft

[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

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 4

Name of Operator Chief Consolidated Mining Co.
Docket No. DMA 1 and 1A, Project 1
Total Contract Amount $ 140,000.00
Government Participation: 25 % Amount, $ 35,000.00
Distribution of Expenditures for Month of November, 1951

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.

Chief Consolidated Mining Co.
(Name of Company)

By W. W. Waton
(Signature of Authorized Official)

December 28, 1951
(Date)

Secretary
(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]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

Chief Consolidated Mining Company
Eureka, Utah

December 27, 1951

Narative Report covering work performed in connection with sinking 18-411 Winze Shaft for month of November 1951.

The sinking pump to be used in sinking 18-411 Winze was overhauled, and assembled, and fitted for use as a sinking pump. The pump being used is a used pump that was on hand at the mine. It is a 75 horsepower deepwell type pump with 50 feet of casing and rods below the motor. A framework to support the pump in the shaft and allow it to be raised and lowered on guides as necessary was partially completed.

The sinking hoist was installed on an existing foundation and excavation on the 2500 level. This hoist is a used hoist that was on hand at the mine.

By J. G. Hall
Gen'l Supt.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building,
Salt Lake City, Utah

18-411 Winze Shaft Sinking

November 30-1951

Section of Report	Item	Amount
4-	Labor	$ 540.70
6-D	Invoice: Eureka Machinery & Supply Co.	13.84
	Eureka Machinery & Supply Co.	11.55
	Eureka Machinery & Supply Co.	113.33
9-C	Workmen's Compensation Insurance	33.76
11-	Payroll Taxes	14.06
	Total	$ 727.24

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

Distribution of Wages for Government Projects during November, 1951

Account 96-C

Number of Men		Man Shifts	Semi-Monthly Salary 5-day Week	Regular Rate	Total
1	Blacksmith Foreman	3-5/16	"		$ 47.70
	" (B)	4		12.80	51.20
1	Machinist Foreman	4	"		57.60
3	" (B)	7-1/8		12.843	91.51
	" (C)	8-7/8		11.30	100.29
1	Underground Pump Foreman	4	"		57.60
1	" Mechanic	3		12.80	38.40
2	" " Helper	8		12.05	96.40
	Total				$ 540.70

18-411 Winze Shaft Sinking

Substantiating Item No.
in Summary.
November 30-1951

Eureka Machinery & Supply Co.,
Eureka, Utah

Charge: Chief Consolidated Mining Company,
Eureka, Utah.

3/4" x 30" x 30" Sheet Steel (191 lbs.)		$ 12.34
	Handling	1.23
	Sales Tax	.27
		$ 13.84

18-411 Winze Shaft Sinking

Substantiating Item No.
in Summary.

November 30-1951

Eureka, Machinery & Supply Co.,
Eureka, Utah

Charge: Chief Consolidated Mining Company,
Eureka, Utah

4- 5/8x1½ Cap screws	$ .25
3 lbs. Hex nuts	1.12
3- sax fiement	3.76
3- ½ x 2 cap screws	.15
4 lbs. rivets	.34
24 ft. 1" rd. mild steel (64 lbs.)	5.16
Handling	.54
Sales Tax	.23
Total	$11.55

18-411 Winze Shaft Sinking

Substantiating Item No.
in Summary.

November 30-1951

Eureka Machinery & Supply Co.
Eureka, Utah

Charge: Chief Consolidated Mining Co.
Eureka, Utah

3 lbs. Hex nuts	$1.12
40 - Lock nuts	6.93
3 ft. 3/4 x 6 mild steel (46 lbs.)	3.64
8 ft. 3/4 x 3 " " (61 lbs.)	4.53
1/8" x 4' x 4' Sheet steel (80 lbs.)	7.48
1/16" x 18" x 90" " " (27 ")	2.52
5/8" x 5'4" x 8' " " (1086 lbs.)	79.60
Handling	5.29
Sales Tax	2.22
Total	$113.33

18-411 Winze Shaft Sinking

CHIEF CONSOLIDATED MINING COMPANY
Eureka, Utah

18-411 Winze Shaft Sinking

Payroll Workmen's Compensation Insurance Premium paid by Chief Consolidated Mining Company;

Month	Payroll	Factor	Premium
November - 1951	$ 540.70	.06243	$ 33.76

Factor:

$6.243 per hundred dollars of payroll.
plus 1.00% of Premium amount.

CHIEF CONSOLIDATED MINING COMAPNY
Eureka, Utah

18-411 Winze Shaft Sinking

Payroll Taxes incurred by Chief Consolidated Mining Company.

Month	Payroll	Tax Factor	Payroll Tax
November- 1951	$ 540.70	.026	$ 14.06

Basis of Tax Factor

Federal Old Age Insurance	.015
Utah State Unemployment	.008
Federal Excise	.003
Total	.026

MONTH[illegible] SUMMARY COST STATEMENT—[illegible]nued

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]	540.70	None	540.70	540.70	—	540.70
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other	138.72	None	138.72	138.72		138.72
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	33.76	None	33.76	33.76		33.76
10. Contract Work						
11. Other (specify)						
Payroll Taxes	14.06	None	14.06	14.06		14.06
Total	727.24		727.24	727.24		727.24
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date	727.24		727.24			

[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 W. E. Young
Amount approved for payment
Remarks

Sent by W.O.K.

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF November, 1951

(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, Underground	540.70		138.72	47.82	727.24	Foot	None	None	None	400.0 ft.
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	540.70		138.72	47.82	727.24					400.0 ft.

[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

MF-104
(April 1951)

COPY

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

Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

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

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

CERTIFICATION

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

Chief Consolidated Mining Company
(Name of Company)

By W. W. Watson (signed)
(Signature of Authorized Official)

November 23-1951
(Date)

Secretary
(Title)

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

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation percent 50%

Distribution of Expenditures for Month of October - 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries		17.08	17.08		17.08	17.08
Equipment purchase [1]						
Equipment rental [2]						
Buildings						
Explosives						
Repair parts						
Other supplies						
Power						
Transportation						
Withholding taxes		.44	.44		.44	.44
Compensation insurance		1.08	1.08		1.08	1.08
Other insurance						
Contract work	2,902.39	7,785.76	10,688.15	2,902.39	7,785.76	10,688.15
Other (specify)	1,749.98	5,323.85	7,073.83	1,749.98*	5,323.85	7,073.83
Total	4,652.37	13,128.21	17,780.58	4,652.37*	13,128.21	17,780.58
Totals previously reported						
Totals to date	4,652.37	13,128.21	17,780.58	4,652.37*	13,128.21	17,780.58

* Initialed RHC

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ WEYoung SRW
Amount approved for payment
Remarks

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

16—64068-1

S. R. Wilson November 29, 1951

W. E. Young

DMA-1 and 1A, Contract I-DMA-E4, Chief Consolidated Mining Co., Eureka, Utah

This project was inspected on November 27, 1951. The drifting and raising on the 2700-foot level is progressing on schedule. Although the overhead is high for the actual footage accomplished, part of this can be attributed to the fact that considerable necessary work is being done on company account and not charged to DMA funds. This work is necessary for completion of the project, but was not taken care of in the terms of the contract. It includes excavating a 10' x 10' x 50' sump for sinking, the installation of a hoist on the 2500-foot level for sinking below the 2700, preparatory work for starting the offset compartment of the shaft, and ditch work connected with taking care of the large flow of water in the 2700-level haulage drifts.

Some ore was mined in the 27/27 raise, but this work has been temporarily discontinued until the ore body can be tapped by more drift and raise headings to relieve the terrific flow of water in the stope.

The company plans to request an amendment to the contract. They have planned a way to accomplish the sinking job with a three-compartment shaft instead of a four compartment. This will require switching the pump columns across the shaft on the 2700-foot level, but should work satisfactorily.

MF-104 forms for October 1951 have been checked and found to conform to the contract. It is recommended that $2,326.19 be vouchered for payment. This is 50 percent of $4,652.37, the amount expended during October.

W. E. Young

W. E. Young

Re: DMA Docket 1 and 1A Contract Idm - E4

The following work was done during the month of October on the Chief No.1 2700 level.

Drifting:

27/4 Drift (westernmost on accompanying map) - advanced	70 feet.
27/27 Drift (easternmost on accompanying map) - advanced	11 feet.
27/30 Drift (northmost on accompanying map) - run	25½ feet.

Raising:

27/27 Raise (from 27/27 Drift-easternmost on accompanying map) - run	36½ feet.
Total footage 2700 Level	143. feet.

Ore was discovered in the 27/27 Raise (north of the porphyry dike); a pile sample from the back assayed:
2 oz.Ag., 12% Pb., 15.6% Zn.;
and ore continues to be mined from and above the 27/26 Drift, shown on accompanying map (south of the porphyry dike.)

General Manager, Chief Cons'd
Mining Company.

November 1st,1951.

Chief Consolidated Mining Company
608 Dooly Building,
Salt Lake City, Utah

2700 Level Exploration

Section of Report	Item	Amount
One -	Statements of Centennial Development Co. Authorized Contractors	$ 2,902.39
Two -	Applicable Cost Hoisting 18-411 Winze for the month of October - 1951	468.61
Three -	Applicable Cost Underground Pumping Cost for the month of October - 1951	525.09
Four -	Applicable Cost Service Charges Hoisting, Tramming, Compressing Etc., for the month of October - 1951	756.28
	Total	$4,652.37

INVOICE

Centennial Development Company

Mining Contractors and Engineers

EUREKA, UTAH

Chief Consolidated Mining Company
Eureka, Utah

October - 1951

F2 1M 3-8-51

2700 Level

27/4 Drift	1,[illegible].13	
27/27 Drift	401.81	
27/30 Drift	316.92	
27/27 Raise	717.53	2,902.39

Summary

Drifting Charges	$ 2,184.86
Raising Charges	717.53
Total	$ 2,902.39

DETAIL OF COSTS

OCTOBER-1951

LABOR

Direct	1,676.83	
Supervision	56.53	1,733.36
Workmen's Comp. Ins.		83.39
Soc. Sec. Taxes		30.44
Group Ins.		28.24
General Expense		10.40
a/c Payible Chief Cons.		696.46
Rentals		56.25
		2,638.54
Surcharge		263.85
		2,902.39

CLASSIFICATION OF LABOR

2700 Level

October - 1951

Classification	Shifts	Rate Paid	Total Wages
Miners	25½	17.77	453.13
"	17-1/4	18.25	314.81
"	29-1/8	16.13	469.79
"	23-5/8	16.61	392.41
"	1-3/4	12.05	21.09
	Total Direct Wages		1,651.23
	Over Time Pay		25.60
			1,676.83
Supervision	4-5/8	12.22	56.53
			1,733.36

DETAIL OF COSTS

OCTOBER-1951

27/4 Drift

LABOR

Direct	820.83	
Supervision	27.67	848.50

SUPPLIES

Explosives	182.99	
Timber	35.03	
Rail	25.31	
Pipe & Fittings	18.28	
Rubber Goods	24.77	
Tools	8.03	
Hose & Fittings	45.31	
Parts	.07	
Drill Oil	7.66	347.45

EXPENSES

Workmen's Comp. Ins.	40.81	
Soc. Sec. Taxes	14.90	
Group Ins.	13.82	
General Expense	5.09	
Rentals	35.00	109.62
		1,305.57
Surcharge	~~130.56~~	130.56
		1,436.13

Advance	70 ft.
Cost per ft.	20.52

DETAIL OF COSTS

OCTOBER-1951

27/27 Draft

LABOR

Direct	263.98	
Supervision	8.90	272.88

SUPPLIES

Explosives	58.84	
Timber	11.27	
Rail	8.10	
Pipe & Fittings	5.88	
Rubber Goods	7.96	
Tools	2.58	
Hose & Fittings	14.57	
Parts	.02	
Drill Oil	2.46	111.68

EXPENSES

Workmen's Comp. Ins.	13.13	
Soc. Sec. Taxes	4.79	
Group Ins.	4.46	
General Expense	1.64	
Rentals	11.25	35.27
		419.83
Surcharge		41.98
		461.81

Advance	22½ ft.
Cost Per ft.	20.53

DETAIL OF COSTS

OCTOBER-1951

27/27 Raise

LABOR

Direct	428.00	
Supervision	14.43	442.43

SUP LIES

Explosives	95.41 -	
Timber	18.77 -	
Pipe & Fittings	9.53 -	
Rubber Goods	12.21 -	
Tools	4.19 -	
Parts	.04 -	
Drill Oil	3.99 -	
Hose & Fittings	23.62 -	167.96

EXPENSES

Workmen's Comp. Ins.	21.29	
Soc. Sec. Taxes	7.77	
Group Ins.	7.30	
General Expense	2.65	
Rentals	3.00	41.21
		652.30
Surcharge	65.23	65.23
		717.53

95.5
19.65

DRIFT OF COSTS

OCTOBER-1951

27/30 Drift

LABOR

Direct	164.02	
Supervision	5.33	169.35

SUPPLIES

Explosives	36.57	
Timber	7.00	
Rail	5.00	
Pipe & Fittings	2.69	
Rubber Goods	4.95	
Tools	1.00	
Hose & Fittings	9.66	
Parts	.21	
Drill Oil	1.52	69.37

EXPENSES

Workmen's Comp. Ins.	8.16	
Soc. Sec. Taxes	2.93	
Group Ins.	2.76	
General Expense	1.02	
Rentals	7.00	21.92
		260.64
Surcharge		26.28
		286.92

Advance	14 ft.
Cost per ft.	20.49

Chief Consolidated Mining Company
608 Dooly Building,
Salt Lake City, Utah

Proportion of 18-411 Winze Cost applicable to 2700 Level Development
Month of October - 1951

Amount Applicable to 2700 Level Development			$ 468.61
Total Labor 18-411 Winze Shaft hoisting		$4,188.53	
Total Unallocated Cost		$4,188.53	
Cars of ore & waste hoisted by 18-411 Shaft	5,682		
Cars of waste hoisted from 2700 Level Development	562		
Percentage of Total	10.11%		
Total unallocated costs $4,188.53 x 10.11%			$423.46
Electric Power cost directly allocated to 2700 Level Development = $ 47.32 x 562/589			45.15
Total Applicable to 2700 Level Development			$ 468.61

Summary

Drifting Charges	$ 349.00
Raising Charges	119.61
Total	$ 468.61

Chief Consolidated Mining Company
608 Deely Building,
Salt Lake City, Utah

Proportion of Pumping costs applicable to 2700 Level Exploration
Month of October - 1951

Amount applicable to 2700 Level Development		$ 525.09
Total Pumping cost for October - 1951	$11,065.17	
Total number of cars of ore & waste hoisted during October - 1951	11,843	
Total number of cars of waste hoisted from 2700 Level Development during October - 1951	562	
Proportion of pumping costs chargeable to 2700 Level Exploration $11,065.17 x $\frac{562}{11,843}$ =	$525.09	

Summary

Drifting Charges	$ 391.06
Raising Charges	134.03
Total	$ 529.09

Chief Consolidated Mining Company
608 Dooly Building,
Salt Lake City , Utah
New 2700 Drift Project

Proportion of Hoisting, Tramming, Compressing, Etc. for the month of October - 1951

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
27-27 Drift	$ 54.32	$ 7.89	$ 86.50	$ 63.09	$ 31.71	$ 45.54	$ 289.05
27-27 Raise	39.26	5.63	20.54	14.98	7.53	10.81	98.75
27-04 Drift	93.13	13.52	76.23	55.60	27.94	40.13	306.55
27-30 Drift	23.28	3.44	13.42	9.80	4.92	7.07	61.93
Total	$ 209.99	30.48	196.69	143.47	72.10	103.55	$ 756.28

Basis for arriving at above proportions:

Total Cost for October 1951	$4,564.92	$662.63	$3,949.55	$2,880.90	$1,447.89	$2,079.25	$15,585.14

Total Compressing shifts for October - 1951 1,177

Proportion of Compressing Shifts to:

	Shifts	Percentage of Total
27-27 Drift	14	1.19%
27-27 Raise	10	.86%
27-04 Drift	24	2.04%
27-30 Drift	6	.51%
Total	54	4.60%

Total Steel Sharpening Shifts for October - 1951 588

Proportion of Steel Sharpening Shifts to :

	Shifts	Percentage of Total
27-27 Drift	7	1.19%
27-27 Raise	5	.85%
27-04 Drift	12	2.04%
27-30 Drift	3	.52%
Total	27	4.60%

Total cars of ore & waste handled during October - 1951 11,843

Proportion of cars of ore & waste for Tramming, Hoisting, Etc. to:

	Cars	Percentage of Total
27-27 Drift	259	2.19%
27-27 Raise	61	.52%
27-04 Drift	229	1.93%
27-30 Drift	40	.34%
Total	589	4.98%

Summary

Drifting Charges	$ 657.53
Raising Charges	98.75
Total	$ 756.28

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF October-1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation percent 50%

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ WEYoung
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF October - 1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation, percent 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting				3,582.45	3,582.45	Foot	106.5	363.5	470.0	1,800.ft.
Crosscutting										
Raising				1,069.92	1,069.92	Foot	36.5	none	36.5	300.0 ft.
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals				4,652.37	4,652.37		143.0	363.5	506.5	2,100.0 ft

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

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

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Checked by
Entered by
Approved by /s/ WEYoung
Remarks

MF-104
(April 1951) COPY

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

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

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

CERTIFICATION

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

Chief Consolidated Mining Company
(Name of Company)

By ?
(Signature of Authorized Official)

October 19-1951
(Date)

Vice 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—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation percent 50%

Distribution of Expenditures for Month of September - 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries		17.08	17.08		17.08	17.08
Equipment purchase [1]						
Equipment rental [2]						
Buildings						
Explosives						
Repair parts						
Other supplies						
Power						
Transportation						
Withholding taxes		.44	.44		.44	.44
Compensation insurance		1.08	1.08		1.08	1.08
Other insurance						
Contract work	2,544.55	5,241.21	7,785.76	2,544.55	5,241.21	7,785.76
Other (specify)	3,752.17	1,571.68	5,323.85	3,752.17	1,571.68	5,323.85
Total	6,296.72	6,831.49	13,128.21	6,296.72	6,831.49	13,128.21
Totals previously reported						
Totals to date	6,296.72	6,831.49	13,128.21	6,296.72	6,831.49	13,128.21

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ WEYoung WDM
Amount approved for payment 3148.36
Remarks

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

16—64068-1

Mining Division
Date Rec'd.

OCT 31 1951

BUREAU OF MINES
Denver, Colorado

October 29, 1951

Memorandum

To: S. R. Wilson

From: W. E. Young

Subject: DMA-1 and 1A, Contract IDMA-E4, Chief Consolidated Mining Co., Eureka, Utah.

The Chief Consolidated project was inspected October 25, 1951. The difficulties in the pumping set-up have been corrected and the installation is functioning properly. The work north of the Leadville fault is progressing satisfactorily against adverse water conditions. The 27-18 drift was advanced only 9 feet during September. A diamond drill has been set up in this heading to explore for ore. Ore was intersected in one up hole and a raise from coordinates 7470 N. and 8500 E. was driven to reach the ore. The 27-27 drift east was driven 103 feet during September. The ore south of the dike in 27-18 drift is being mined. The 27-4 drift was extended west 74 feet and then turned north 14 feet. At this point, a diamond drill was set up and a hole drilled to find the location of the fault. The fault was intersected at 32 feet. Holes will be drilled to grout the fault zone.

MF-104 forms for September 1951 have been checked and found to conform with the contract. It is recommended that $3,148.36 be vouchered for payment. This is 50 percent of $6,296.72, the amount expended during September.

W. E. Young

W. E. Young

Chief Consolidated Mining Company,
Eureka, Utah
Narrative Report Required in Connection with Form MF-104
Operator's Monthly Progress Report for the month
ending September - 1951

Re: DMA Docket 1 and 1A Contract Idm-E4

The following work was done during the month of September on the Chief No.1 Mine 2700 level:

Drifting:

27/18 Drift (northmost on accompanying map)

Advanced	9. feet.
14 feet of slabbing @ ½	7. "
total footage	16. "

27/4 Drift (westernmost on accompanying map)

Advanced	10.5 feet.
9 feet of slabbing @ 1/3	3. "
total footage	13.5 "

27/27 Drift (easternmost on accompanying map)
(previously called 27/27 X-cut)

Advanced	102.5 feet.
12 feet of slabbing @ 1/3	4. "
total footage	106.5 "

Total footage 2700 level 136.0 feet.

Commercial ore, encountered south of dike in 27/18 Drift, was followed easterly in 27/26 Drift- as indicated on accompanying map.

Chief Consolidated Mining Company
608 Dooly Building,
Salt Lake City, Utah

2700 Level Exploration

Section of Report	Item	Amount
One	Applicable Cost Hoisting 18-411 Winze for month of August - 1951	$ 468.22
Two	Applicable Cost Underground Pumping Cost for the month of August - 1951	821.51
Three	Statements of Centennial Development Co. Authorized Contractors	2,544.55
Four	Applicable Cost Service Charges Hoisting, Tramming, Compressing Etc. for the month of September - 1951	1,341.98
Five	Applicable Cost Hoisting 18-411 Winze for the month of September - 1951	416.43
Six	Applicable Cost Underground Pumping Cost for the month of September - 1951	704.03
	Total	$6,296.72

Section one and two were omitted from our MF 104 Report for the month of August - 1951 previously submitted.

- - -

Chief Consolidated Mining Company
Eureka, Utah

Proportion of 18-411 Winze Cost Applicable to 2700 Level Development
Month of August - 1951

Amount applicable to 2700 Level Development			$ 468.22
Total Labor 18-411 Winze shaft hoisting		$3,416.50	
Supplies		27.05	
Total Unallocated Cost		$ 3,443.55	
Cars of ore & waste hoisted by 18-411 shaft		4,975	
Cars of waste hoisted from 2700 Level Development		595	
Percentage of total 11.96%			
Total Unallocated costs $3,443.55 x 11.96%		$ 411.85	
Electric Power cost directly allocated to 2700 Level Development	$62.62		
Proportion applicable to 2700 Level Development; $62.62 x 595 / 661-Total cars ore & waste hoisted from 2700 Level		56.37	
Total applicable to 2700 Level Development		$ 468.22	

Chief Consolidated Mining Company
Eureka, Utah

Proportion of Pumping Costs applicable to 2700 Level Development
Month of August - 1951

Amount applicable to 2700 Level Development		$ 821.51
Total Pumping costs for August - 1951	$12,888.76	
Total number of cars of ore and waste hoisted during August-1951	9,335	
Total number of cars of waste hoisted from 2700 Level development during August-1951	595	
Proportion of pumping costs chargeable to 2700 Level development $12,888.76 x $\frac{595}{9335}$ =	$821.51	

Contennial Development Company September 30-1951
Eureka, Utah

Charge To: Chief Consolidated Mining Company,
Eureka, Utah

2700 Level Exploration

27-18 Drift	$ 299.50
27-27 Drift	1,992.30
27-4 Drift	252.75
Total	$ 2,544.55

Chief Consolidated Mining Company,
Eureka, Utah

Statements of Centennial Development Company,
Eureka, Utah
Authorized Contractor

Classification of Labor

2700 Level Exploration

September - 1951

Classification	Shifts	Rate	Total Wages
Miners	1 7/8	$12.05	$ 22.59
"	1/2	16.96	8.48
"	13 1/2	23.80	312.37
"	15 7/8	23.32	370.20
"	15 1/2	20.66	320.23
"	15 7/8	21.14	335.60
Supervision	3 3/4	12.14 ?	45.52
Holiday Pay	4 1/4	12.05	51.21
Overtime			21.27
		Total Wages	$1,487.47

LARGE FORMAT DOCUMENTS AT END OF FILE

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF September - 1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation percent 50%

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ WEYoung
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF September - 1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation, percent 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting				6,296.72	6,296.72	Foot	136.0	227.5	363.5	1,800.0 ft
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals				6,296.72	6,296.72		136.0	227.5	363.5	1,800.0 ft

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

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

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Checked by
Entered by
Approved by /s/ WEYoung
Remarks

MF-104
(April 1951)

COPY

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

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

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

CERTIFICATION

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

Chief Consolidated Mining Co.
(Name of Company)

By (signed) W. W. Watson
(Signature of Authorized Official)

Sept. 25, 1951
(Date)

Secretary
(Title)

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

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation percent 50%

Distribution of Expenditures for Month of _____

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries		17.08	17.08		17.08	17.08
Equipment purchase [1]						
Equipment rental [2]						
Buildings						
Explosives						
Repair parts						
Other supplies						
Power						
Transportation						
Withholding taxes		.44	.44		.44	.44
Compensation insurance		1.08	1.08		1.08	1.08
Other insurance						
Contract work	4,101.90	1,139.31	5,241.21	4,101.90	1,139.31	5,241.21
Other (specify)	1,214.84	356.84	1,571.68	1,214.84	356.84	1,571.68
Total	5,316.74	1,514.75	6,831.49	5,316.74	1,514.75	6,831.49
Totals previously reported						
Totals to date	5,316.74	1,514.75	6,831.49			

FOR GOVERNMENT USE ONLY

Checked by _____
Entered by _____
Approved by (signed) WEYoung WDM SRW
Amount approved for payment _____
Remarks _____

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

16—64068-1

NARRATIVE REPORT REQUIRED IN CONNECTION WITH FORM MF 104
OPERATOR'S MONTHLY PROGRESS REPORT FOR THE MONTH
ENDING AUGUST 31, 1951

Re: DMA Docket 1 and 1A Contract Idm - E4

The following work was done during the month of August on the Chief No. 1 Mine 2700 level.

Drifting:

27/16 Drift (westernmost on accompanying map) - advanced	44 feet
13.0 feet of slabbing @ 1/2	6.5 "
total footage	50.5 "

27/18 Drift (easternmost on accompanying map) - advanced	111.5 feet
27/27 X - Cut advanced	15 "
total	126.5 "

Total footage 2700 level 177.0 feet

Commercial ore encountered south of dike in 27/18 drift as indicated on map.

INVOICE

Centennial Development Company

Mining Contractors and Engineers

EUREKA, UTAH

Chief Consolidated Mining Company
Eureka, Utah

August-1951

F2 1M 3-8-51

2700 Level

27/16 Drift	1,163.46	
27/18 Drift	2,591.46	
27/18 X-Cut	346.98	
		4,101.90

DETAIL OF COSTS

AUGUST-1951

LABOR

Direct	2,157.74	
Supervision	102.34	2,260.08
Workmen's Comp. Ins.		108.73
Soc. Sec. Taxes		61.02
Group Insurance		46.65
Rentals		88.50
General Expense		12.96
A/C Payable Chief Cons.		1,152.85
		3,730.79
Surcharges		371.11
		4,101.90

[illegible] OF LABOR

[illegible]

[illegible] - 1951

Classification	Hours	Rate Paid	Total Earn
Miners	1-3/4	(11.5)	21.92
do	10-3/4	12.05	129.54
do	31-0	16.89	523.59
do	23-1/4	17.37	403.65
do	30-0	17.50	525.00
do	27-0	18.06	487.62
	126-3/4	Straight time	2,1[illegible].10
		Overtime	9.64
Foreman	8-1/2	12.04	102.34
Totals-	135-1/4		2,[illegible]

Distribution

Heading	Minutes	Per cent	Base Pay	Premium	Total
27/16 drift	50.5 ft	28.5%	614.96	29.16	644.12
27/12 drift	111.5 ft	63.0%	1359.38	64.48	1423.86
27/13 Xcut	15.0 ft	8.5%	183.40	8.70	192.10
	177.0 ft	100.0	2157.74	102.34	2260.08

DETAIL OF COSTS

AUGUST-1951

27/18 X-Cut

LABOR

Direct	183.40	
Supervision	8.70	192.10

SUPPLIES

Explosives	38.11	
Timber	17.51	
Pipe & Rittings	1.09	
Rail & Fittings	22.20	
Drill Steel	2.90	
Tools	1.75	
Rubber Goods	11.56	
Drill Grease	.99	
Sundry	.23	96.34

EXPENSES

Workmen's Comp. Ins.	9.24	
Soc. Sec. Taxes	5.19	
Group Insurance	3.97	
General Expense	1.10	
Rental on Jumbo	7.50	27.00
		315.44
Surcharges		31.54
		346.98

Advance	15 ft.
Cost per ft.	23.13

DETAIL OF COSTS

AUGUST-1951

27/18 Drift

LABOR

Direct	1,359.38	
Supervision	64.48	
By Chief Cons,	19.65	1,443.51

SUPPLIES

Explosives	282.47	
Timber	129.77	
Pipe & Fittings	8.04	
Rail & Fittings	164.53	
Drill Steel	21.45	
Tools	13.01	
Rubber Goods	85.65	
Drill Grease	7.30	
Sundry	1.68	713.90

EXPENSES

Workmen's Comp. Ins.	68.50	
Soc. Sec. Taxes	38.44	
Group Insurance	29.39	
General Expense	8.17	
Rental on Jumbo	55.75	200.25
		2,357.66
Surcharges		233.80
		2,591.46

Advance	111½ ft.
Cost per ft.	23.24

DETAIL OF COSTS

AUGUST-1951

27/16 Drift

LABOR

Direct	614.96	
Supervision	29.16	644.12

SUPPLIES

Explosives	127.78	
Timber	58.70	
Pipe & Fittings	3.64	
Rail & Fittings	74.44	
Drill Steel	9.71	
Tools	5.88	
Rubber Goods	38.75	
Sundry	.76	
Drill Grease	3.30	322.96

EXPENSES

Workmen's Comp. Ins.	30.99	
Soc. Soc. Taxes	17.39	
Group Insurance	13.29	
General Expense	3.69	
Rental on Jumbo	25.25	90.61
		1,057.69
Surcharge		105.77
		1,163.46

Advance	50½ ft.
Cost per ft.	23.04

CHIEF CONSOLIDATED MINING COMPANY
Eureka, Utah

New 2700 Drift Project

Proportion of Hoisting, Tramming, Compressing, Etc., for the Month of August, 1951

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
27-16 Drift	$ 85.40	$ 36.16	$ 66.65	$ 80.52	$ 27.04	$ 55.20	$ 350.97
27-18 Drift	234.96	99.35	153.85	185.86	62.42	127.43	863.87
Total	$ 320.36	$ 135.51	$ 220.50	$ 266.38	$ 89.46	$ 182.63	$ 1,214.84

Basis for Arriving at above proportions:

Total Cost for August, 1951	$ 4,424.88	$ 1,755.37	$ 3,114.38	$ 3,762.49	$ 1,263.50	$ 2,579.59	$ 16,900.21

Total Compressing Shifts for August, 1951:- 1,242
Proportion of Compressing Shifts to:

	Shifts	Percentage of Total
27-16 Drift	24	1.93 %
27-18 Drift	66	5.31 %
Total	90	7.24 %

Total Steel Sharpening Shifts for August, 1951: 583
Proportion of Steel Sharpening Shifts to:

	Shifts	Percentage of Total
27-16 Drift	12	2.06 %
27-18 Drift	33	5.66 %
Total	45	7.72 %

Total cars ore and waste handled during August, 1951:- 9,335
Proportion of cars ore and waste for Tramming, Hoisting, Etc., to:

	Cars	Percentage of Total
27-16 Drift	200	2.14 %
27-18 Drift	461	4.94 %
Total	661	7.08 %

LARGE FORMAT DOCUMENTS AT END OF FILE

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF August

Name of operator Chief Consolidated Mining Company
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation percent 50%

Type	Number	Man-Shifts	Rate	Total
Miners			$	$
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total	None	None		None

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by (signed) WEYoung WDM
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF August, 1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation, percent 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting				5,316.74	5,316.74	Foot	177.0	50.5	227.5	1,800.0 ft
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals				5,316.74	5,316.74	Foot	177.0	50.5	227.5	1,800.0 ft

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ WEYoung WDM
Remarks

MF-104
(April 1951)

COPY

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

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

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

CERTIFICATION

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

Chief Consolidated Mining Company
(Name of Company)

By ?
(Signature of Authorized Official)

August 28-1951
(Date)

Vice 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—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project 1
Total contract amount $63,000.00
Government participation percent 50%

Distribution of Expenditures for Month of June 15 to July 31-1951

2700 Level Drifting

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	17.08		17.08	17.08		17.08
Equipment purchase [1]						
Equipment rental [2]						
Buildings						
Explosives						
Repair parts						
Other supplies						
Power						
Transportation						
Withholding taxes	.44		.44	.44		.44
Compensation insurance	1.08		1.08	1.08		1.08
Other insurance						
Contract work	1,139.31		1,139.31	1,139.31		1,139.31
Other (specify)	356.84		356.84	356.84		356.84
Total	1,514.75		1,514.75	1,514.75		1,514.75
Totals previously reported						
Totals to date	1,514.75		1,514.75	1,514.75		1,514.75

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by WDMcMillan (signed)
Amount approved for payment
Remarks

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

16—64068-1

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

2700 Level Drifting

SUMMARY OF COSTS
From June 15, 1951 to July 31,1951

Section of Report	Item	Amount
One	Wages Paid by Chief Consolidated Mining Co.	$ 17.08
Two	Payroll Taxes Incurred by Chief Consolidated Mining Co.	.44
Three	Compensation Insurance paid by Chief Consolidated Mining Co.	1.08
Four	Statements of Centennial Development Company	1,139.31
Five	Proportion of Air, Hoisting and Tramming Expense	356.84
	Total	$1,514.75

Chief Consolidated Mining Company

Account 96-E "Summary (2718) (Constructing Boom)

Number of Men			Man Shifts	Semi-Monthly Salary 5-day week	Regular Rate	Rate Differential	Premium Rate	Total
1	Blacksmith	Foreman	3/8				19.95	$ 7.48
1	"	(B)	1/2				19.20	9.60
		Total Account 96-E						$17.08

CHIEF CONSOLIDATED MINING COMPANY
Eureka, Utah
New 2700 Drift Project

Payroll Taxes incurred by Chief Consolidated Mining Company.

Month	Payroll per Section One	Tax Factor	Payroll Tax
July - 1951	$ 17.08	.026	$ .44

Basis of Tax Factor

Federal Old Age Insurance	.015
Utah State Unemployment	.008
Federal Excise	.003
Total	.026

CHIEF CONSOLIDATED MINING COMPANY
Eureka, Utah

New 2700 Drift Project

Payroll Workmen's Compensation Insurance Premium paid by Chief Consolidated Mining Company;

Month	Payroll per Section One	Factor	Premium
July - 1951	$ 17.08	.06243	$ 1.08

Factor:

$6.243 per hundred dollars of payroll.

Centennial Development Company
Eureka, Utah

Charge to: Chief Consolidated Mining Co.,
Eureka, Utah

June 30-1951

27-18 Drift:

Labor:		
Direct	$168.48	
Supervision	5.62	$ 174.10
Supplies:		
Timber	44.86	
Rail & Fittings	134.02	178.88
Expenses:		
Liability Insurance	8.10	
Soc. Sec. Taxes	4.55	
Group Insurance	2.79	
General Expense	1.40	16.84
		369.82
Surcharges		36.98
Total		$406.80

Advance 13.0 ft.

Cost per foot $31.29

Detail of Labor Charges

2 shifts	@ $16.05	$ 32.10
6 "	@ 15.57	93.42
1 "	@ 14.00	14.00
2 "	@ 14.48	28.96
		$ 168.48

Supervision 1/2 shift $ 5.62

Centennial Development Company
Eureka, Utah

Charge to : Chief Consolidated Mining Co.,
Eureka, Utah

July 31-1951

DETAIL OF COSTS

JULY - 1951

27/18 Drift

LABOR

Miners - 10 Shifts @ 14.00	140.00		
" - 22 Shifts @ 14.01	308.22		
Holiday- 3 " @ 12.05	36.15		
	484.37		
Foreman - 1 7/16 Shifts ?	17.56	501.93	

SUPPLIES

Explosives	58.80	
Pipe Fittings	3.99	
Rubber Goods	16.11	
Iron & Steel	36.02	114.92

EXPENSES

Workmen's Comp. Ins.	24.15	
Soc. Sec. Taxes	13.55	
Group Insurance	8.37	
General Expense	3.00	49.07
		665.92
Surcharges		66.59
		732.51

Advances 37 ½ ft.

Cost per foot $19.53

detail

CHIEF CONSOLIDATED MINING COMPANY
Eureka, Utah

JUNE 30-1951

New 2700 Drift Project

Proportion of Hoisting, Tramming, Compressing Etc.,
for the month of June - 1951

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
27-18 Drift	$21.73	$3.02	$8.37	$18.80	$4.56	$6.79	$ 63.27
Total Cost for June-1951	$4,939.69	$717.95	$3,101.29	$6,963.37	$1,687.08	$2,515.84	$19,925.22

Basis for arriving at above proportions:

Total Compressing shifts for June - 1951 1,372

Proportion of Compressing shifts to:

	Shifts	Percentage of total
27-18 Drift	6	.44%

Total Steel Sharpening shifts for June-1951-707

Proportion of Steel Sharpening shifts to :

	Shifts	Percentage of Total
27-18 Drift	3	.42%

Total cars ore & waste handled during June 1951 - 11,884

Proportion of cars ore & waste Hoisting and Tramming to:

	Cars	Percentage of Total
27-18 Drift	32	.27%

CHIEF CONSOLICATED MINING COMPANY JULY 31-1951
Eureka, Utah

New 2700 Drift Project

Proportion of Hoisting, Tramming, Compressing Etc.
for the month of July - 1951

	Compressing	Sharpen Steel	Underground Tramming	Hoisting	Cage Riders	Surface Tramming	Total
27-18 Drift	$97.49	$17.45	$70.22	$30.53	$30.33	$47.55	$293.57

Basis for arriving at above proportions:

Total Cost for July-1951	$3,350.19	$548.75	$2,988.45	$1,299.21	$1,290.32	$2,023.54	$11,500.46

Total Compressing Shifts for July - 1951 - 1,103 ?

Proportion of Compressing Shifts to:

	Shifts	Percentage of Total
27-18 Drift	32	2.91%

Total Steel Sharpening Shifts for July - 1951 - 503 ?

Proportion of Steel Sharpening shifts to:

	Shifts	Percentage of Total
27-18 Drift	16	3.18%

Total cars Ore & Waste handled during July - 1951 7,864 ?

Proportion of cars Ore & Waste Hoisting and Tramming to:

	Cars	Percentage of Total
27-18 Drift	185	2.35%

LARGE FORMAT DOCUMENTS AT END OF FILE

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF June 15 to July 31-1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A Project
Total contract amount $63,000.00
Government participation percent 50%

Type	Number	Man-Shifts	Rate	Total
Miners			$	$
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths "B"	1	3/8	19.95	7.48
~~Carpenters~~	1	1/2	19.20	9.60
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total				$17.08

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by (signed) WDMcMillan
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF June 15 to July 31-1951

Name of operator: Chief Consolidated Mining Co.
Project No. DMA: 1 and 1A Project 1
Total contract amount: $63,000.00
Government participation, percent: 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting	17.08			1,497.67	1,514.75	foot	50.5	none	50.5	1,800 ft.
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	17.08			1,497.67	1,514.75					

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by (signed) WDMcMillan
Remarks

Mining Division
Date Rec'd.
SEP 21 1951
BUREAU OF MINES
Denver, Colorado

September 20, 1951

Air Mail

Memorandum

To: Paul T. Allsman, Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA Dockets 1 and 1A, Chief Consolidated Mining Co. Contracts I-DMA-E4. Report covering MF-104 forms for periods December 1950 through July 31, 1951; June 13 to June 27, 1951; and June 15 to July 31, 1951.

W. E. Young inspected the Chief property at Eureka, Utah, on July 20, 1951, and again on September 17, 1951. The major items of equipment listed in the Exploration Project Contract were identified as installed on the property. Installation of electrical lines, pumps, and water columns were traced both on the surface and underground. A detailed inspection was made on the pumping system and its operation. Some difficulty has been encountered with the Victaulic spiralweld pipe.

The MF-104 forms for the periods December 1950 through July 31, 1951; June 13 to June 27, 1951; and June 15 to July 31, 1951, have been checked by W. E. Young and myself. We have concluded that payment should be made as indicated, subject to errors found in auditing the accounts. Major equipment items purchased and installed on the property are as shown in the MF-104 forms. Numerous small items, many of which are classed as expendable, have not been checked in detail on the property. It appears reasonable that these have been purchased and placed in use on the project.

Stephen R. Wilson

Orig. Signed

MF-104
(April 1951) COPY

Bud[redacted]
App.oval expires 8-31-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

OK

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

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

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

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

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

CERTIFICATION

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

Chief Consolidated Mining Company
(Name of Company)

By ?
(Signature of Authorized Official)

June 30, 1951
(Date)

Vice President and General Manager
(Title)

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

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Chief Consolidated Mining Co.
Project No. DMA DMA 1 and 1-A
Total contract amount $463,420.00
Government participation percent 50%

Distribution of Expenditures for Month of June 13-27, 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	98,310.37	none	98,310.37	98,310.37	None	98,310.37
Equipment purchase [1]						
Equipment rental [2]						
Buildings						
Explosives						
Repair parts						
Other supplies						
Power						
Transportation						
Withholding taxes						
Compensation insurance						
Other insurance						
Contract work						
Other (specify)						
Total	98,310.37	None	98,310.37	98,310.37	None	98,310.37
Totals previously reported	None	None	None	None	None	None
Totals to date	98,310.37	None	98,310.37	98,310.37	None	98,310.37

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by (signed) WDMcMillan
Amount approved for payment
Remarks

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF June 13-27, 1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA DMA 1 and 1-A
Total contract amount $463,420.00
Government participation percent 50%

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

The only labor reported herein is that of the contractor, H. P. Foley and Co. Distributions of their payrolls are attached hereto, as part of their invoices submitted to us.

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by (signed) WDMcMillan
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF June 13 to 27, 1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA DMA 1 and 1-A
Total contract amount $463,420.00
Government participation, percent 50%

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

This report is confined to equipment purchases and contracted installation costs. None of the exploration footage covered by the contract has been started as of this date.

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by (signed) WDMcMillan
Remarks

MF-104
(April 1951)

COPY

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

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

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

CERTIFICATION

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

Chief Consolidated Mining Company
(Name of Company)

By ?
(Signature of Authorized Official)

August 20, 1951
(Date)

Vice 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—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A as amended
Total contract amount $463,420.00
Government participation percent 50%

Distribution of Expenditures for Month of December, 1950 thru July 31, 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries						
Equipment purchase [1]	$142,474.51	$98,310.37	$240,784.88	142,395.22	98,310.37	240,705.59
Equipment rental [2]						
Buildings						
Explosives						
Repair parts						
Other supplies						
Power						
Transportation						
Withholding taxes						
Compensation insurance						
Other insurance						
Contract work						
Other (specify)						
Total	$142,474.51	$98,310.37	$240,784.88	142,395.22	98,310.37	240,705.59
Totals previously reported						
Totals to date	$142,474.51	$98,310.37	$240,784.88	142,395.22	98,310.37	240,705.59

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by (signed) WDMcMillan
Amount approved for payment
Remarks

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF Dec., 1950 thru July, 1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A as Amended
Total contract amount $463,420.00
Government participation percent 50%

Type	Number	Man-Shifts	Rate	Total
Miners			$	$
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses	See Labor Schedules Attached.			
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total				

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by (signed) WDMcMillan
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF Dec., 1950 thru July 31, 1951

Name of operator Chief Consolidated Mining Co.
Project No. DMA 1 and 1A as Amended
Total contract amount $463,420.00
Government participation, percent 50%

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

This report is confined to the purchase price of Pumping and Electrical Equipment and the installation costs thereof as recapitulated in Exhibit "B" and "C" of the Contract.

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by (signed) WDMcMillan
Remarks

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

Recapitulation of Changes in MF 104 Report dated June 13th thru June 27, 1951 as a result of attached audit:

No Adjustments.

Recapitulation of Changes in MF 104 Report dated December, 1950 thru July 31, 1951 as a result of attached audit:

Item 3, Page 34	$ .29
Item 4, Page 35	17.85
Item 23, Page 241	77.03
	$59.47

MF 104 dated June 13 - 27, 1951	$ 98,310.37
MF 104 dated December, 1950 thru July 27, 1951	142,474.51
Total	240,784.88
Less: Audit Adjustments as above	59.47
Corrected Total	$240,725.41

DISCREPANCIES IN FORM MF 104 DATED JUNE 13 THRU JUNE 27, 1951

Item 1, Page 4 - 12th Item - The extension of $216.00 M is incorrect. It should be $516.00 M.

21,140 ft. x 516.00M = $10,908.24

which makes the total amount of the 12th item of summary correct.

Item 1, Page 4 - 13th Item - Please furnish additional information on this item as the original invoice totals to $8,018.77 and not $8,162.82.

Item 2, Page 5 - The extension of the foreman's salary should be:

Number	Man Shifts	Rate	Amount
2	8 2/8	21.20	$174.90

instead of $174.80.

Overtime - 1 at $31.80 = $31.80 instead of $31.90.

Item 3, Page 17 - The extension should be $516.00M.

21,140 ft. #2/0 37 strand 1 Conductor
5 KV, 10/64 Eskerona, 5/64 Neoprene Cable at $516.00M = $10,908.24

consequently the sales tax is correct.

Item 4, Page 18 - Please furnish additional information as sales tax and total appear to be correct on original invoice from Westinghouse Electric Supply Co.

Item 5, Page 25 - The last item of Summary and Total are correct. The second item of the original invoice should read:

12 - O.B. Suspension Insulators at $2.37 each - $28.44

instead of 2.37 C.

Item 6, Page 34 - The Second Item should read:

12 O.B. Suspension Insulators at 2.37 each = $28.44 instead of
" " " 2.37 C = $28.44

Item 7 - Page 35 - The groundmen's overtime is the actual amount paid, and the difference of 3¢ is due to the computation of each man's wage individually and the adding on of the fractions of a cent.

Engineers' time should be:

42 hrs. at $2.25 per hr. (18.00 per shift) = $94.50 and
24 hrs. at $2.50 per hr. (20.00 per shift) = $60.00

instead of 8 2/8 shifts at 18.00-- $154.50

Under date of May 30, 1951 the superintendent's time should have been 7/10 of a week instead of 7/5 wk.

DISCREPANCIES IN FORM MF 104 DATED JUNE 13 THRU JUNE 27, 1951

Item 8 - Page 48 - $1.78 Deduction is for Railway Express Freight Allowance of
$1.75 plus Tax
.03

$1.78

Item 9 - Page 49 - The discount of 40% was left off the copy of the original invoice from Westinghouse Electric Co. It should read:

2 - 312 Edwards dapter Horns const. of 372 Horn	25.00 ea.	Disc. 40%	- $30.00
		Sales Tax	.60
		PP	.75
			$31.35

Item 10, Page 50 - Salt Lake Hardware Co.'s invoice should read:

1/12 doz. #3651 Star Drill at 5.80 Doz = $.48

instead of ½ #3651 Star Drill

Item 11, Page 60 - The unit price of $427.09 is for each 10 ft. length, consequently

211 - 10 ft. lengths at $427.09 = $9,011.60, and
211 - 10 ft. lengths - 2,110 ft.

DISCREPANCIES IN FORM MF 104 DATED DECEMBER, 1950 THRU JULY 31, 1951

Item 1 - Page 8 - Distribution of Government Projects for month of May, 1951

	Man Shifts	Hour Rate	Total
Blacksmith Foreman	4 5/8 (37 hrs.)	1.80	66.60
Machinist Foreman	5/8 (5 hrs.)	1.80	9.00
Underground Pump Foreman	9 (72 hrs.)	1.80	129.60
Electrician Foreman	5½ (44 hrs.)	2.19 plus	96.52
Blacksmith Foreman	8 3/4 (70 hrs.)	1.80	126.00
Machinist Foreman	7 5/8 (61 hrs.)	1.80	109.80
Electrician Foreman	4 1/4 (34 hrs.)	2.19 plus	74.59
Underground Pump Foreman	1 (8 hrs.)	1.80	14.40

Item 1 - Page 9

Blacksmith Foreman	1 7/8 (15 hrs.)	1.80	27.00
Machinist Foreman	3/4 (6 hrs.)	1.80	10.80
Electrician Foreman	2 (16 hrs.)	2.1881	35.10
Underground Pump-Foreman	1½ (12 hrs.)	1.80	21.60
Blacksmith Foreman	5½ (44 hrs.)	1.80	79.20
Machinist Foreman	6½ (52 hrs.)	1.80	93.60
Electrician Foreman	6 (48 hrs.)	2.19 plus	105.30
Underground Pump Foreman	8 (64 hrs.)	1.80	115.20

Item 1, Page 11

Machinist Foreman	2 1/8 (17 hrs.)	1.80	30.60
Electrician Foreman	5 (40 hrs.)	2.19 plus	87.75
Blacksmith Foreman	9 5/16 (74½) hrs.)	1.80	134.10
Machinist Foreman	7½ (60 hrs.)	1.80	108.00
Electrician Foreman	2 3/4 (22 hrs.)	2.19 plus	48.23
Underground Pump Foreman	* 10 (80 hrs.)	1.80	144.00

(*) Should be 10 man shifts instead of 11.

Item 2, Pages 15, 16, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28 & 33 — Regulations covering Utah State Sales Tax Collections require the tax to be paid upon the total amount of the sale which in these instances would include any mark-Ups, such as handling charges.

Item 3, Page 34 - The fifth item should be:

1,854.15 at .026 = $48.21

making the total to be $328.08

DISCREPANCIES IN FORM MF 104 DATED DECEMBER, 1950 THRU JULY 31, 1951

Item 4 - Page 35

SECTION FOUR OF REPORT

Workmen's Compensation Insurance Premium Paid by Chief Consolidated Mng. Co.

Month	Payroll per Section One	Tax Factor	Premium
Dec., 1950	367.16	.06243 plus 1% of premium	None Allocated
Jan., 1951	108.20	"	6.81
Feb., 1951	17.20	"	1.08
March, 1951	211.68	"	13.35
April, 1951	750.20	"	47.30
May, 1951	1,854.15	"	116.91
June, 1951	4,392.82	"	276.98
July, 1951	5,283.89	"	333.17
	$12,985.30		$795.60

Factor $6.243 per hundred dollars of payroll plus 1% of premium.

Item 5 - Page 40 No surcharge on Chief Labor
Page 41 " " " " "
Page 42 " " " " "
Page 45 " " " " "
Page 46 Straight 10% surcharge - no Chief Labor
Page 47 No surcharge on Chief Labor
Page 48 " " " " "
Page 53 " " " " "
Page 59 " " " " "
Page 60 " " " " "
Page 61 Straight 10% surcharge - no Chief Labor
Page 62 No Surcharge on Chief Labor
Page 63 " " " " "
Page 64 Straight 10% surcharge - no Chief Labor
Page 66 " " " " " "
Page 67 No surcharge on Chief Labor
Page 68 Straight 10% surcharge - no Chief Labor
Page 69 No surcharge on Chief Labor
Page 70 No Chief Labor - straight 10% surcharge
Page 71 " " " " " "
Page 73 " " " " " "
Page 74 " " " " " "
Page 76 " " " " " "
Page 77 " " " " " "
Page 78 No surcharge on Chief Labor
Page 79 No Chief Labor - straight 10% surcharge
Page 80 " " " " " "
Page 81 " " " " " "

DISCREPANCIES IN FORM MF 104 DATED DECEMBER, 1950 THRU JULY 31, 1951

Item 5 - Page 83 No Chief Labor - straight 10% surcharge
Page 84 No surcharge on Chief Labor
Page 85 No Chief Labor - Straight 10% surcharge
Page 86 " " " " " "
Page 87 " " " " " "
Page 88 " " " " " "
Page 89 " " " " " "
Page 90 " " " " " "
Page 91 " " " " " "
Page 92 " " " " " "
Page 93 " " " " " "
Page 95 " " " " " "
Page 96 " " " " " "
Page 97 No surcharge on Chief Labor'
Page 98 No Chief Labor - straight 10% surcharge

Our agreement with the Centennial Development Co. provides that the surcharge of 10% does not apply to any labor furnished them by Chief Co., but a 10% surcharge is to be added to all other costs incurred by them on our behalf. We do not find any of their invoices that have been submitted to us in which surcharge on Chief Labor was added to the invoice.

Item 6, Page 97 Labor should read as follows:

Item 2 -	135	shifts	at	$14.00	=	$1,890.00
" 3	45	"	"	14.48	=	651.60
" 4	5	"	"	14.64	=	73.20

Item 7, Page 108 General Electric Co. invoice should read:

3 - 9LA1033 Thyrite LTG Arresters at 742.00 ea. Discount 32% = $1,513.68

Item 8, Page 120 1% W.Z is the warehouse crating charge.

Item 9, Page 136 The fifth item should read:

4 - 1" Rigid Conduit Bushings at 64.000 - $2.56 instead of $3.84

Sales T x should be $.77 instead of $.79, making a grand total of $39.13

We have filed for credit of $1.30 which will be reflected on our subsequent MF 104's.

Item 10, Page 141 The following is a percentage breakdown applicable to payroll taxes:

Payroll Taxes -	Workmen's Compensation Ins.	2.45 %
	State Unemployment Ins.	.9
	Federal Unemployment Ins.	.3
	F. O. A. I. B.	1.5
		5.15

DISCREPANCIES IN FORM MF 104 DATED DECEMBER, 1950 THRU JULY 31, 1951

Item,10, Page 141 Cont. The following is a percentage breakdown applicable to Insurance:

Insurance -	Occupational Diseases	$ .028
	Public Liability	.278
	Property Damage	.831
	N. E. C. A. (National Electrical Association Dues)	1.
	N. E. B. F. (National Electrical Benefit Fund)	1.
		$3.137
	Total Payroll Taxes	5.15
	Total Insurance	3.137
		$8.287 %

Item 11, Page 152 - The above percentage breakdown of payroll taxes and insurance is applicable to $85.06.

DISCREPANCIES IN FORM MF 104 DATED DECEMBER, 1950
THRU JULY, 1951

Item 12 - Page 154 - The unit price is 51.56 M ft.

500 ft. - 12 Switchboard Wire at 51.56 M ft. - $25.78

Item 13 - Page 157 - Gough Industries' Invoice should read:

3 Transformers at $45.60 ea. = $136.80 instead of a quantity of 1

Item 14 - Page 166 - This is a lot price made up at the factory.

Page 168 - Unit Price is $24. per C on the electric caps.

Page 176 - Unit Price on 30 sacks of cement is $1.25 per sack = $37.50

Page 177 - Unit Price is $1.25 per sack - 30 sacks at $1.25 = $37.50

Page 178 - Unit Price is $1.25 per sack - 30 sacks at $1.25 = $37.50

Page 179 - Unit Price is $1.25 per sack - 20 sacks at $1.25 = $25.00

Page 182 - Unit Price is $1.25 per sack - 20 sacks at $1.25 = $25.00

Page 183 - Unit Price is $1.25 per sack - 30 sacks at $1.25 = $37.50

Page 184 - Unit Price is $1.25 per sack - 30 sacks at $1.25 = $37.50

Page 185 - Unit Price is $1.25 per sack - 10 sacks at $1.25 = $12.50

Item 15, Page 192 - Galigher Co. Invoice should read:

220 - 18" O.D. Victaulic Couplings, etc., at $27.994 ea.	$6,158.60
9 - 14" O.D. Victaulic Couplings, etc. at $18.424 ea.	165.82
	$6,324.42

Item 16 - Page 194 - Tintic Lumber Co. Invoice should read:

Invoice No. A23267 - 74 pieces - 1x8-14' lumber at $1.40 each = $103.60

Invoice No. A23268 - 14 pieces - 1/8-12' lumber at $1.20 each = $ 16.80
22 pieces - 3/4-16' lumber at $1.60 each = $ 35.20

Invoice No. A-23268 - Unit Price is $1.25 per sack
20 sacks at $1.25 = $25.00

Item 17 - Page 197 - Denver & Rio Grande Western Railroad Co.'s Freight bill should

DISCREPANCIES IN FORM MF 104 DATED DECEMBER, 1950
THRU JULY 31, 1951

Item 17 - Page 197- read as follows:
cont.

Weight	Rate		Freight
30300	330		$999.90
		Tax	30
			$1,000.20

We have filed for credit of $17.88 which will be reflected on our subsequent MF 104's.

Item 18 - Page 198 - The Unit Price on Gate Valves is $474.15

2 gate valves at 474.15 = $948.30

Unit Price on Gate Valves is $94.90

1 gate valve at 94.90 = $94.90

Item 19 - Page 205 - The quantity on the Westinghouse Electric Co. invoice is in error. It should read:

3 Ratio Current Transformers at $25.68 net = $77.04

Item 20 - Page 220 - The unit price on Westinghouse Elec. Co. Invoice should be $26.75.

6 Ratio at $26.75 = $160.50

Item 21 - Page 235 - The unit price is $252.98 each.

2 - 8" Gate Valves at $252.98 = $505.96

Item 22 - Page 237 - Claim for 64¢ has been made and adjustment will be reflected in subsequent MF 104's

Item 23, Page 241 - Please change second item under Underground Tramming to $107.97 making a total for Underground Tramming of $181.05

Change second item of Hoisting to $83.77, making a total for Hoisting of $140.47

Change second item of Total Column to $555.58, making a grand total of $963.35.

The work accomplished on the Electrical and pumping projects amounts to:

699 feet of drift slabbing for new pipeline.

235 1/2 feet of raising for new pipeline.

214 feet of raise slabbing for new pipeline.

26,940 cubic feet of excavation for 2300 level sump.

5800 cubic feet of excavation for 2300 level transformer room.

15 feet of drifting for 2700 level sump.

4400 cubic feet of excavation for 2700 level sump.

Both the surface and the underground transformers have been installed and two 2/0 cables run from the surface transformer at No. 2 Shaft to the 2300 sump. The 2300 sump and transformer room have been excavated and the electrical system is now about 95% complete. The pumps and pump motors have been installed in the 2300 sump and the new pipe line is 75% complete.

The sump room has been excavated on the 2700 level but the winze for the submersible pumps has yet to be sunk.

A detailed progress report with maps will accompany our June progress report.

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

Summary of Invoices submitted with report to Defense Minerals Administration for the period June 13th to June 27th, 1951, inclusive

		DMA PROJECT DMA 1 AND 1-A	
Item No.	Vendor	Amount	Date Paid
1	The Howard P. Foley Co. "Contractors"	$33,270.26	June 16, 1951
2	The Howard P. Foley Co. "Contractors"	6,067.79	June 26, 1951
3	The Howard P. Foley Co. "Contractors"	21,180.75	June 26, 1951
4	Nickerson Machinery Co.	6,541.37	June 16, 1951
5	Nickerson Machinery Co.	1,157.41	June 26, 1951
6	Nickerson Machinery Co.	16,992.00	June 26, 1951
7	Galibher Co.	12,020.32	June 16, 1951
8	Salt Lake-Delta Freight Lines	13.10	June 20, 1951
9	Salt Lake-Delta Freight Lines	22.90	June 18, 1951
10	Denver & Rio Grande Western Railroad Co.	664.90	June 21, 1951
11	General Electric Company	74.88	June 21, 1951
12	Tintic Lumber Co.	89.34	June 20, 1951
13	Railway Express Company	29.10	June 13, 1951
14	Burdick Lumber and Hardware Co.	59.67	June 15, 1951
15	Salt Lake Hardware Co.	73.30	June 26th, 1951
16	N. O. Nelson Co.	53.28	June 26, 1951
	Totals	$98,310.37	

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

THE HOWARD P. FOLEY COMPANY
510 West 1st North Street
Salt Lake City 16, Utah

SOLD TO Chief Consolidated Mining Company
Dooly Building
Salt Lake City, Utah

May 17, 1951

Attention: Mr. Watson

Invoice #3 Re: Chief Con.

Labor:		
Total Labor Week Ending 4/18/51	18.00	
Total Labor Week Ending 4/25/51	36.00	
Total Labor Week Ending 5/2/51	405.56	
Total Labor Week Ending 5/9/51	1,401.01	
Total Labor Week Ending 5/16/51	1,577.88	
	3,438.45	
Payroll Taxes & Insurance 8.287%	284.94	
		3,723.39
Travel Expense & Subsistence:		
Total Expense Week Ending 5/2/51	132.68	
Total Expense Week Ending 5/9/51	397.36	
Total Expense Week Ending 5/16/51	484.61	
		1,014.65
Total Materials Delivered to Site		49,362.98
25% of Fixed Fee		1,000.00
		55,101.02
Less:		
Previous Payment	7,522.93	
Invoice #2 Unpaid	14,307.83	21,830.76
		$33,270.26

3

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

Howard P. Foley Company
Salt Lake City 16, Utah

Chief Gen.
Surplus Invoices
Invoice #3

Supplier	P.O. No.	Invoice No.	Date	Amount
General Electric Company	8450	84321	2/10/51	67.32
General Electric Company	8433	3617	3/19/51	306.00
General Electric Company	8465	98832	3/21/51	59.46
General Electric Company	4883	16500	3/23/51	1,949.22
General Electric Company	4833	10285	4/9/51	75.31
General Electric Company	8465	21654	5/3/51	71.40
General Electric Supply Corp.	8413	11334	3/15/51	321.50
Graybar Electric Company	8412	305X8412	2/5/51	52.08
Graybar Electric Company	8412	305X8412	4/11/51	144.92
Westinghouse Electric Supply Co.	8283	149480	3/22/51	275.40
Westinghouse Electric Supply Co.	4871	148384-1	4/2/51	499.39
Westinghouse Electric Supply Co.	8283	149480-1	4/4/51	11,566.40 5,126.76
Westinghouse Electric Supply Co.	8283	149480-2	4/16/51	8,018.77 8,162.82
Westinghouse Electric Supply Co.	8283	149480-3	4/20/51	3,521.94
Westinghouse Electric Supply Co.	8283	149480-4	4/30/51	1,207.48
Westinghouse Electric Supply Co.	8283	149480-5	5/7/51	230.56
Salt Lake Hardware Company	9443	20799	5/15/51	4.30
Mine & Smelter Supply Company	9465	119350	5/11/51	140.77
				$28,532.22
				22,216.63

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

DISTRIBUTION OF HOWARD P. FOLEY COMPANY'S PAYROLL

Week Ending	Type	Number	Man Shifts	Rate	Amount	Total
April 18, 1951	Engineers	1	1	$18.00	$ 18.00	$ 18.00
April 25, 1951	Engineer	1	2	18.00	36.00	36.00
May 2, 1951	Linemen	3	6	19.20	115.20	
	Groundmen	5	6 6/8	16.80	113.40	
	Superintendent	1	2/5 Wk.	138.46	55.38	
	Foremen	1	3	21.20	63.60	
	Overtime		1/8	31.80	3.98	
	Engineer	1	3	18.00	54.00	
	Subsistence	(19 days @ $5.00)			95.00	
	Mileage	(564 miles @ .07¢($1.80 error)			37.68	538.24
May 9, 1951	Foremen	2	8 2/8	21.20	174.80	174.90
	Overtime	-	1	31.80	31.90	31.80
	Linemen	4	17 2/8	19.20	331.20	
	Overtime		3	28.80	86.40	
	Groundmen	5	25	16.80	420.00	
	Overtime		5	25.20	126.00	
	Engineer	1	4	18.00	72.00	
	Overtime		6/8	27.00	20.25	
	Supertintendent	1	1 wk.	138.46	138.46	
	Subsistence	(76 days @ $5.00)			380.00	
	Mileage	(248 miles @ .07¢)			17.36	1,798.37
May 16, 1951	Foremen	3	13	21.20	275.60	
	Overtime		3	31.80	95.40	
	Linemen	4	18	19.20	345.60	
	Overtime		4	28.80	115.20	
	Groundmen	5	25	16.80	420.00	
	Overtime		5	25.20	126.00	
	Engineer	1	5	18.00	90.00	
	Overtime		1	27.00	27.00	
	Superintendent	1	3/5 wk.	138.46	83.08	
	Subsistence	(91 days @ $5.00)			455.00	
	Mileage	(423 miles @ .07¢)			29.61	2,062.49

Total Payroll, Subsistence & Mileage	$4,453.10
Payroll Taxes and Insurance	284.94
Total	$4,738.04

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

GENERAL ELECTRIC COMPANY

Invoice No. MIWL84321 DCO
Invoice Date Feb. 10, 1951
Customer's Order No. 8450 U
Date 1/11/51

The Howard P. Foley Company
510 West First North St.
Salt Lake City, Utah

Shipped to:
The Howard P. Foley Company
c/o Chief Consolidated Mining Co.
Eureka, Utah

Terms 30 days
Date Shipped 2/2/51
From West Lynn Works PPD
SLK Car To Somersworth by Truck for Consolidation in SLK CAR

3	Cat	99X974	JY285FAB	10-5 Current Transformers	22.00 ea	22.00	66.00
				2% Utah Use Tax 5047			1.32
							67.32

3 F Bxs 38# EH

6

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

GENERAL ELECTRIC COMPANY

Invoice No. MINL 3617
March 19, 1951
Customer's Order No. 8433-64
Date 1/10/51

Sold To H. P. Foley Co.
510 West 1st North
Salt Lake City, Utah

Shipped To Chief Consolidated Mining Company
Eureka, Utah

Terms 30 days

12	9JY285FAY	Cur Transformer 99X988	25.00 ea	300.00
			Net	
			Utah Use Tax 2%	6.00
				306.00

12 FBXS-192# SMF

7

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

GENERAL ELECTRIC COMPANY

Invoice No. MIWL 98832
Invoice Date March 21, 1951
Customer's Order No. 8465-64
Date 1/13/51
Requisition No. XSLK 63217-3
MIWL 98832

Sold To The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped To You
Chief Consolidated Mining Company
Eureka, Utah

Terms 30 days

Item 3

1 Cat #407X24	Curr Transformer Type 9 J.S.5-75/5 Amp	58.29 ea	58.29
		Net	
	2% Utah Use Tax		1.17
			59.46

1 FBX 33 LBS WAC

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

GENERAL ELECTRIC COMPANY
650 Seventeenth St.
Denver 1, Colorado

Customer's Order No. 4883-64
Date 11/15/50

Reqn. No. X SLK 62410-3
17085

Invoice No. SPH16580
Invoice Date 3/23/51

Sold to: The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped to: Same c/o Chief Cons. Mining Co.
Eureka, Utah

Terms - Net Cash 30 Days

Date Shipped 3/21/51 From - Phila.

S0791980

Item 10			
2	DL-2883228-G-2 FK-33, 2500 V, 400 A.	2@	
2	DL-2883171-G-7 HA-2 Lever Each with 1 DL-6050121-G-3 Trip Coils, 5A TD	218.00 Ea.	436.00
Item 8			
3	DL-6155743-G-4 FK-142-4, 16-25, 4160 V, 600 A 3 @	356.00 Ea.	1,068.00
	3 K-2603328-G-11 Trip Coils, 5A TD 1 M-3625391-G1 Bell Alarm Switch		
1	DL-6155743-G-4 FK-142-4.16-25, 4160 V, 600 A 1 @	407.00 Ea.	407.00
1	DL-6158446-G-2 HC-5 Lever with 3 K-2603328-G-11 Trip Coils, 5 A TD 1 M-3625391-G-1 Bell Alarm Switch 1 DL-6158055-G-1 Pot. Trip Unit with 1 K-6275084-G-22 Trip Coil, 230 V, 60 Cy.	Net	1,911.00
	Tax 2%		38.22
	S Completing 972 lbs. Reg. #5047		1,949.22

C O P Y

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

GENERAL ELECTRIC SUPPLY COMPANY
650 Seventeenth St.
Denver 1, Colorado

Customer's Order No. 8433-64

Date 1/10/51
G.E. Reqn. No. XSLK 63088-1
Milw. 10285

Sold to: The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped to: Chief Con. Mining Co.
Eureka, Utah

Terms - Net Cash 30 Days
Date Shipped 4/4/51 From - West Lynn, Chicago Car

Item 2

3	9JY285FAV	Cur. Transformer 99X985			
		23.00 Ea. x 1.07 Ea.	24.61	Ea.	73.83
		Utah Tax			1.48
					75.31

3 F BXS 48# EH

CTG AH 3/16/849

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

GENERAL ELECTRIC COMPANY

Invoice No. SP 121654
Invoice Date 5/3/51
Customer's Order No. 8465-64
Date 1/13/51
Requisition No. SLK-63217-2
26321

Sold To The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped To The Howard P. Foley Company
c/o Chief Consolidated Mining Co.
Eureka, Utah

Terms: 30 days

SO-785317

Item 2

1	121AC66A1A Rated 2.5/5 AMP Time Delay Relay	70.00 Ea Net	70.00
		Utah Use Tax 2%	1.40
			71.40

M Complete 16 lbs.

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SUBSTANTIATING ITEM NO. 1
OF SUMMARY

GENERAL ELECTRIC SUPPLY CORPORATION
310 W. Second South St.
Salt Lake City 12, Utah

Register No. SLU 11354 DG
Invoice Date 3/15/51
Customers Order No. 8413U64
Date 1/9/51

Charge to H. P. Foley Company
510 West 1st North
Salt Lake City

Ship to H. P. Foley Company
c/o Chief Consolidated Mining Company
Eureka, Utah

6	6106610-G62	400A 5KV Dis Switch	27.80	166.80
3	6106610-G6	200 AMP 5 KV Disc Switches	41.00	123.00
2	6119957-G3	Switch Hooks	12.70	25.40
				315.20
		Utah Tax		6.30
				321.50

SLU 17 GB

12

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

GRAYBAR ELECTRIC COMPANY, INC.
245 South First West Street
Salt Lake City 13, Utah

Invoice No. 22 1-9 305 X 9412
Invoice Date 2/5/51
Customer's Order No. 8412 U 64

Sold To Howard P. Foley Co.
510 West 1st North
Salt Lake City, Utah

Shipped To Howard P. Foley Co.
c/o Chief Cons. Mine
Eureka, Utah

R 23	8603 Turnbuckles	222.000	51.06
	Utah Tax		1.02
			52.08

+ Supplies

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

GRAYBAR ELECTRIC COMPANY, INC.
245 South First West St.
Salt Lake City 13, Utah

Invoice No. 22 1/9 305X8412
Invoice Date 4/11/51
Customer's Order No. 8412 U 64

Sold To:

Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped To:

Howard P. Foley Co.
c/o Chief Consolidated Mine
Eureka, Utah

1208 Lb.	#9 Iron BB Tele Wire	15.65 cwt.	189.05
		Utah Tax	3.78
			192.83
		Less Frt. Allowance	46.51
			146.32
		Less 3% Frt. Tax	1.40
			144.92

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

WESTINGHOUSE ELECTRIC SUPPLY COMPANY
Salt Lake City Branch

Invoice No. DS12 149480
Invoice Date 3/22/51
Customer's Order No. 8283-U-64

Charge To The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped To Same
c/o Chief Cons. Mine
Eureka, Utah

45	Units 16-3-4 #2 USCOLITE SPLICE HOUSING MAX. DIMENSION CABLE REEL 43" x 48" PUT MAX. LENGTH POSSIBLE ON THIS REEL	6.00 ea	270.00
		Sales Tax	5.40
			275.40

5

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

WESTINGHOUSE ELECTRIC SUPPLY COMPANY
Salt Lake City, Utah

Invoice No. DS12-148804-1
Invoice Date 4/2/51
Customer's Order No. 4871-U-64
11-14-50

Charge To The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped To The Howard P. Foley Company
c/o Chief Cons. Mining Company
Eureka, Utah

6	1533190	(W)	Type SV Arrestors	81.60 ea	489.60
				Sales Tax	9.79
					499.39

16

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

WESTINGHOUSE ELECTRIC SUPPLY COMPANY
Salt Lake City, Utah

Invoice No. DS12 149480-1
Invoice Date 4/4/51
Customer's Order No. 8283-U-64

Charge To The Howard P. Foley Company
510 West 1st North
Salt Lake City

Shipped To Same
c/o Chief Cons. Mine
Eureka, Utah

21140	Ft. #2/0, 37 Strand 1 Conductor 5KV, 10/64 Eskerona, 5/64 Neoprene Cable	216.00M	4,566.24 10,908.24
20	36" Reels, A5563, C 1617, B 2064, C 7587 B7821, E4595, G2385, E1482, C8988, E2062 A3442, A4620, G4341, G1343, G3823, G2403 G2310, G1221, E705, C7355	15.00 Ea.	300.00
4	48" Reels, E3811, C836, E3839, G3059	40.00 Ea.	160.00
	Sales Tax on Cable		108.62 218.16
			11,586.40
			5,126.96

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

WESTINGHOUSE ELECTRIC SUPPLY COMPANY
Salt Lake City, Utah

Invoice No. DS12-149480-2
Invoice Date 4-16-51
Customer's Order No. 8283-U-64

Charge To The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped To The Howard P. Foley Company
c/o Chief Cons. Mine
Eureka, Utah

14860'	#2/0, 37 Strand, 1 Conductor 5 KV, 10/64 Eskorona, 5/64 Neoprene Cable	516.00 M	7,667.76
17	36" Reels G3284, G569, 56230 G4014, C9234, G4020, B7147, G4015, G4145, A5072, G4098, G4019, 60915, G2139, G1053, G8422, A3630	15.00 Ea.	255.00
2	48" Reels A7658, A5429	40.00 Ea.	80.00
	Sales Tax		165.06 16.01
			8,018.77
			8,162.82

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

WESTINGHOUSE ELECTRIC SUPPLY COMPANY
Salt Lake City, Utah

Invoice No. DS12-149480-3
Invoice Date 4/20/51
Customer's Order No. 8283-U-64

Charge To The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped to The Howard P. Foley Company
c/o Chef Cons. Mine
Eureka, Utah

9	36" Reels B1851 E1098 C3067 G551 A5793 G4205 A5968 B7276	15.00 Ea.	135.00
6430	Ft. #2/0, 37 Strand, 1 Conductor 5 KV, 10/64 Eskerona, 5/64 Neoprene Cable	516.00 M	3,317.88
	Sales Tax		69.06
			3,521.94

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

WESTINGHOUSE ELECTRIC SUPPLY COMPANY
Salt Lake City, Utah

Invoice No. DS12-149480-4
Invoice Date 4/30/51
Customer's Order No. 8283-U-64

Charge To The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped To The Howard P. Foley Company
c/o Chief Cons. Mine
Eureka, Utah

2207	Ft. #2/0, 37 Strand, 1 Conductor 5 KV, 10/64 Eskerona, 5/64 Neoprene Cable	516.00 M	1,138.81
3	36" Reels A134-G4163 G-4072	15.00	45.00
	Sales Tax		23.67
			1,207.48

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

WESTINGHOUSE ELECTRIC SUPPLY COMPANY
Salt Lake City, Utah

Invoice No. DS12-149480-5
Invoice Date 5/7/51
Customer's Order No. 8283-U-64

Charge To The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped To The Howard P. Foley Company
c/o Chief Cons. Mine
Eureka, Utah

409'	#2/0, 37 Strand, 1 Conductor 5 KV, 10/64 Eskerona, 5/64 Neoprene Cable	516.00 M	211.04
1	36" Reel #E2597	15.00 Ea.	15.00
	Sales Tax		4.52
			230.56

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

THE SALT LAKE HARDWARE COMPANY

Your Order No. 9443U64
Invoice Date - 5/15/51
Our Invoice No. 29799
Salesman Dickman
Discount Terms 2/10
Will Call

Sold To: The Howard P. Foley Company
P. O. Box 2435
City

1/3 doz.	2 Gal. Eagle Open Top Water Bag	12.65 doz.	4.22
	Utah Sales Tax		.08
			4.30

SUBSTANTIATING ITEM NO. 1
OF SUMMARY

THE MINE & SMELTER SUPPLY COMPANY
121 West 2nd South St.
Salt Lake City 1, Utah

Date Shipped 5/11/51
Invoice No. 119358
Via - S.L. & Delta
Terms - 2/10/30
F.O.B. Salt Lake City
Cust. Order No. 9465

Sold to: The Howard P. Foley Co.
510 West 1st North
City

Shipped to: The Howard P. Foley Company
c/o Chief Cons. Mining Co.
Eureka, Utah

168	(6 pcs.)	1/2" 42 x 96 IM Transite Board	82.15 C Sq.Ft.	138.01
		Sales Tax		2.76
				140.77

SUBSTANTIATING ITEM 2
OF SUMMARY

THE HOWARD P. FOLEY COMPANY

510 West 1st North Street
Salt Lake City 16, Utah

May 31, 1951

Sold To Chief Consolidated Mining Co.
Dooly Building
Salt Lake City, Utah

Invoice #4 Re: Chief Con.

Labor:			
Total Labor Week Ending 5/23/51	1,521.66		
Total Labor Week Ending 5/30/51	1,694.72		
	3,216.38		
Payroll Taxes & Insurance 8.287%	266.54		
		3,482.92	
Travel Expense & Subsistence:			
Total Expenses Week Ending 5/23/51	461.20		
Total Expenses Week Ending 5/30/51	576.66		
		1,037.86	
Material Delivered to Site		1,547.01	
			$ 6,067.79

SUBSTANTIATING ITEM 2
OF SUMMARY

THE HOWARD P. FOLEY COMPANY
Salt Lake City 16, Utah

CHIEF CON.

Suppliers' Invoices

Invoice #4

Supplier	P. O. No.	Invoice No.	Date	Amount
General Electric Company	8465	12942	5/22/51	250.92
General Electric Company	4883	23888	5/19/51	402.03
General Electric Supply Corp.	9532	19972	5/16/51	37.33
Graybar Electric Company	9476	305X9476	5/14/51	17.33
Graybar Electric Company	9464	305X9464	5/18/51	233.48
Salt Lake Hardware Company	9468	575084	5/16/51	5.22
The Howard P. Foley Company	Material Transfer		5/14/51	14.37
The Howard P. Foley Company	Material Transfer		5/24/51	78.34
The Howard P. Foley Company	Material Transfer		5/24/51	507.99 460.47
				$1,547.01 1499.49

SUBSTANTIATING ITEM 2
OF SUMMARY

GENERAL ELECTRIC COMPANY

650 Seventeenth St.
Denver, Colo.

Customer's Order No. 8465 U 64 GE Req. No. SLK 63217-1
M.S. COS 91249

Sold To Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Invoice No. 12942
Inv. Date May 22, 1951

Shipped To Howard P. Foley Company
Chief Consolidated Mining Company
Eureka, Utah

Item Numbers & Quantity	Description	Unit Price	Amount
1	M-9138376 G3 CR-9140 Grid Asmb. It. #1	246.00 ea	246.00
4	3/8 - 16- 1 Cap Screws Hex Hd. Slotted	Net	
12	3/8 - 16 Hex Nut		
12	3/8" Lockwasher		
8	3/8 - 16 x 1 Screw Fl. Hd.		
8	V-2239755 Set Screw		
2	P-2289142 Pt. 13 Conn Strip	Inc.	
4	K-6009919 Pt 1 Insulator		
2	P-2289142 Pt 32 Support		
	Comp. 292 lbs.		
	Utah Tax . . . 2%		4.92
			250.92

SUBSTANTIATING ITEM 2
OF SUMMARY

GENERAL ELECTRIC COMPANY

650 Seventeenth St.
Denver 1, Colo.

Customer's Order No. 4883 - 64

GE Requisition No. SLK 62410-7

Date 1/9/51

Invoice No. SPH 23888

Invoice Date 5/19/51

Sold To H. P. Foley Company
510 West 1st North
Salt Lake City, Utah

Shipped To H. P. Foley Company
c/o Chief Consolidated Mining Co.
Eureka, Utah

Item Numbers and Quantity	Description	Unit Price	Amount
	SO 790118		
2	DL-6155743-G-4 FK-142-4. 16-25, 4160 V, 600 A.O.C.B.	Lot Net	394.15
12	Gal 10-C Oil (2-5, 1-2 Gal Cans)		
1	DL-6158446-G-2 Mc-5 Lever Each with: 3 K-2603328-G-11 Trip Coils, 5A TB 1 DL-6158055-G-1 Pot, Trip Unit with 1 K-6275084-G-22 Trip Coil, 230 V AC 1 M-3625391-G-1 Bell Alarm Switch		
1	DL-6158446-G-2 MC-5 Lever with 3 K-2603328-G-1 Trip Coils, 3A 1 DL-6158055-G-1 Pot Trip Unit with 1 K-6275084-G-22 Trip Coil, 230 V AC 1 M-3625391-G-1 Aux. Sw.		
	2% Tax #5047		7.88
			402.03

Complete 550 Lbs.

SUBSTANTIATING ITEM 2
OF SUMMARY

GENERAL ELECTRIC SUPPLY CORPORATION

310 West Second South St.
Salt Lake City 12, Utah

Register Number	Customer Order No. and Date	
SLU 19972	9532 U 64	5/16/51

Charge To H. P. Foley Company
510 West 1st North
Salt Lake City, Utah

Ship To H. P. Foley Company
% Chief Consolidated Mining Company
Eureka, Utah

			Un.Price	Amount
4	9P6C11 Cutouts	Agency	9.15	36.60
		Utah Tax		.73
				37.33

SUBSTANTIATING ITEM 2
OF SUMMARY

GRAYBAR ELECTRIC COMPANY
245 South 1st West
Salt Lake City, Utah

Inv. # 305 X 9376

May 14, 1951

Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Howard P. Foley Company
Chief Consolidated Mines
Eureka, Utah

9476 U 64

1	71019 50 Watt 230 115V Trans.	8.78 ea.	8.78
2	CR 1061 H 1A1 S P Switch	6.90 ea. 45-5	7.21
2	9714G Heater	Inc.	
2	410 Bryant Fuse Blocks SP	29.90/-5	.57
			16.56
	Sales Tax		.33
			16.89
	PP & Ins.		.44
			$ 17.33

SUBSTANTIATING ITEM 2
OF SUMMARY

GRAYBAR ELECTRIC COMPANY
245 South 1st West
Salt Lake City, Utah

Inv. #305 X 9464

May 18, 1951

Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Howard P. Foley Company
Chief Consolidated Mining Company
Eureka, Utah

9464 U 64

42	325'	Spools	#4A	Copperweld Spinning Wire	5.45	228.90
					Sales Tax	4.58
						233.48

SUBSTANTIATING ITEM 2
OF SUMMARY

THE SALT LAKE HARDWARE COMPANY
P.O. Box 510
Salt Lake City, Utah

P. O. No. 9468 U 64
May 16, 1951
Inv. No. 575084

Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

300	ea.	1/4 x 1 1/2 R H Stove Bolts Less 43%	2.05 C	6.15	3.51
5	Lb.	1/4 Cut Washers		22.10 cwt	1.11
			State Tax		.09
			Postage		.51
					5.22

THE HOWARD P. FOLEY COMPANY

MATERIAL TRANSFERS

Charge: Chief Consolidated Mining Company

Credit: Salt Lake Stock Date: May 14, 1951

Shipped	Material	Unit Price	Extension
12	5/8" x 20" Galv. D.A. Bolts	29.50 C	3.54
12	2½" x 2½" Square Washers	2.70 C	.32
12	#7510 Hub. Galv. Hub Eye Nuts	28.40 C	3.41
2	1/4" HS SS Drills	.60 Ea.	1.20
1	#7 HS SS Drills	.52 Ea.	.52
2	#333 Metal Cutting Saw Blades	2.55 Ea.	5.10
			14.09
		Sales Tax	.28
			14.37

THE HOWARD P. FOLEY COMPANY

MATERIAL TRANSFERS

Chief Consolidated

May 24, 1951

Credit: Salt Lake Stock

Shipped	Material	Unit Price	Extension
250'	1" Galv. Rigid Conduit	17.40 C	43.50
12	5/8" x 20" D A Bolts	36.58 C	4.39
1500'	# 12 T W Wire	17.30 M	25.95
12	5/8" Galv. Oval Eye Nuts	18.60 C	2.23
2	FB 34 Entrance Caps	26.40 C	.53
4	15 A, Plug Fuses	4.90 C	.20
			76.80
		Tax	1.54
			78.34

SUBSTANTIATING ITEM 2
OF SUMMARY

THE HOWARD P. FOLEY COMPANY

MATERIAL TRANSFERS

Charge: CHIEF CONSOLIDATED MINES

Credit: SALT LAKE STOCK

Date: May 24, 1951

Shipped	Material	Unit Price	Extension	
40	1/2" Lead Anchors	15.60 C	6.24	
12	O.B. Suspension Insulators	2.37 C	28.44	.28
100	1/4" Lead Anchors	7.26 C	7.26	
246#	#2 Stranded Bare Copper Wire	40.00 cwt	98.40	
2	7/8" Star Drills	.63 E	1.26	
178#	#4 Solid Bare Copper Wire	38.45 cwt	68.44	
2	1/2" Star Drills	.43 E	.86	
561#	1/0 Stranded Bare Copper Wire	40.00 cwt	224.40	
1	5/8" H.S. Drill Bit	1.70 E	1.70	
11	11/16" H. S. Drill Bit	1.90 E	20.90	
50	1" 2 Hole Pipe Straps	26.75 C	13.38	
100	3/4" 2 Hole Pipe Straps	26.75 C	26.75	
			498.03	$69.87
		Tax	9.96	9.40
			507.99	$60.47

SUBSTANTIATING ITEM 2
OF SUMMARY

CHIEF CONSOLIDATED MINING COMPANY
608 Dooly Building
Salt Lake City, Utah

Distribution of Howard P. Foley Company's Payrolls

Week Ending	Type	Number	Man Shifts	Rate	Amount	Total
May 23, 1951	Foremen	3	10	21.20	212.00	
	Overtime		3 1/8	31.80	99.38	
	Electrician	2	6 1/2	19.20	124.80	
	Groundmen	5	21	16.80	352.80	
	Overtime		4 5/16	25.20	108.70	108.67
	Linemen	4	14 1/8	19.20	271.20	
	Overtime		3 1/16	28.80	88.20	
	Engineer	2	8 2/8	18.00	154.50	148.50
	Overtime		1	27.00	27.00	
	Superintendent	1	3/5 wk.	138.46	83.08	
	Subsistence	(83 days @ $5.00)			415.00	1,996.83
	Mileage	(660 miles @ .07¢)			46.20	1,982.86
May 30, 1951	Electrician	7	18 5/8	19.20	357.60	
	Overtime		2	28.80	57.60	
	Groundmen	5	19 1/2	16.80	327.60	
	Overtime		5	25.20	126.00	
	Linemen	3	12	19.20	230.40	
	Overtime		3	28.80	86.40	
	Engineer	1	4	18.00	72.00	
	Overtime		1	27.00	27.00	
	Engineer	1	4	20.00	80.00	
	Superintendent	1	7/5 wk. (7/10)	138.46	96.92	193.84
	Foremen	2	8	21.20	169.60	
	Overtime		2	31.80	63.60	
	Subsistence	(112 days @ $5.00)			560.00	2,368.30
	Mileage	(238 miles @ .07¢)			16.66	2,271.38
	Total Payroll, Subsistence and Mileage				43 45.13	4,254.24
	Payroll Taxes and Insurance					266.54 ?
	Total				46 11.67	$4,520.78

Substantiating Item No. 3 of Summary;

The Howard P Foley Company
Electrical Construction
510 West 1st North Str.,
Salt Lake City, Utah

Sold to ;Chief Consolidated Mining Co.,
Dooly Bldg.,
Salt Lake City, Utah

June 18-1951

Invoice #5 Re: Chief Con.

Labor:		
Total Labor week ending 6-6-51	$ 2,142.94	
Total Labor week ending 6-13-51	2,219.17	
	4,362.11	
Payroll Taxes & Insurance 8.287%	361.49	
		$ 4,723.60
Travel Expense & Subsistence:		
Total Expenses week ending 6-6-51	654.48	
Total Expenses week ending 6-13-51	637.64	
		1,292.12
		6,015.72
Material Delivered to Site		14,165.03
25% of Fixed Fee		1,000.00
		$ 21,180.75

Substantiating Item No. 3 of Summary:

The Howard P Foley Company
Electrical Construction
Salt Lake City, Utah

Chief Consolidated Mining Company
Suppliers' Invoice
Invoice #5

Supplier	P. O. No.	Invoice Number	Date	Amount
Larkin Lectro Products Corpn.	4788	759-L	5-29-51	$ 11,694.00
Larkin Lectro Products Corpn.	4788	786-L	6-4-51	450.00
T J Cope Inc.	9623	---	6-8-51	116.30
Utah Crane & Rigging Co.	9733	1544	6-13-51	385.00
General Electric Supply Corpn.	9536	20554	5-23-51	164.53
General Electric Co.	8566	20840	4-27-51	310.69
Graybar Electric Co.	9412	305X9412	6-4-51	10.00
Graybar Electric Co.	9632	305X9632	6-4-51	37.71
Westinghouse Electric Supply	9478	310470	5-28-51	461.24
Westinghouse Electric Supply	8283	149480-6	5-31-51	16.22
Westinghouse Electric Supply	9477	61667	5-17-51	31.35
Westinghouse Electric Supply	9442	310410	5-25-51	383.75
Salt Lake Hardware Co.	9634	537591	6-6-51	16.70
Mine & Smelter Supply Co.	9605	122013	6-5-51	4.79
Pacific Intermountain Express	---	73754	---	10.39
Pacific Intermountain Express	---	75019	---	1.76
Railway Express Agency	9642	448148	6-11-51	21.17
The Howard P Foley Co.	Material Transfer		6-8-51	49.43
				$14,165.03

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

DISTRIBUTION OF LABOR ON HOWARD P. FOLEY INVOICE

Week Ending	Type	Number	Man Shifts	Rate	Amount	Total
June 6, 1951	Electrician	7	34	19.20	652.80	
	Overtime		7	28.80	201.60	
	Linesmen	3	12	19.20	230.40	
	Overtime		3	28.80	86.40	
	Groundmen	5	24½	16.80	411.60	
	Overtime		5	25.20	126.00	
	Engineer	1	5	18.00	90.00	
	Overtime		1	27.00	27.00	
	Foremen	2	10	21.20	212.00	
	Overtime		2	31.80	63.60	
	Superintendent	1	3/10 wk.	138.46	41.54	
	Subsistence	(123 days @ $5.00)			615.00	
	Mileage	(564 miles @ .07¢)			39.48	$2797.42
June 13, 1951	Electrician	7	35	19.20	672.00	
	Overtime		7	28.80	201.60	
	Linesmen	3	12½	19.20	240.00	
	Overtime		3	28.80	86.40	
	Groundmen	5	15	16.80	252.00	
	Overtime		5	25.20	126.00	
	Engineer	1	5	18.00	$90.00	
	Overtime		1	27.00	27.00	
	Foremen	3	15	21.20	318.00	
	Overtime		3	31.80	95.40	
	Superintendent	1	4/5 wk.	138.46	110.77	
	Subsistence	(117 days @ $5.00)			585.00	
	Mileage	(752 miles @ .07¢)			52.64	2856.81
	Total Payroll, Subsistence and Mileage					5654.23
	Payroll Taxes and Insurance					361.49
	25% of Fixed Fee per Contract					1000.00
	Total					$7,015.72

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

LARKIN LECTRO PRODUCTS CORP.

P.O. Box 687
Pine Bluff, Arkansas

Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Spec. No. 1257

Date: 5/29/51

Shipped to:

Order No. 759-L

Howard P. Foley Company
Salt Lake City, Utah

P. O. No. 4788 U 64

1	3000 K VA, OISC, Larkin Power transformer, type AOP3, three phase 60 cycles, class A insulated for 55° C temperature rise above ambient, 44,000/4160Y delta volt, delta delta connected with four 2½% full capacity taps below 44,000 normal voltage.	$ 11,694.00 ea.	$ 11,694.00

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

LARKIN LECTRO PRODUCTS CORP.

P. O. Box 687
Pine Bluff, Arkansas

A14590A

Howard P. Foley Company
510 West 1st North
Salt Lake City 16, Utah

6/4/51

Order No. 786L
P.O. No. 4788 U 64

Secondary voltage change on 3,000 KVA Transformer from 2,400 volts to 4,160 volts delta		
Cancellation charges for work already done	450.00	$ 450.00

4/c

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

T. J. COPE, INC.
711 So. 50th St.
Philadelphia 43, Pa.

P.O. No. 9623 U 64

6/8/51

The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

12	#550	Cope Double Shackle Swivels	9.50	114.00
			Parcel Post	2.30
				$ 116.30

Substantiating Item No. 3
of Summary

UTAH CRANE & RIGGING COMPANY
656 So. 2nd West
Salt Lake City, Utah

Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

June 13, 1951

P. O. No. 9733

Inv. #1544

To unload and haul transformer to Eureka

as per agreement $385.00

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

GENERAL ELECTRIC SUPPLY CORPORATION

310 West Second South St.
Salt Lake City 12, Utah

Register Number
SLU 20554

Invoice Date
5/23/51

Sold to

H. P. Foley Company
510 West 1st North
Salt Lake City, Utah

Customer Order No. & Date
9536 U 64 5/16/51

Ship to

H. P. Foley Company
% Chief Consolidated Mining Co.
Eureka, Utah

87'	1000 MCM 600V Type R Stranded Wire	1854.00	161.30
	Utah Tax		3.23
			164.53

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

GENERAL ELECTRIC COMPANY

650 Seventeenth St.
Denver 1, Colo.

Customer's Order No. 8566 U 64

GE Req. No. SLK 63440
M.S. 24920

Date 1/30/51

Invoice No. SPH20840

Sold To H. P. Foley Company
510 West 1st North St.
Salt Lake City, Utah

Invoice Date 4/27/51

Shipped To H. P. Foley Company
% Chief Consolidated Mining Company
Eureka, Utah

Date Shipped 4/27/51

How Shipped: Universal C/L

	Description	Unit Price	Amount
	SO-785505		
Item 1			
3	Cat 121AC51A1A Relays	58.00 ea.	174.00
Item 2			
1	121AC51A3A Relay	58.00 ea.	58.00
Item 3			
3	12XEC11A1 Tripping Reactors	24.20 ea.	72.60
			304.60
		Subject to 2% Utah Use Tax	6.09
			310.69

Complete 82 lbs.

SUBSTANTIATING ITEM 3
OF SUMMARY

GRAYBAR ELECTRIC COMPANY
245 South First West
Salt Lake City 13, Utah

Inv. Date 6/4/51
P.O. No. 9412
Inv. No. 305X9412

Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Howard P. Foley Company
Chief Consolidated Mine
Eureka, Utah

Parcel Post: May 31, 1951

28	8908 Span Clamps	35.00 C	9.80
	Sales Tax		.20
			10.00

SUBSTANTIATING ITEM 3
OF SUMMARY

GRAYBAR ELECTRIC COMPANY, INC.
336 North Third West
Salt Lake City, Utah

Inv. Date 6/4/51
Inv. No. 305X9632

Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Howard P. Foley Company
% Chief Consolidated Mines
Eureka, Utah

Motor Freight June 1, 1951

4 qt.	1201 Glyptal Red	6.46	gal - 5	6.13
20 rolls	3/4 Cotton Grade B Tape	.63	- 5	11.97
20 rolls	3/4 VC Tape	74.32 C	- 5	14.12
200	C-10-10 Stakon Term	2.50 C	- 5	4.75
				36.97
		Sales Tax		.74
				37.71

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

WESTINGHOUSE ELECTRIC SUPPLY

P.O. Box 2550
Salt Lake City, Utah

Date: 6/5/51 Invoice No. DS12 310470

P.O. No. 9478 U 64 May 11, 51 5/28/51

Shipped to: Chief Consolidated Mines, Inc.
Eureka, Utah

Charge To: Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

7	1114725 W. Capacitors Type FP	95.00 ea.	32%	452.20
	Sales Tax			9.04
				461.24

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

WESTINGHOUSE ELECTRIC
SUPPLY COMPANY

Date	Branch	Invoice No.
5/31/51	1303 Salt Lake City, Utah	DS12 149480-6
	Customer's Reference	Shipped:
	8283 U 64	5-25-51

Shipped to: The Howard P. Foley Company
% Chief Cons. Mine
Eureka, Utah

Charge to: The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

Quantity	Description	List	Amount	Total
3	Units 16-3-4 #2 Uscolite	6.00	18.00	
	Splice Housing 12" Lgths			
		Freight allow	-1.78	16.22

48

SUBSTANTIATING ITEM NO.
3 OF SUMMARY

WESTINGHOUSE ELECTRIC
SUPPLY COMPANY

Date	Branch	Invoice No.
5/17/51	Salt Lake City	H4 61667
	Customer's Reference	Shipped:
	9477 U 64	PP 5/14/51

Shipped to: Chief Consolidated Mines
Eureka, Utah

Charge to: H. P. Foley Company
510 West 1st North
Salt Lake City, Utah

2	312 Edwards Adapter Horns Const. of 372 Horn	25.00 ea. Less 40% & disc	30.00	50.00
	Sales Tax		.60	
	P.P.		.75	
			31.35	51.75

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

THE SALT LAKE HARDWARE CO.

P.O. Box 510
Salt Lake City 9, Utah

Your Order No.
9434 U 64

Invoice Date
June 6, 1951

Our Invoice No.
5375991

Sold To Howard P. Foley Company
Box 2435
Salt Lake City

Shipped to Same
% Eureka Consolidated Mining Co.
Eureka, Utah

Quantity and Description		Net	Extension		Total
50	Tompin screw Anchor	18.72 C	9.36		
	Utah State Sales Tax		.32	.19	
	Postage and Ins.		.54		
507592					
1	#3651 Star Drill	5.80	.48	2.90	
50	Ea 1224 Victor all Hard Hack Saw Blade 16.00 C	8.00			18.99
	Less 25%		6.00		16.70

50

SUBSTANTIATING ITEM NO. 3
of SUMMARY

WESTINGHOUSE ELECTRIC
SUPPLY COMPANY

Date: 5/25/51 Branch: Salt Lake City Invoice No. DS12 310410

Customer's Reference: 9442 U 64 Shipped: 5/8/51 from Vernon, Calif.

Charge To
The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

		Amount	Total
50	YDS 26 1/0 Strd High Splices	110.85 C	55.43
2	A-26 YD Die Set	15.40 E	30.80
2	Y34A Hi Preso.	145.00 E	290.00
	Sales Tax		7.52
			383.75

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

MINE AND SMELTER SUPPLY
121 West Second So.
Salt Lake City, Utah

Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

6/5/51
5/28/51
Inv. No. 122013
P.O. No. 9605 U 64

1	1" Rigid Hickey	4.70
	Sales Tax	.09
		$ 4.79

SUBSTANTIATING ITEM NO. 3

OF SUMMARY

RAILWAY EXPRESS AGENCY, INC.
Salt Lake City, Utah

To: The Howard P. Foley Company
510 West 1st North
Salt Lake City, Utah

June 11, 1951

P.O. No. 9642

Date Shipped: 6/8/51

Receipt Number: 448148

Weight: 35 lbs.

Air Express Charges	20.55
Tax	.62
	21.17

Shipped from Erie, Pa.

SUBSTANTIATING ITEM NO. 3
OF SUMMARY

THE HOWARD P. FOLEY COMPANY

MATERIAL TRANSFERS

June 8, 1951

Charge: Chief Consolidated

Credit: Salt Lake Stock

Quantity	Material	Unit Price	Extension
37 Rolls	Uskarona Rubber Tape	45.00 C	16.65
4 Rolls	Okonite Rubber Tape	45.00 C	1.80
3 Rolls	Okoprene	45.00 C	1.35
4 Rolls	Okolite Rubber Tape	45.00 C	1.80
54	5/8" x 12" Galv. Machine Bolts	30.40 C	16.42
6 Rolls	Rubber Tape	39.00 C	2.34
54	2" Square Washers	5.00 C	2.70
15 Rolls	Friction Tape	36.00 C	5.40
			48.46
	Sales Tax		.97
			49.43

SUBSTANTIATING ITEM NO. 4
OF SUMMARY

HIGHROCK MACHINERY COMPANY
158 West Fourth South Street

P.O. Box 216 — Salt Lake City 6, Utah

Phone: 4-9784

Customer's Order No. & Date: 1152 -- 11/20/50

Requisition No.: 4247

Refer to Invoice No.: 5374

Invoice Date: May 23, 1951

Sold To: Eureka Machinery & Supply Co.
508 Dooly Building
Salt Lake City, Utah

Vendor's No.: L-200991-2

Shipped to and Destination: Sunnyside - Hardin, Utah

Date Shipped: May 16, 1951

How Shipped and Route: Garrett Freightlines

f.o.b. Los Angeles, California

Terms: Net 30 Days

Quantity	Description	Unit Price	Amount
2	Byron Jackson 8 x 10 x 14 Type DVS Horizontal Single Stage Split Case Centrifugal Pumps with Coupling and Base	$ 3,014.00	$ 6,028.00

Part Shipment

SUBSTANTIATING ITEM NO. 4
OF SUMMARY

WICKERSON MACHINERY COMPANY

158 West Fourth South Street

P. O. Box 216 Salt Lake City, Utah

Phone: 4-9784

Customer's Order No. & Date 1152 partial

Refer to Invoice No. 5358

Invoice Date 5/21/51

Sold to Eureka Machinery & Supply Co.
Dooly Building
City

Shipped to same

Date Shipped 5/7/51

How Shipped and Route Salt Lake & Delta

Terms: net 30 days

Quantity	Description	Unit Price	Amount
2	10 x 21 suction intake pipes	192.50	385.00
1	8 x 10 suction intake pipe		128.37
			$ 513.37

SUBSTANTIATING ITEM NO. 5
OF SUMMARY

MCGUERSON MACHINERY COMPANY
158 West Fourth South Street
Salt Lake City 6, Utah
Phone: 4-9784

Customer's
Order No. & Date: 1152 - 11/20/50

Refer to
Invoice No.: 5374-B

Requisition No.: 4277

Invoice Date: June 14, 1951

Sold
To

Eureka Machinery & Supply Company
608 Deely Building
Salt Lake City, Utah

CORRECTED INVOICE

Shipped to: Same - Eureka, Utah

Supersedes #5374-A

Date Shipped: May 16, 1951

Carrett Freightlines

f.o.b. Los Angeles, California

1	Spare Rotating Element Assembled and Balanced including bearings for 8X10X14 Type DVS Pumps, shipped on our invoice #5374	$ 970.00
	Freight charges prepaid on 2 - 8X10X14 DVS Pumps and Spare Rotating Element as per Freight Bill attached	170.41
		$1,157.41

MCKINSON MACHINERY COMPANY
150 West Fourth South Street
Salt Lake City 1, Utah
Phone: 4-9764

Customer's Order No. & Date: 1152 - 11/20/50

Requisition No. 4247

Invoice No. 5434

Invoice Date June 14, 1951

Vendor's No. L-249991-30-1
L-249992-30-1

Sold To: Eureka Machinery & Supply Company
608 Dooly Building
Salt Lake City, Utah

Shipped To: Same
Eureka, Utah

Date Shipped: 5/8/51
Direct by the 7Gr.

f.o.b. Eureka, Utah

2	600 HP, 2300 Volt, 3 Phase, 2 Pole G. E. Motors - Motor Manufacturers Adjusted Price at Time of Delivery	08,496.00	$ 16,992.00

SUBSTANTIATING ITEM NO. 7
OF SUMMARY

THE GALLIHER COMPANY

545 WEST EIGHTH SOUTH — SALT LAKE CITY, 4, UTAH

PHONE: 9-0732

Customer's Order No. 1230

Requisition No. 4255

Invoice No. 59479-A

Invoice Date 6/11/51

Sold To: Burdin Machinery & Supply Co.
608 Healy Building
City

Terms 2% dis. on $129.30 or $2.59 if paid by 6/26/51

Ship To: Same as

Destination: Eureka, Utah — F.o.b.: Cincinnati

Date Shipped: 5/31/51 — How Shipped: Freight

Quant. Ordered	Quant. Shipped	Description	Price	Unit	Amount
24	24 only	Extra Ends for 1½" O.D. 8 gauge Naylor Pipe, grooved for Victaulic Fittings	4.47	ea	107.28
6	6 only	Extra Ends for 1½" O.D. 8 gauge Naylor Pipe, grooved for Victaulic Fittings	3.67	ea	22.02
					129.30
		SMALL SALES TAX Not subject to Cash Discount			2.59
					131.89

SUBSTANTIATING ITEM NO. 7
OF SUMMARY

THE GALIGHER COMPANY

545 WEST EIGHTH SOUTH — SALT LAKE CITY 4, UTAH

PHONE: 9-8731

Customer's Order No. 1176 Req. No. 4251

Invoice No. 58717-A

Invoice Date 6/11/51

Sold To: Eureka Machinery & Supply Co.
608 Dooly Building
Salt Lake City, Utah

Terms: 2% dis. on $11,655.32 or $233.11 if paid by 6/16/51

Ship to: Same

Destination: At Eureka, Utah — f.o.b. Cleveland

Date Shipped: 5/31/51 — How Shipped: Freight b/l attached

Quant. Ordered	Quant. Shipped	Description	Unit	Price	Amount
2110 ft.	211 pcs.	18" O.D. 8 gauge Naylor Pipe, cold tar primed, Victaulic Grooves, 10 ft lengths for Water Pump Service at 250 lbs P.S.I.	ea	~~42.69~~ 42.70	~~9,011.60~~ 90,097.00 9011.59
10 only	10 only	18" Victaulic Elbows for 18" O.D. Naylor Pipe 90 deg. long Radius	ea	70.61	706.10
10 only	10 only	18" Victaulic Elbows 45° ditto	ea	51.78	517.80
10 only	10 only	18" Victaulic Elbows 22½°	ea	47.92	479.20
10 only	10 only	18" Victaulic Elbows 11¼°	ea	47.92	479.20
2 only	2 only	18" O.D. to 14" O.D. Victaulic 45° Laterals, 18 x 18 x 14" O.D.	ea	97.57	195.14
4 only	4 only	18" O.D. Victaulic Flanged Adapter Nipples	ea	40.40	161.60
2 only	2 only	14" O.D. Victaulic 45° Laterals Nipples	ea	52.34	104.68
					11,655.32
					92,740.42
		STATE SALES TAX Not Subject to Cash Discount			233.11
					11,888.43

SUBSTANTIATING ITEM NO. 8
OF SUMMARY

FREIGHT BILL
SALT LAKE DELTA FREIGHT LINE

350 South 1st West — Salt Lake City, Utah

Consignee: Eureka Machinery & Supply Co.
Eureka, Utah

Date 5/17/51
Freight Bill No.D52018

Shipper: Galigher Co.
Salt Lake City, Utah

		Weight	Rate	Collect
2	Bgs Irn Victavler Pipe Ftgs.	600	70	4.20
			Fed. Tax	.13
			Total to Collect	4.33

SUBSTANTIATING ITEM NO. 8
OF SUMMARY

FREIGHT BILL
SALT LAKE DELTA FREIGHT LINE

350 South 1st West — Salt Lake City, Utah

Date 5/17/51

Freight Bill No.D51969

Consignee Eureka Machinery & Supply Co.
Eureka, Utah

Shipper Steel Engineers Co. 7631
Salt Lake City, Utah

		Weight	Rate	Collect
65	Pcs. Round Deformed Rld Stl. Bars	1216	70	8.51
			Fed. Tax	26
			Total to Collect	8.77

SUBSTANTIATING ITEM NO. 9
OF SUMMARY

FREIGHT BILL

SALT LAKE DELTA FREIGHT LINE
350 South 1st West
Salt Lake City 4, Utah

Freight Bill No. D-52480

Date 5/29/51

Consignee The Howard P. Foley Co.
c/o Chief Cons. Mining Co.
Eureka, Utah

Shipper The Howard P. Foley Co.
Salt Lake City, Utah

			Weight	Rate	
1	Reel Cable	797			
2	Coils Wire	424			
2	Crts Insulators	120	1341	70	9.39
				Fed. Tax	.28
					9.67

SUBSTANTIATING ITEM NO. 9
OF SUMMARY

FREIGHT BILL

SALT LAKE DELTA FREIGHT LINE
350 South 1st West
Salt Lake City 4, Utah

Freight Bill No. D-52675

Date 6/2/51

Consignee The Howard P. Foley Co.
c/o Chief Cons. Mining Co.
Eureka, Utah

Shipper The Howard P. Foley Co.
Salt Lake City, Utah

		Weight	Rate	
3	Ctns. Elec. Material	52	M	1.20
			Fed. Tax	.04
				1.24

FREIGHT BILL

SALT LAKE DELTA FREIGHT LINE
350 South 1st West
Salt Lake City 4, Utah

Freight Bill No. D-52688

Date 6/2/51

Consignee The Howard P. Foley Co.
c/o Chief Cons. Mining Co.
Eureka, Utah

Shipper Graybar Electric Co. Inc.
Salt Lake City, Utah

			Weight	Rate	
1	Ctn.	Electric Wiring Sockets	12		
1	Ctn.	Apint	15		
			27	M	1.20
		Fed. Tax			.04
					1.24

SUBSTANTIATING ITEM NO.
9 OF SUMMARY

FREIGHT BILL

SALT LAKE DELTA FREIGHT LINE
350 South 1st West
Salt Lake City 4, Utah

Freight Bill No. D-51999

Date 5/17/51

Consignee H. P. Foley Co.
c/o Chief Cons. Mining Co.
Eureka, Utah

Shipper General Electric Supply Corp.

			Weight	Rate	
4	Ctns.	Pottery Cut Outs	48	M	1.20
		Fed. Tax.			.04
					1.24

FREIGHT BILL

SALT LAKE DELTA FREIGHT LINE
350 South 1st West
Salt Lake City 4, Utah

Freight Bill No. D-51686

Date 5/10/51

Consignee HOWARD P. FOLEY CO.
c/o Chief Cons. Mining Co.
Eureka, Utah

Shipper Mine and Smelter Supply Co.
Salt Lake City

		Weight	Rate	
6	Pcs. Transite Wall Board	858	70	6.01
		Fed. Tax		.18
				6.19

FREIGHT BILL

SALT LAKE DELTA FREIGHT LINE
350 South 1st West
Salt Lake City 4, Utah

Freight Bill No. D-51675

Date 5/10/51

Consignee Howard P. Foley Co.
c/o Chief Cons. Mining Co.
Eureka, Utah

Shipper Howard P. Foley Co.
Salt Lake City, Utah

					Weight	Rate	
5	Bdls.	Conduit	410				
3	Ctn.	Wire					
1	Ctn.	Misc. Elec. Materials		50	460	70	3.22
						Fed. Tax	.10
							3.32

SUBSTANTIATING ITEM NO. 10
OF SUMMARY

DEMURRAGE BILL Eureka Station 6/10/51
Freight Bill No. 55304

Consignee EUREKA MACHINERY SUPPLY CO.

THE DENVER AND RIO GRANDE WESTERN RAILROAD COMPANY. Dr. For Charges on Articles Transported:

Waybill From	Waybill Date & No.	Full Name of Shipper	Car Initials & No.
OSLER CPO. o	65073 - 6/2	MAYSOR DRUG CO.	DRL-614292

Number of Packages, Articles and Marks	Weight	Rate	Freight	Advances	Total
120 pc. W. I. Pipe	42750	151	645.53		645.53
			Tax		19.37
					664.90

SUBSTANTIATING ITEM NO. 11 of summary

Apparatus Dept.
GENERAL ELECTRIC
Company

Customer's
Order No.

1367 GE Requisition No. [illegible] 69505

Req'n No.

Invoice No. [illegible] 10599

Date 2-2-51 [illegible] 10599

Invoice Date May 7, 1951

Sold Eureka Machinery and Supply Corp.
To 608 Boely Building
Salt Lake City, Utah

Shipped Eureka Machinery and Supply Corp.
to Eureka, Utah

Terms--Net Cash 30 Days

Date Shipped 4 20 51 From Westlynn Works

		LIST NET		
ITEM 9			Unit Price	Amount
9-	8A072A7021 52230 [illegible] [illegible]			
		12.00 ea 32%	8.16 ea	73.44
			FP	1.44
				74.88

GEN.

1 F BOX [illegible] 12 LBS

0 4-18-51 4-17-51

SUBSTANTIATING ITEM NO. 12
OF SUMMARY

TINTIC LUMBER COMPANY, INC.
Phone 44

Eureka, Utah May 9, 1951

Sold to: Chief Consolidated Mining Co.

N 96 B 2300-162

Pcs.		Price	Amount
17	1 x 12 - 12		30.60
		Tax	.61
			31.21

May 21, 1951

22	1 x 12 - 14 96a 169 - 2300		46.20
		Tax	.92
			47.12

May 24, 1951

Order 56

12	pr. 2½ Hinges		6.00
12	Turns		4.80
			10.80
		Tax	.21
			11.01

2300 #96 B

RAILWAY EXPRESS AGENCY
Incorporated

Receipt for Charges Collected
from Consignee

Receipt Number

2343

Destination Office

(3013-9) ELKHIS, UTAH (U)

Consignee

HENRY F. FOLEY CO. - C/O CHIEF

CONSOLIDATED MIN. CO.

Address

BURTON, UTAH

Forwarding Office

SOMIA, KANSAS

Date Entered Shipped

5/9/51

Pieces	Article	Description	Weight
7	Ctns.	Misc	317

Shipper

CASTLE MINING EQUIPMENT CO.

Point of Origin

432 WEST CRAIG

Date Delivered

5/25/51

TOTAL

29.10

SUBSTANTIATING ITEM NO. 14
OF SUMMARY

INTERMOUNTAIN LUMBER and HARDWARE CO.

Building Materials
Hardware — Paint

CORNER 1st NORTH and 2nd WEST — PARAGONAH, UTAH

Phone 820

May 26, 1951

Chief Consolidated Mining Co.
Jardin, Utah

50	one cement	1.17	tax:	58.50 1.17 59.67

SUBSTANTIATING ITEM NO. 15
OF SUMMARY

THE SALT LAKE HARDWARE CO.
P.O. BOX 510
SALT LAKE CITY 10, UTAH

Our Invoice No.: 585071 Invoice Date: June 6 '51

How Shipped: Post

Sold To: Eureka Machinery and Supply
Eureka
Utah

RP					
12	½" #11	Std. Gate Valves	6.05 ea.	72.60	
		Postage and Ins.		.70	73.30

SUBSTANTIATING ITEM NO. 16
OF SUMMARY

N. O. NELSON COMPANY
380 West 2nd South
Salt Lake City, Utah

2-8-51 1401 Ticket No. 6-12-51
A-12021

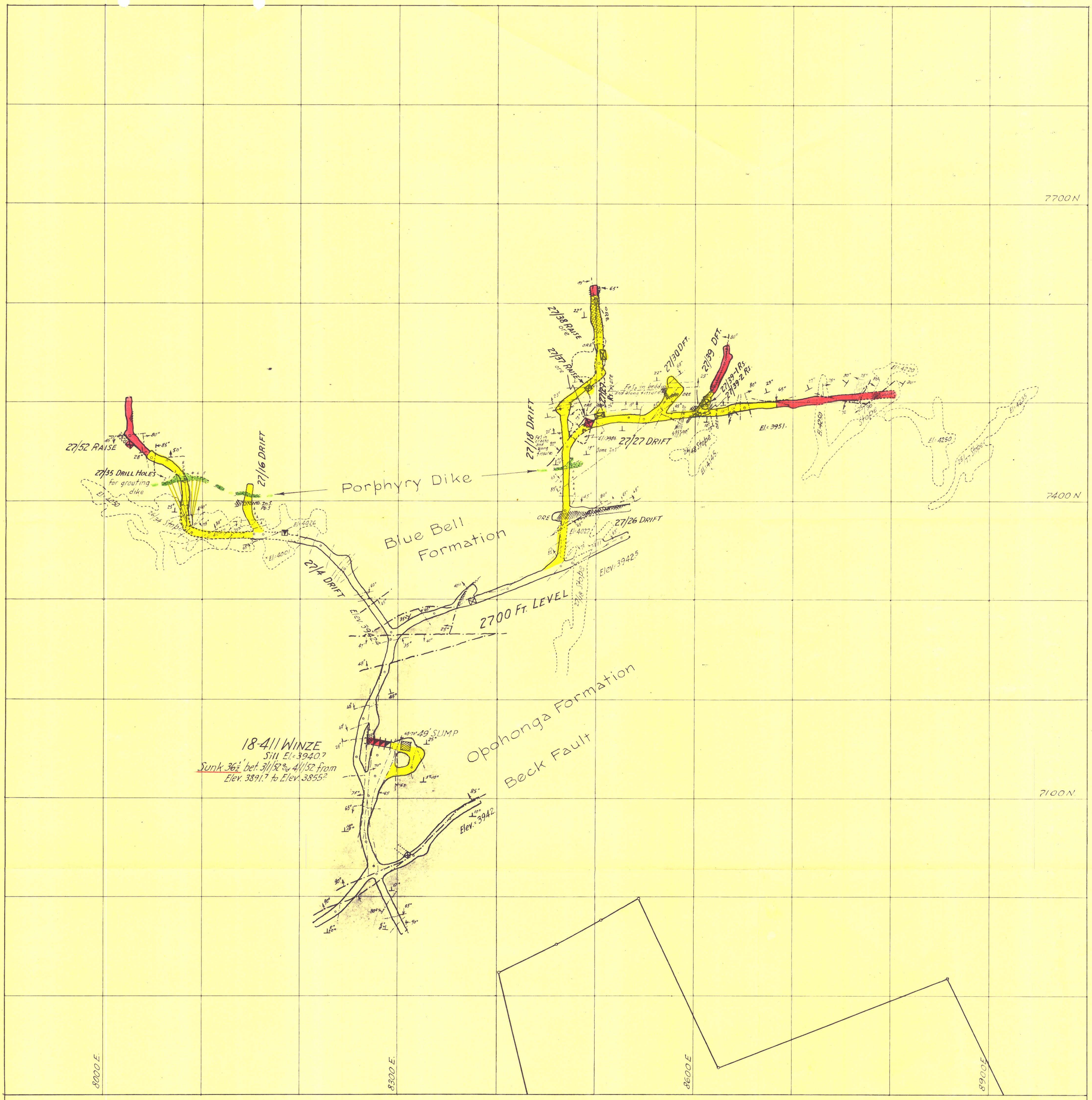
Shipped to: Eureka, Utah

Eureka Machinery & Supply
608 Dooly Building
Salt Lake City, Utah

Car No. and Init. 6-5-51

1	8 x 6	L R 300 Weld Ell	53.28

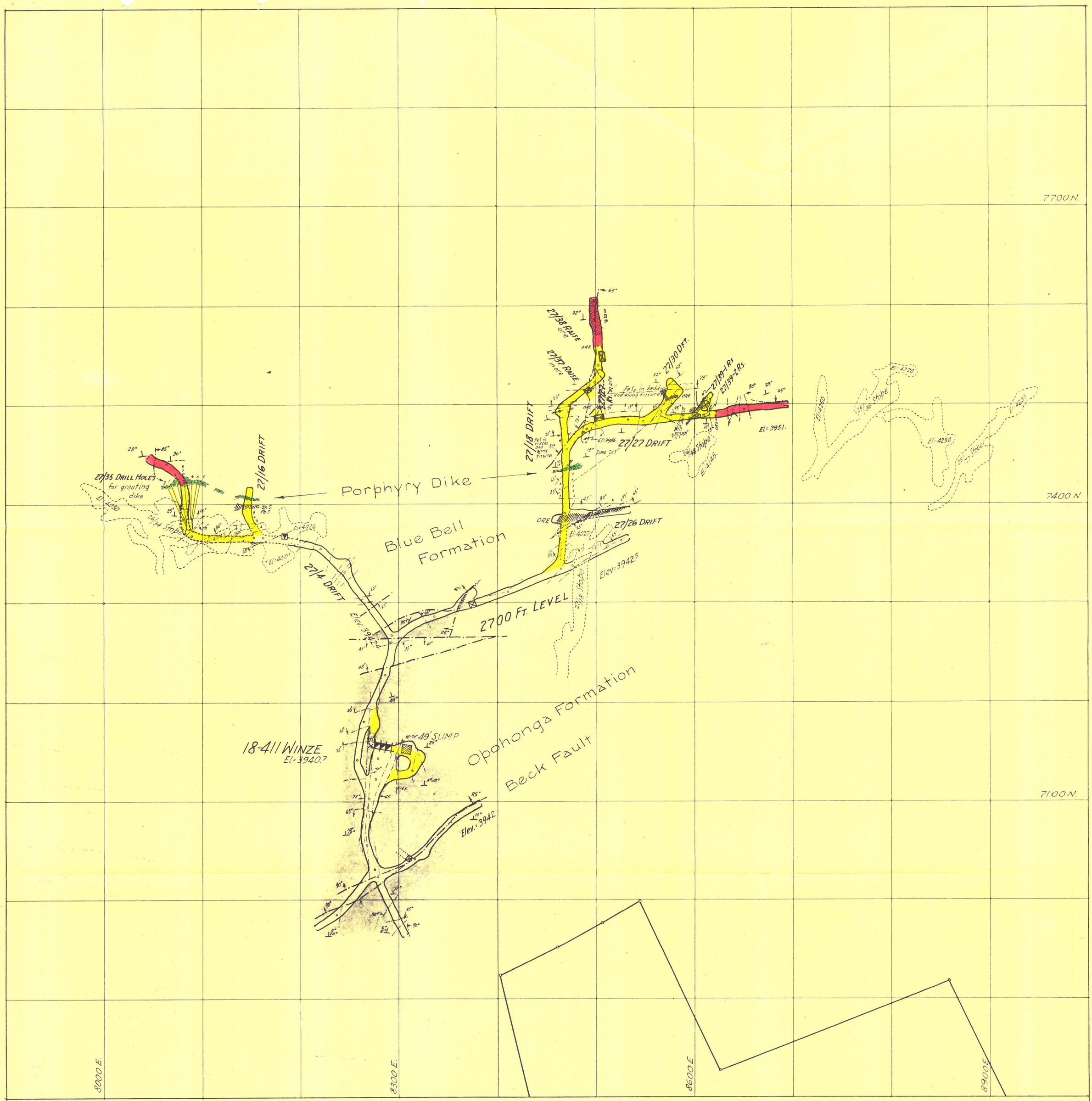
Shipped direct from factory 6-5-51
O.D. Ladish Co.

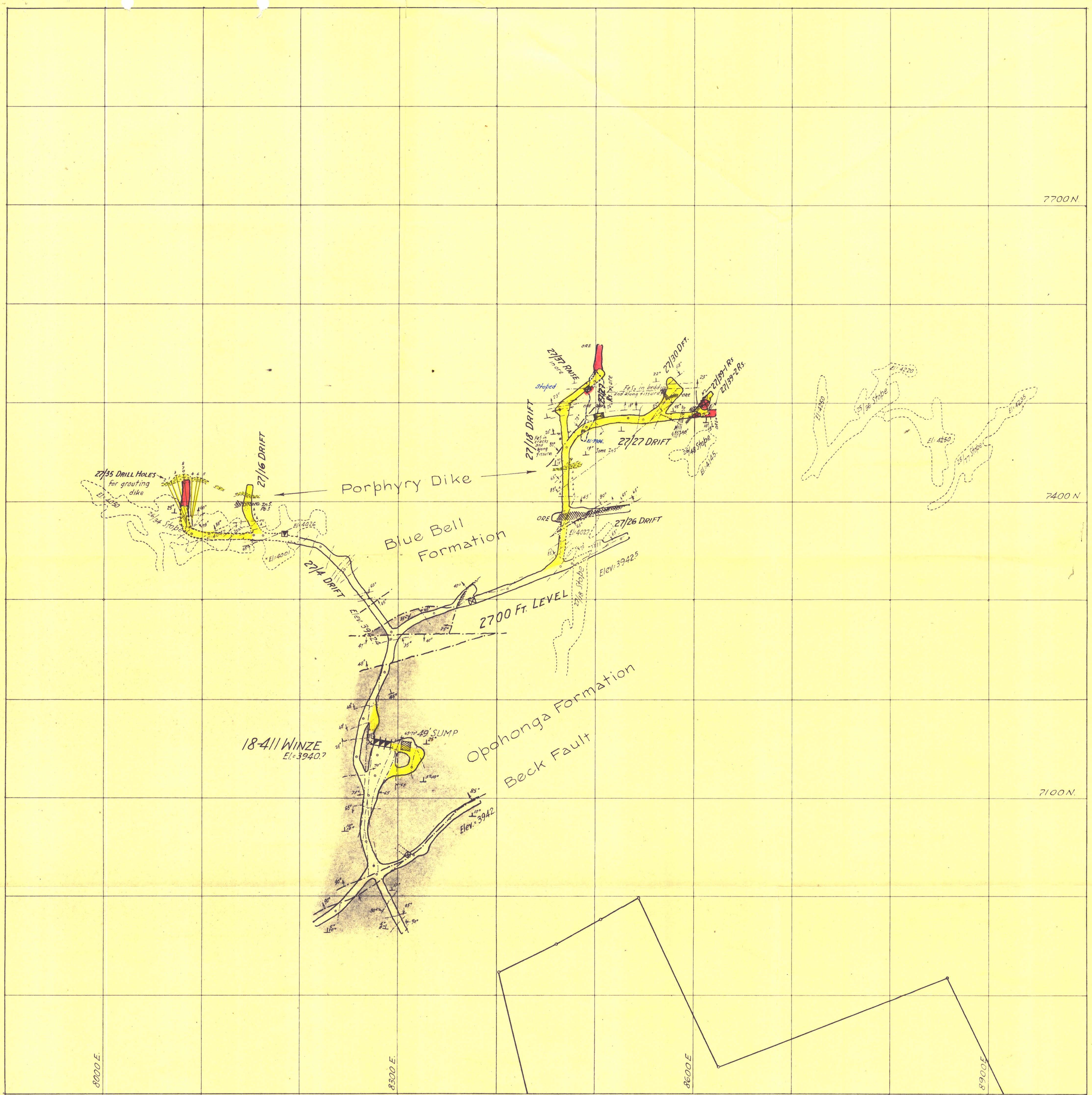


Work done prior to March 1st 1952.
Work done between March 1st 1952, and April 1st 1952.

CHIEF CON. MNG. CO.
2700 LEVEL
Scale: 50'=1"

EXHIBIT A


7700 N
7400 N
7100 N
8000 E
8300 E
8600 E
8900 E
27/38 RAISE
27/37 RAISE
27/30 DFT.
27/39-1 Rs
27/39-2 Rs.
27/18 DRIFT
27/27 DRIFT
27/26 DRIFT
27/16 DRIFT
27/14 DRIFT
27/35 DRILL HOLES for grouting dike
Porphyry Dike
Blue Bell Formation
2700 FT. LEVEL
18-411 WINZE
El.= 3940.?
49' SUMP
Opohonga Formation
Beck Fault
El.= 3951.
Elev.= 3942.5
Elev.= 3942.
Work done prior to February 1st, 1952.
Work done between February 1st, 1952, and March 1st, 1952.
CHIEF CON. MNG. CO.
2700 LEVEL
Scale: 50'=1"
EXHIBIT A



Work done prior to January 1st, 1952

Work done between January 1st, 1952, and February 1st, 1952.

CHIEF CON. MNG. CO.

2700 LEVEL

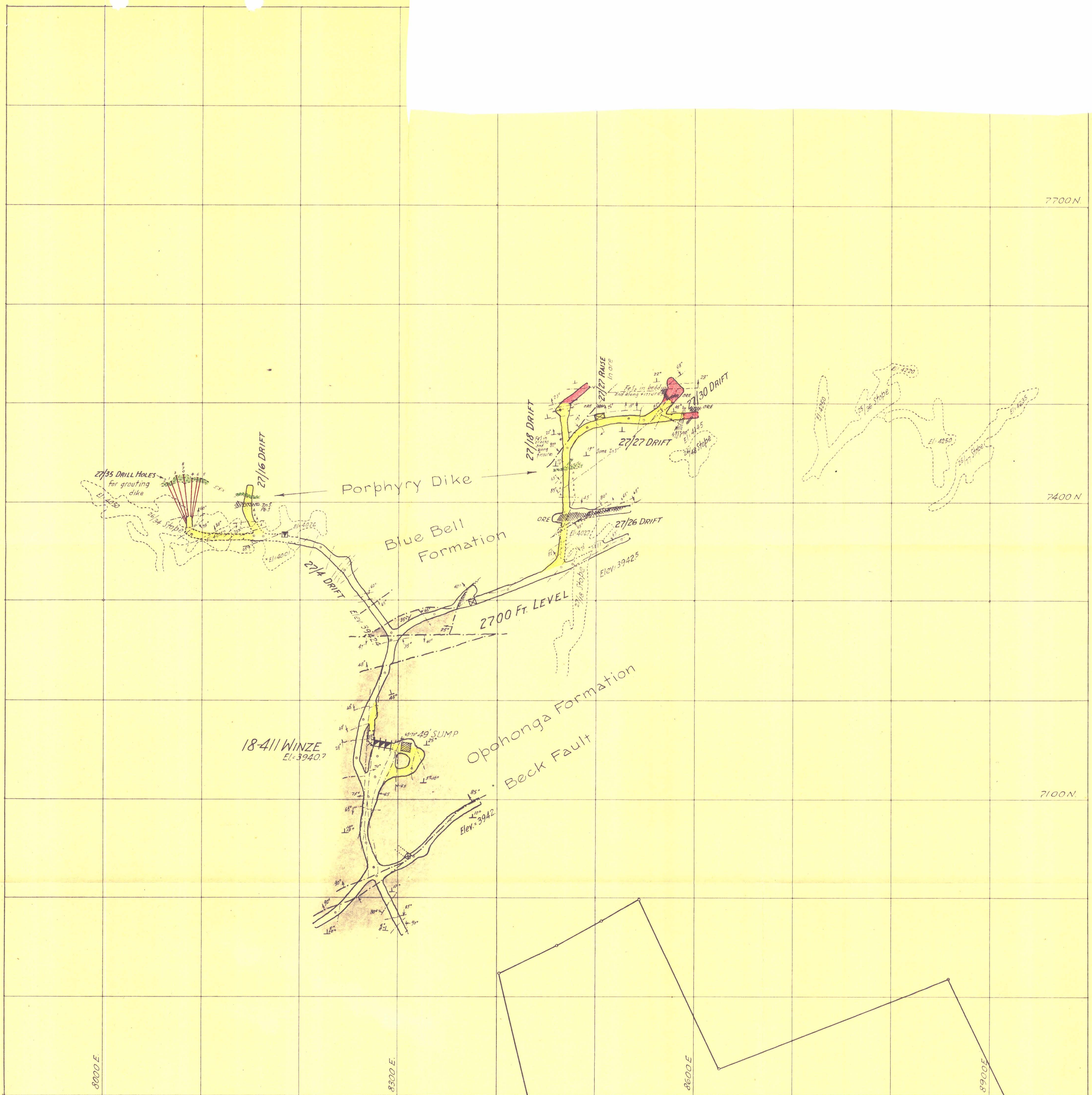
Scale: 50'=1"

EXHIBIT A

CHIEF CON. MNG. CO.
2700 LEVEL
Scale: 50'=1"

EXHIBIT A

DMEA1-1A E4



Work done prior to November 1st, 1951.

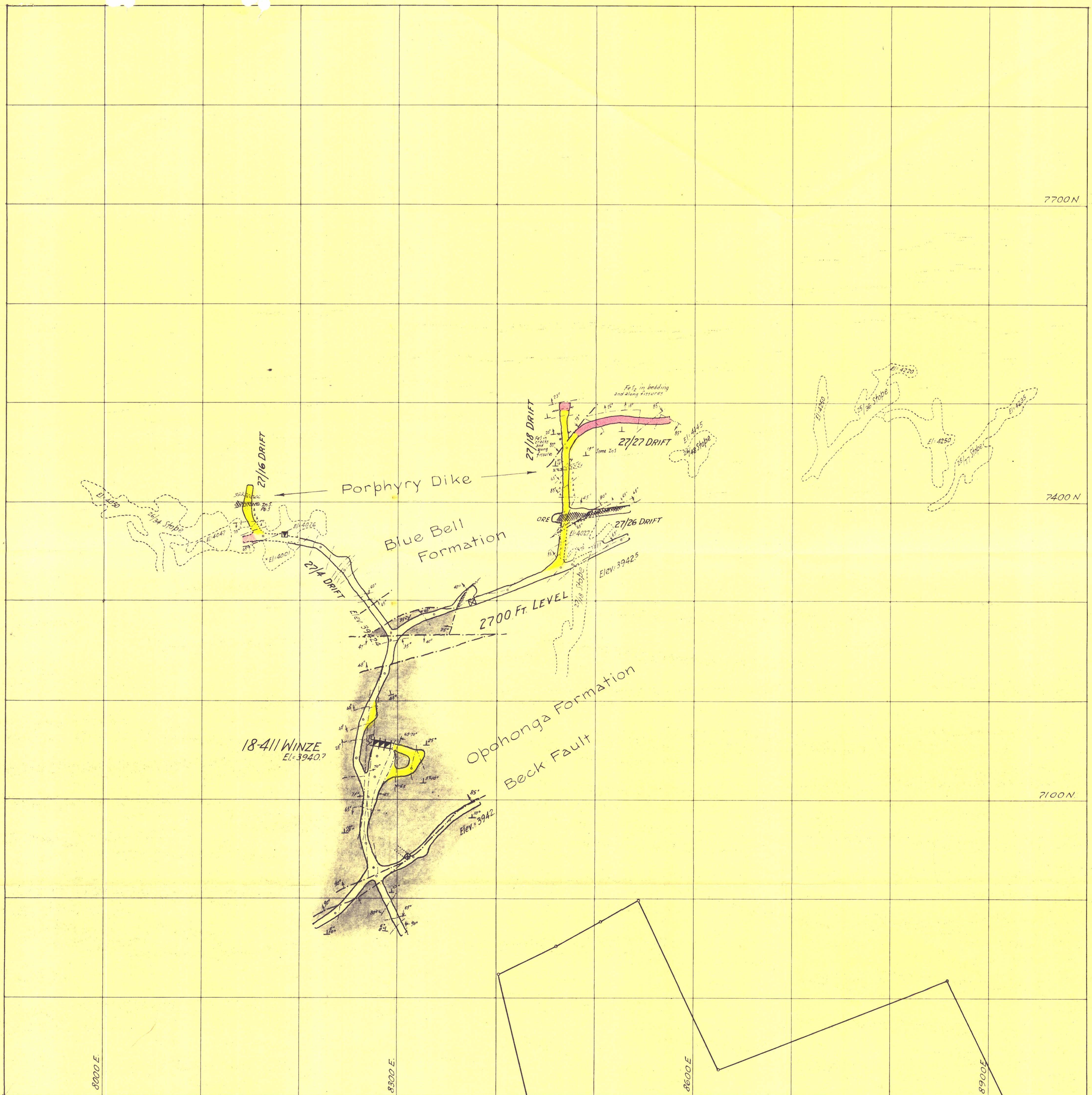
Work done between November 1st, 1951, and December 1st, 1951.

CHIEF CON. MNG. CO.

2700 LEVEL

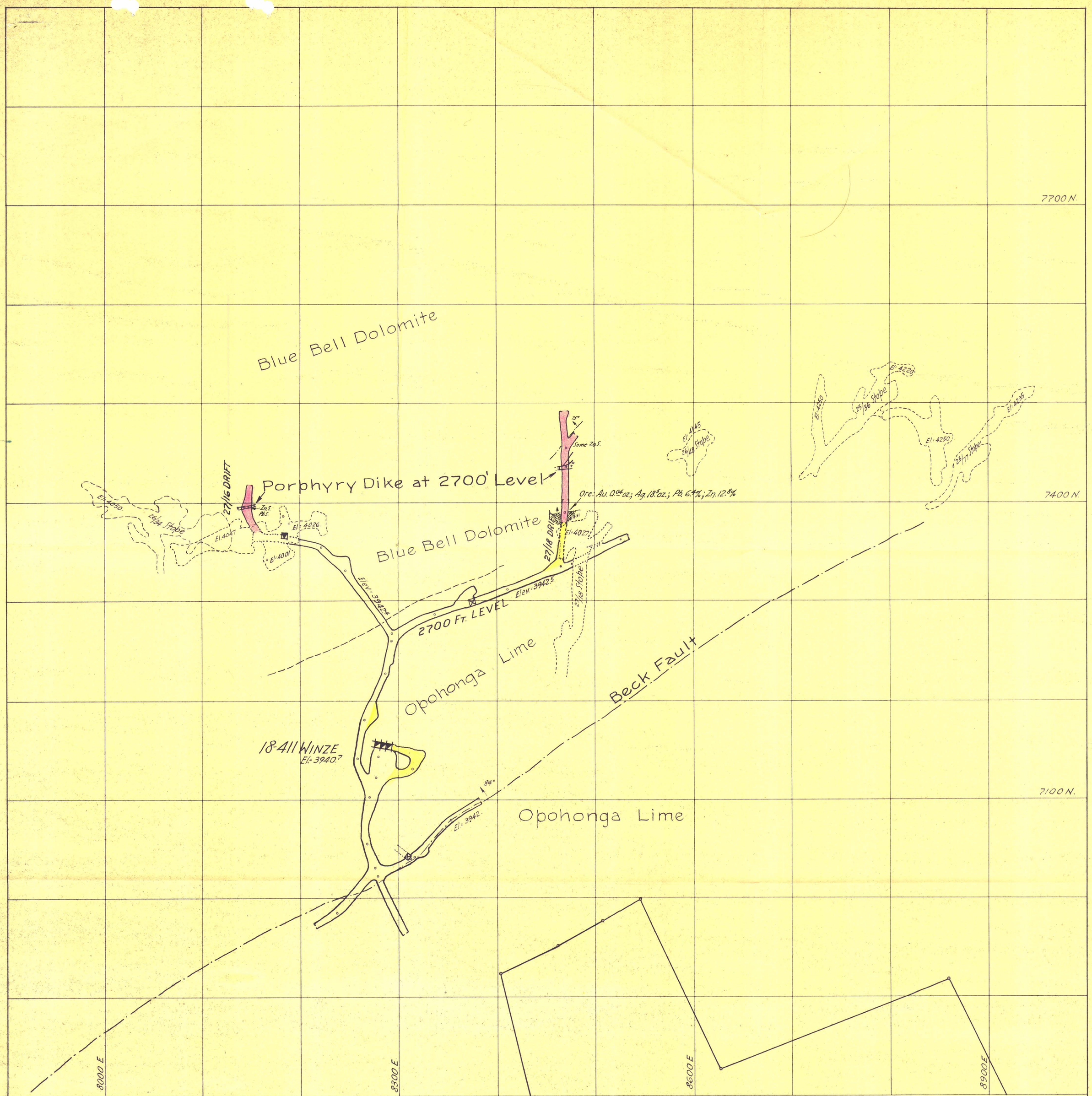
Scale: 50'=1"

EXHIBIT A



CHIEF CON. MNG. CO.
2700 LEVEL
Scale: 50'=1"

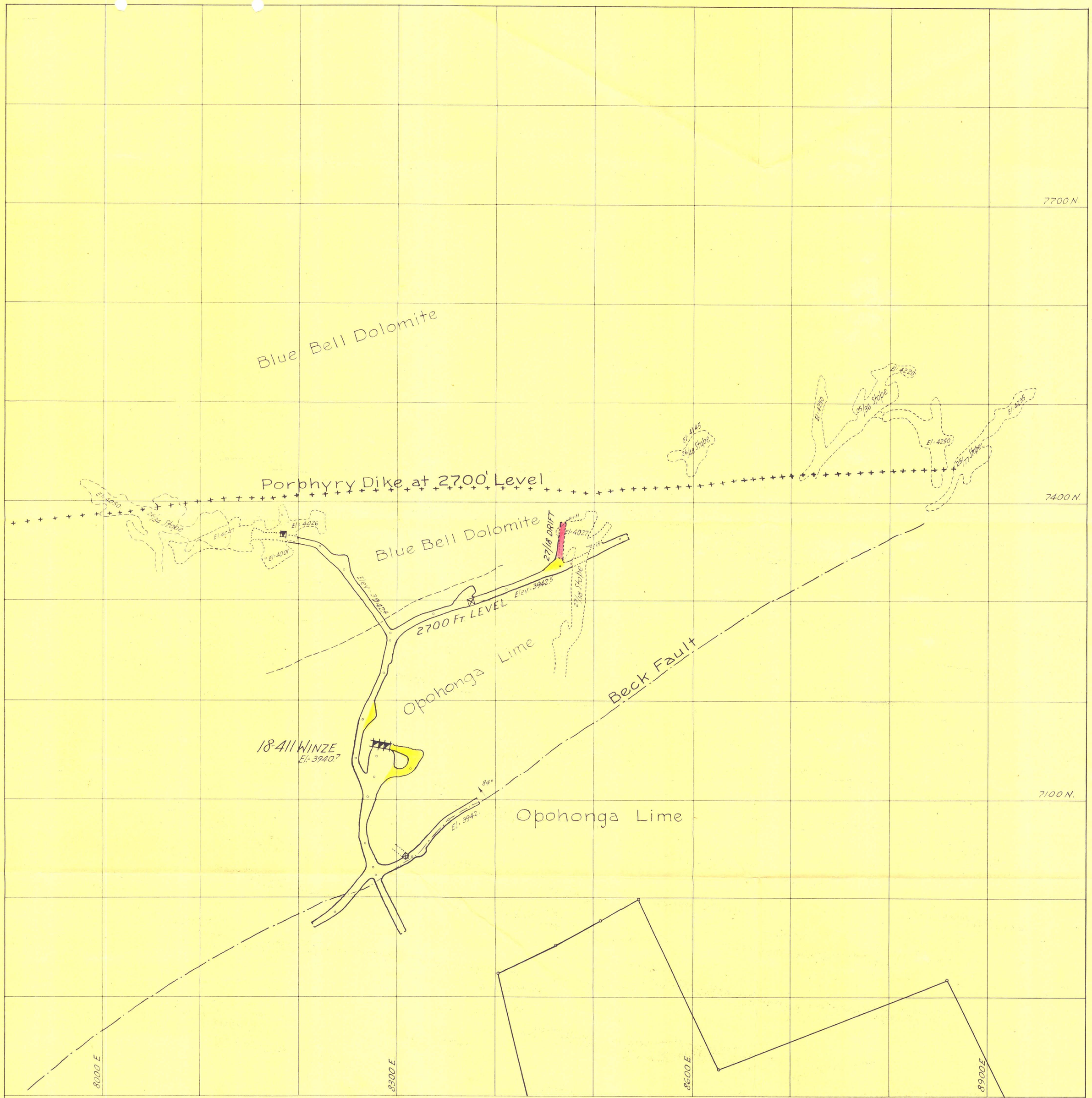
EXHIBIT A



Work done prior to August 1st, 1951.
Work done between August 1st, 1951, and September 1st, 1951.

CHIEF CON. MNG. CO.
2700 LEVEL
Scale: 50'=1"

EXHIBIT A



Work done prior to July 1st, 1951.
Work done between July 1st, 1951, and August 1st, 1951.

CHIEF CON. MNG. CO.
2700 LEVEL
Scale: 50'=1"

EXHIBIT A