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

224 New Customhouse
Denver 2, Colorado

December 29, 1954

Greenwald
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company, Docket DMA 1 & 1A, Contract I-DMA-E4 - Utah

Enclosed are settlement sheets covering ore shipped by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is check No. 02228 from United States Smelting, Refining and Mining Company in payment of royalty on these shipments as follows:

Lot Number 210-GPU-L	$69.35
Lot Number 215-GPU	372.56
	$441.91

W. H. KING

W. H. King

Enclosures

Copy to: Sec. Opr. Comm. (-) w/settlement sheets
Wilson w/settlement sheets
Royalty File E4
Chron

1d

No. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 24, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 216 CFC-L Gold License No.

Sampled by Vidvale Received 12-13-54 Sampled 12-17-54 Assayed 12-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.015	9.5	-	9.2			4.9			1.70 .62
B & D	.018	10.0	.20	9.8			5.2			2.20 .20
C & N Umpire		9.43		9.2			5.05 av.			1.70
Non-Sulphide				1.7			.41			1.70 .41
Settlement Assay	.0165	9.50	.10	7.5	46.6	6.8	4.64	6.8	7.6	

CAR NOS.	WET WEIGHT
RG 72891	
Total Wet Weight	
Sacks	
Net Weight	155840
Less H_2O 1.6 %	2494

METAL VALUE		
Gold 100% @ 22.4643		37
Silver 70 % @ 90.0	5	99
Copper		
Lead	13	84
Zinc	3	22
Gross Value	23	42
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	153346	Payment for	76.673	tons @	19	97	per ton 1531.16
Freight advanced @	61.56	per ton					121.56
Federal Tax 3%							3.65
Assay Charges							7.00
Sampling or Watching Charges	Umpire Charge						12.00
Hauling Charges							
Royalty 5% of $1386.95 Defense Minerals Exploration Administration c/o J. F. King, Executive Officer, DMEA, 224 New Customhouse Denver 2, Colorado							69.35 213 56
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1317 60

E4

[redacted] 77-2 [redacted]

406

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 24, 1954

Purchased From Chief Consolidated Mining Company

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

Mr. Eureka, Utah

Ore Crude Lot No. 215 GFU Gold License No.

Sampled by Melvale Received 12-13-54 Sampled 12-17-54 Assayed 12-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Ox1	PER CENT Ox2
U. S. S. R. & M. Co.	.027	4.9	-	8.7			9.7			.27	.20
B & D	.025	5.3	.20	9.3			10.0			.25	.10
Union Umpire				9.0			9.85 av.				
Non-Sulphide				.26			.15			.26	.15
Settlement Assay	.026	5.1	.10	8.74	27.7	6.6	9.70	11.6	11.0		

CAR NOS.	WET WEIGHT
RG 71255	139160
RG 71972	135160
RG 72604	151560
RG 73184	162880
UP 65790	121900
Total Wet Weight	
Sacks	
Net Weight	710660
Less H_2O 3.0 %	21320

METAL VALUE		
Gold 100% @ 22.4643		58
Silver 70% @ 90.0	3	21
Copper (		
Lead (	15	92
Zinc	7	20
Gross Value	26	91
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 689340 Payment for 344.670 tons @ 23 46 per ton 8085.96

Freight advanced @ 61.71 per ton	607.61	
~~Federal Tax 3%~~	18.23	
Assay Charges	7.00	
Sampling or Watching Charges ~~Umpire Charge~~	2.00	
Hauling Charges		
~~Penalty 5% of $7451.12 Defense Minerals Exploration Administration c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado~~	372.56	1007 40
Amount Withheld Pending Receipt of Silver Affidavit		
Net Payment		7078 56

E4

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

224 New Customhouse
Denver 2, Colorado

December 29, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company, Docket 1 & 1A, Contract I-DMA-E4 - Utah

Enclosed are settlement sheets covering ore shipped by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company. Also enclosed are United States Smelting, Refining and Mining Company checks No. 02125 in the amount $616.29; No. 02171 in the amount of $166.63, and No. 02196 in the amount of $208.29, in payment of royalties on these shipments as follows:

Check Number	Lot Number	Amount
02125	213-GPU	$427.77
"	209-GPU	$188.52
02171	97-GPUS-DMPA	$166.63
02196	98-GPUS-DMPA	$208.29

W. H. KING

W. H. King

Enclosures

cc: Sec. Opr. Comm. (2) w/settlement sheets
Wilson w/settlement sheets
Royalty File Eb
Chron

ld

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company. 608 Tooly Building, Salt Lake City, Utah
Mt Aurora, Utah

Ore Crude Lot No. 213 GFU Gold License No.

Sampled by Mlovale Received 12-10-54 Sampled 12-11-54 Assayed 12-15-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.0 Zinc 11.5

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.02	7.2	-	11.5			10.9			.27 .20
D & D	.025	7.5	.2	11.8			11.2			.15 .10
Umpire				11.65	av.		11.05	av.		
Non-Sulphide				.21			.15			.21 .15
Settlement Assay	.0225	7.35	.1	11.44	29.3	7.3	10.9	12.1	8.8	

CAR NOS.	WET WEIGHT
UP 64098	97660
UP 64727	120940
BG 46409	112000
BG 72202	149240
UP 60113	118280
Total Wet Weight	
Sacks	
Net Weight	598120
Less H_2O 2.9 %	17346

METAL VALUE		
Gold 100% @ 22.1643		51
Silver 70 % @ 90.0	4	63
Copper (		
Lead (	21	39
Zinc	8	22
Gross Value	34	75
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	580774	Payment for	290.387	tons @	31	30	per ton	9089.11
Freight advanced @	1.71	per ton					511.39	
Federal Tax 3%							15.34	
Assay Charges							7.00	
Sampling or Watching Charges								
Hauling Charges								
Royalty 5% of $8555.38 Defense Minerals Exploration Administration c/o H.H.King, Executive Officer, DMEA, 224 New Custom house, Denver 2, Colorado							427.77	961 50
Amount Withheld Pending Receipt of Silver Affidavit								
Net Payment								8127 61

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FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
S/: Eureka, Utah

Ore Crude Lot No. 209 CMU Gold License No.

Sampled by Midvale Received 12-6-54 Sampled 12-10-54 Assayed 12-11-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.0 Zinc 11.5

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.025	4.7	–	6.2			7.4			.20 .18
D & P	.025	4.9	.2	6.6			7.7			.25 .15
I & N Umpire				6.5			7.55 av.			
Non-Sulphide				.23			.17			.23 .17
Settlement Assay	.025	4.8	.1	6.27	32.8	6.3	7.38	7.6	11.9	

CAR NOS.	WET WEIGHT
BG 73415	136320
BG 73320	130620
BG 46085	113760
BG 71657	137800
Total Wet Weight	
Sacks	
Net Weight	518500
Less H_2O 2.6 %	13482

METAL VALUE		
Gold 100% @22.4643		56
Silver 70 % @ 90.0	3	02
Copper		
Lead	11	00
Zinc	5	31
Gross Value	19	89
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	505018	Payment for	252.509	tons @	16 44	per ton	4151.25
Freight advanced @	$1.40	per ton				362.95	
Federal Tax 3%						10.89	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3770.41 Defense Minerals Exploration Administration c/o W.H.Ring, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						188.52	569 36
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3581 89

E4

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 22, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Mooly Building, Salt Lake City, Utah
SP: Durein, Utah

Ore Crude Lot No. 97-GPS-TPA-Prod Gold License No.

Sampled by McCrle Received 12-10-54 Sampled 12-14-54 Assayed 12-15-54

Metal Quotations—Gold 34.5625 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxFbOxZn
U. S. S. R. & M. Co.	.02	6.70	-	5.4			8.0			.20 .20
B & D	.018	6.90	.20	5.8			7.8			.25 .10
C & N Umpire				5.6			7.9 av.			
Non-Sulphide				.23			.15			.23 .15
Settlement Assay	.019	6.80	.20	5.37	46.6	7.5	7.75	8.0	8.0	

CAR NOS.	WET WEIGHT
UP 62382	66340
UP 62793	101960
UP 65450	103880
UP 63776	100120
UP 66234	97880
Total Wet Weight	
Sacks	
Net Weight	470180
Less H_2O 2.1 %	9874

METAL VALUE		
Gold 100% @ 22.4643		43
Silver 70% @ 90.0	4	28
Copper (		
Lead (	9	30
Zinc	5	60
Gross Value	19	61
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 460306	Payment for 230.153 tons @ 16 16 per ton		3719	27
Freight advanced @ $1.56 per ton		366.74		
Federal Tax 3%		11.00		
Assay Charges		7.00		
Sampling or Watching Charges Umpire Charge		2.00		
Hauling Charges				
Royalty 5% of $3332.53 Defense Minerals Exploration Administration c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado		166.63	553	37
Amount Withheld Pending Receipt of Silver Affidavit				
Net Payment			3165	90

E4

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 23, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 98-[illegible]-[illegible]A-Prod Gold License No.

Sampled by Midwle Received 12-13-54 Sampled 12-15-54 Assayed 12-16-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Pb/Zn
U. S. S. R. & M. Co.	.02	6.8	–	6.2			8.3			.20 .20
B & T	.025	7.5	.20	7.0			8.5			.25 .15
Ferdwell Umpire		7.08		6.5			8.4 av.			
Non-Sulphide				.23			.18			.23 .18
Settlement Assay	.0225	7.08	.10	6.27	48.1	6.6	8.22	8.4	7.1	

CAR NOS.	WET WEIGHT
UP 64112	106200
UP 64047	94520
UP 63461	102460
UP 64649	102840
UP 65197	102320
Total Wet Weight	
Sacks	
Net Weight	508340
Less H_2O 2.4 %	12200

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70% @ 90.0	4	46
Copper		
Lead	11	00
Zinc	5	98
Gross Value	21	95
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrator		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 496140	Payment for 248.070	tons @	18	50	per ton	4589.30	
Freight advanced @ $1.56 per ton					396.51		
Federal Tax 3%					11.90		
Assay Charges					7.00		
~~Sampling or Watching Charges~~ Umpire Charge					8.00		
Hauling Charges							
Royalty 5% of $4165.89 Defense Minerals Exploration Administration c/o [illegible].E.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					208.29	631	70
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						3957	60

E4

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

224 New Customhouse
Denver 2, Colorado

December 22, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 and 1A, Contract E4, Utah

Enclosed are settlement sheets covering ore shipped by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company. Also enclosed are United States Smelting, Refining and Mining Company checks No. 02028 in the amount of $1121.54; No. 02083 in the amount of $586.56; and No. 02111 in the amount of $305.16, in payment of royalties on these shipments as follows:

Check Number	Lot Number	Amount
02028	92-GPUS-DMPA	$104.45
"	93-GPUS-DMPA	164.74
"	94-GPUS-DMPA	238.87
"	208 GPU	561.84
"	210 GPU-L	51.64
		$1121.54
02083	91 GPUS-DMPA	$144.57
"	95 GPUS-DMPA	169.04
"	211 GPU	252.61
"	212 AGPU-L	20.34
		$586.56
02111	96-GPUS-DMPA	$172.32
"	212-GPU-L	50.66
"	214-GPU-L	82.18
		$305.16

W. H. KING

W. H. King

Enclosures

ld

Copy to: Royalty File E4
Sec. to Opr. Comm. (2) w/enc. settlement sheets
Wilson w/enc settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 14, 1954

Purchased From Chief Consolidated Mining Company

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

SP: Eureka, Utah

Ore Crude Lot No. 92-CCU-1PA-Prot Gold License No.

Sampled by Levalo Received 11-26-54 Sampled 12-2-54 Assayed 12-3-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxidized
U. S. S. R. & M. Co.	.015	5.0	-	4.7			6.4			.23 .20
E & D	.020	5.3	.20	4.8			6.9			.10 .10
Umpire				4.75 av.			6.65 av.			
Non-Sulphide				.17			.15			.17 .15
Settlement Assay	.0175	5.15	.10	4.58	43.6	4.2	6.50	6.4	10.6	

CAR NOS.	WET WEIGHT
UP 63069	95400
UP 62948	96800
UP 66261	99900
UP 64040	99280
UP 65355	100160
Total Wet Weight	
Sacks	
Net Weight	491540
Less H_2O 2.0 %	9830

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	3	24
Copper (		
Lead (	7	30
Zinc	4	62
Gross Value	15	55
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concentrator		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	481710	Payment for	240.855	tons @	12	10	per ton 2914.35
Freight advanced @	$1.17	per ton					287.55
Federal Tax 3%							8.63
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 4% $2611.17 Defense Minerals Exploration Administration c/o W. H. King, Executive Officer, DMEA, 224 New Custom house, Denver 2, Colorado							104.45 407 63
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2506 72

Mining Division
Date Rec'd.
DEC 17 1954
BUREAU OF MINES
Denver, Colorado

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 14, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah

Ore Crude — Lot No. 93-GPU-DPL-Prod — Gold License No.

Sampled by Vidvale — Received 12-1-54 — Sampled 12-4-54 — Assayed 12-6-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaO	PER CENT MgO
U. S. S. R. & M. Co.	.02	4.9	-	5.6			6.5			.20	.20
B & D	.025	5.3	.2	6.0			6.6			.25	.10
B & D Umpire				6.0			6.55 av.				
Non-Sulphide				.23			.15			.23	.15
Settlement Assay	.0225	5.1	.10	5.77	49.4	6.2	6.40	7.6	8.1		

CAR NOS.	WET WEIGHT
UP 62600	92380
UP 62102	130320
UP 64915	78480
UP 62671	108180
UP 66198	95240
Weight to be used for hauling purposes is 506120	
~~Total Wet Weight~~ *80,000# minimum	
Sacks	
Net Weight	504600
Less H_2O 2.2 %	11102

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	3	21
Copper (		
Lead (	10	05
Zinc	4	54
Gross Value	18	31
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 493498	Payment for 246.749	tons @	14	86	per ton	3666.69
Freight advanced @ 1.40 per ton					354.28	
Federal Tax 3%					10.63	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $3294.78 Defense Minerals Exploration Administration c/o R.H.King, Executive Officer, DMEA, 224 New Custerhouse Denver 2, Colorado					164.74	536 65
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3130 04

Mining Division
Date Rec'd.

DEC 17 1954

BUREAU OF MINES
Denver, Colorado

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 14, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
Sp: Eureka, Utah

Ore Crude Lot No. 94-CPUE-UMA-Prod Gold License No.

Sampled by Midvale Received 12-3-54 Sampled 12-7-54 Assayed 12-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Ox(Pb)xZn
U. S. S. R. & M. Co.	.017	6.9	-	9.2			7.3			1.40 .20
D & D	.025	7.1	.20	9.4			7.4			1.30 .15
Umpire				9.3 av.			7.35 av.			
Non-Sulphide				1.35			.18			1.35 .18
Settlement Assay	.021	7.0	.10	7.95	48.9	6.8	7.17	8.4	6.1	

CAR NOS.	WET WEIGHT
UP 63494	90440
UP 64780	103060
UP 62703	106880
UP 65338	112660
UP 63699	91520
Total Wet Weight	
Sacks	
Net Weight	504560
Less H_2O 3.1 %	15642

METAL VALUE		
Gold 100% @ 22.4643		47
Silver 70% @ 90.0	4	41
Copper (		
Lead (	14	65
Zinc	5	15
Gross Value	24	68
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrator		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 488918	Payment for 244.459	tons @	21.23	per ton.	5189	86
Freight advanced @ 21.56	per ton			393.56		
Federal Tax 3%				11.81		
Assay Charges				7.00		
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $4777.49 Defense Minerals Exploration Administration				238.87	651	24
c/o W.E.King, Executive Officer, MEA, 224 New Customhouse, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					4538	62

Mining Division
Date Rec'd.

DEC 17 1954

BUREAU OF MINES
Denver, Colorado

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 14, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Tooly Building, Salt Lake City, Utah
Or Eureka, Utah

Ore Crude Lot No. 208 GU Gold License No.

Sampled by Midvale Received 12-1-54 Sampled 12-6-54 Assayed 12-7-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cl	PER CENT Zn
U. S. S. R. & M. Co.	.02	10.4	-	14.4			10.8			.30	.20
D & T	.025	11.0	.2	14.9			11.4			.20	.20
C & D Umpire		10.83		14.7			10.9				
Non-Sulphide				.25			.20			.25	.20
Settlement Assay	.0225	10.83	.10	14.45	32.6	8.2	10.7	12.4	6.0		

CAR NOS.	WET WEIGHT
UP 60091	146420
UP 62652	119120
UP 65504	137180
UP 65560	111700
UP 65577	112520
Total Wet Weight	
Sacks	
Net Weight	606940
Less H_2O. 2.1 %	12746

METAL VALUE		
Gold 100% @ 22.4613		51
Silver 80 % @ 90.0	7	80
Copper (		
Lead (	26	98
Zinc	8	06
Gross Value	43	35
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	524194	Payment for	297.097	tons @	39	90	per ton 11854.17
Freight advanced @	1.94	per ton					588.73
Federal Tax 3%							17.66
Assay Charges							7.00
~~Sampling or Watching Charges~~		Umpire Charge					4.00
Hauling Charges							
Royalty 5% of $11236.76 Defense Minerals Exploration Administration							561.84
c/o W.H.King, Executive Officer, DMEA, 224 New Custo house, Denver 2, Colorado							1179 23
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							10674 94

Mining Division
Date Rec'd.

DEC 17 1954

BUREAU OF MINES
Denver, Colorado

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 14, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
c/o: Eureka, Utah

Ore Crude Lot No. 210 GPU-L Gold License No.

Sampled by Hidvalo Received 12-1-54 Sampled 12-6-54 Assayed 12-7-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxidized Zn
U. S. S. R. & M. Co.	.02	5.0	-	5.8			8.4			.30 .27
B & I	.018	5.3	.2	6.0			8.9			.20 .15
Umpire				5.9 av.			8.65 av.			
Non-Sulphide				.25			.21			.25 .21
Settlement Assay	.019	5.15	.10	5.65	41.4	5.8	8.44	7.6	9.4	

CAR NOS.	WET WEIGHT
RG 71882	
Total Wet Weight	
Sacks	
Net Weight	145520
Less H_2O 3.0 %	4366

METAL VALUE		
Gold 100% @ 22.4643		43
Silver 70% @ 90.0	3	24
Copper (		
Lead (	9	83
Zinc	6	17
Gross Value	19	67
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 141154 Payment for 70.577 tons @ 16 22 per ton		1144	76
Freight advanced @ $1.40 per ton	101.86		
Federal Tax 3%	3.06		
Assay Charges	7.00		
Sampling or Watching Charges			
Hauling Charges			
Royalty 5 % of $1032.84 Defense Minerals Exploration Administration	51.64	163	56
c/o W.H. King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado			
Amount Withheld Pending Receipt of Silver Affidavit			
Net Payment		981	20

Mining Division
Date Rec'd.
DEC 17 1954
BUREAU OF MINES
Denver, Colorado

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

Ely Eureka, Utah

Ore Crude Lot No. 91 GFUS-UTA-Prod Gold License No.

Sampled by Michele Received 11-26-54 Sampled 12-7-54 Assayed 12-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbon
U. S. S. R. & M. Co.	.015	5.1	-	6.1			7.2			.63 .22
R & E	.02	5.3	.20	6.5			7.5			.30 .15
Union Umpire				5.9			7.35 av.			.70
Non-Sulphide				.63			.19			.63 .19
Settlement Assay	.0175	5.2	.10	5.47	42.1	4.8	7.16	6.8	10.1	

CAR NOS.	WET WEIGHT
UP 63779	110560
UP 64702	95920
UP 63442	95780
RG 45066	140640
Total Wet Weight	
Sacks	
Net Weight	442900
Less H_2O 2.5 %	11072

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	3	28
Copper (		
Lead (	9	58
Zinc	5	14
Gross Value	18	39
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 431828	Payment for 215.914 tons @	14 94	per ton	3225.76	
Freight advanced @ 1.40 per ton			310.03		
Federal Tax 3%			9.30		
Assay Charges			7.00		
~~Sampling or Watching Charges~~ Umpire Charge			8.00		
Hauling Charges					
Royalty 5% of $2891.43 Defense Minerals Exploration Administration c/o L.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado			144.57	478	90
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment				2746	86

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FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 16, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Wooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 95-CUS-DMA-Prod Gold License No.

Sampled by Hidvalo Received 12-6-54 Sampled 12-9-54 Assayed 12-10-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.0 Zinc 11.5

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	OxZn
U. S. S. R. & M. Co.	.02	4.8	-	6.0			6.1			.97	.20
D & F	.025	5.1	.2	6.2			6.3			.70	.15
Umpire				6.1 av.			6.2 av				
Non-Sulphide				.84			.16			.84	.18
Settlement Assay	.0225	4.95	.10	5.26	37.2	4.9	6.02	7.0	12.9		

CAR NOS.	WET WEIGHT
RC 73502	184160
RC 73641	171000
UP 63241	96140
UP 63677	107620
Total Wet Weight	
Sacks	
Net Weight	559520
Less H_2O 2.6 %	14548

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70% @ 90.0	3	12
Copper (		
Lead (	9	24
Zinc	4	25
Gross Value	17	12
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	544972	Payment for	272.486	tons @	13 67	per ton	3724.88
Freight advanced @	$1.17	per ton				327.32	
Federal Tax 3%						9.82	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3380.74 Defense Minerals Exploration Administration						169.04	513 18
c/o W. H. King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3211 70

E4

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 16, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Leary Building, Salt Lake City, Utah
Ft. Duro, Utah

Ore Crude Lot No. 211-CPU Gold License No.

Sampled by Hidvale Received 12-3-54 Sampled 12-9-54 Assayed 12-10-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.0 Zinc 11.5

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ~~OxPbOZn~~
U. S. S. R. & M. Co.	.025	7.6	-	10.9			8.9			.20 .18
B & F	.03	8.0	.2	11.5			9.2			.15 .15
Darcwell Empire				11.5			9.05 av.			
Non-Sulphide				.18			.17			.18 .17
Settlement Assay	.0275	7.8	.1	11.32	21.6	7.6	8.88	12.4	8.8	

CAR NOS.	WET WEIGHT
UP 66247	109860
UP 63770	112100
RC 72295	148760
Total Wet Weight	
Sacks	
Net Weight	370720
Less H_2O 2.4 %	8898

METAL VALUE		
Gold 100% @ 22.4643		62
Silver 70 % @ 90.0	4	91
Copper		
Lead	21	17
Zinc	6	52
Gross Value	33	22
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	361822	Payment for	180.911	tons @	29	77	per ton 5385.72
Freight advanced @	21.71	per ton					316.97
Federal Tax 3%							9.51
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $5052.24 Defense Minerals Exploration Administration							252.61 586 09
c/o W.H.King, Executive Officer, 1184, 224 New Customhouse,							
Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4799 63

E4

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 15, 1954

706 Correction account lot number and Royalty payment to Defense Minerals Exploration Administration

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah
City, Eureka, Utah

Ore Crude Lot No. 212-ACFU-L Gold License No.

Sampled by Midvale Received 11-13-54 Sampled 11-17-54 Assayed 11-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CuPbCuZn
U. S. S. R. & M. Co.	.01	10.1	-	4.0			3.5			.20 .21
D & D	.018	10.8	.20	4.7			3.7			.25 .10
Union Umpire		10.29		4.0			3.6 av.			
Non-Sulphide				.23			.16			.23 .16
Settlement Assay	.014	10.29	.10	3.77	53.6	6.0	3.44	6.2	8.1	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
BG 47314		Gold 100% @ 22.4643		31	Treatment Base 30% Lead	3	95
		Silver 80 % @ 90.0	7	43	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	6	04	Insoluble		
		Zinc	1	77	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit e/c concession		50
Sacks					Total Debit	3	45
Net Weight	115740	Gross Value	15	53	Iron Credit		
Less H_2O 2.8 %	3240	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 112500	Payment for 56.250	tons @	12	08	per ton	679.50
Freight advanced @ $1.40	per ton				$1.02	
Federal Tax 3%					2.43	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					8.00	
Hauling Charges						
Royalty 3.5% of $581.05 Defense Minerals Exploration Administration c/o M.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					20.34	118 79
TOTAL NET PROCEEDS						560 71
FREIGHT CONTINGENT						561 05
NET PROCEEDS TO U.S.S.R. & M. CO.						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						

EA

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 17, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Kooly Building, Salt Lake City, Utah
Or Eureka, Utah

Ore Crude Lot No. 96-CHS-[illegible]-Prod Gold License No.

Sampled by Mcvale Received 12-9-54 Sampled 12-12-54 Assayed 12-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.0 Zinc 11.5

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.02	5.9	-	6.3			7.1			.70	.20
B & T	.025	6.3	.20	6.5			7.2			.70	.20
Umpire				6.4 av.			7.15 av.				
Non-Sulphide				.70			.20			.70	.20
Settlement Assay	.0225	6.1	.10	5.7	49.7	7.0	6.95	7.2	7.0		

CAR NOS.	WET WEIGHT
UP 64124	88060
UP 66328	101160
UP 62051	93180
UP 63769	99600
UP 62016	109740
Total Wet Weight	
Sacks	
Net Weight	492340
Less H_2O 2.7 %	13294

METAL VALUE		
Gold 100% @22.4643		51
Silver 70 % @90.0	3	84
Copper (		
Lead (	10	03
Zinc	4	97
Gross Value	19	35
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit s/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	479046	Payment for	239.523	tons @	15	90	per ton	3808.42
Freight advanced @	$1.40	per ton					344.64	
Federal Tax 3%							10.34	
Assay Charges							7.00	
Sampling or Watching Charges								
Hauling Charges								
Royalty 5% of $3446.44 Defense Minerals Exploration Administration c/o L.H.King, Executive Officer, DMEA, 224 New Custerhouse, Denver 2, Colorado							172.32	534 30
Amount Withheld Pending Receipt of Silver Affidavit								
Net Payment								3274 12

E4

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 17, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
Mt. Eureka, Utah

Ore Crude Lot No. 212-CMU-1 Gold License No.

Sampled by Buffalo Received 12-3-54 Sampled 12-9-54 Assayed 12-10-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.0 Zinc 11.5

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaFbO3
U. S. S. R. & M. Co.	.025	6.2	-	8.0			5.8			.27 .27
B. C. D.	.035	6.4	.2	8.5			6.2			.25 .20
G. C. D. Umpire				7.9			6.0 av.			
Non-Sulphide				.26			.24			.26 .24
Settlement Assay	.03	6.3	.1	7.74	43.1	5.6	5.76	7.2	9.1	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RG 47123		Gold 100% @ 22.4643		67	Treatment Base 30% Lead	3	95
		Silver 70 % @ 90.0	3	97	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	13	88	Insoluble		
		Zinc	4	06	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	119760	Gross Value	22	58	Iron Credit		
Less H_2O 2.2 %	2634	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs.	117126	Payment for	58.563	tons @	19 13	per ton	1120.31
Freight advanced @	$1.56	per ton				93.41	
~~Federal Tax 3%~~						2.80	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				4.00	
Hauling Charges							
~~Royalty 5% of $1013.10 Defense Minerals Exploration Administration c/o W. E. Pine, Executive Officer, DMEA, 274 New Customhouse, Denver 2, Colorado~~						50.66	157 87
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							962 44

EA

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 17, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Crude Lot No. 214 CFU-1 Gold License No.

Sampled by Mevale Received 12-9-54 Sampled 12-12-54 Assayed 12-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.0 Zinc 11.5

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/PbOxZn
U. S. S. R. & M. Co.	.015	9.2	-	9.8			5.4			1.47 .47
R & D	.02	9.6	.2	10.1			5.3			1.30 .25
Umpire				9.95 av.			5.35 av.			
Non-Sulphide				1.39			.36			1.39 .36
Settlement Assay	.0175	9.4	.1	8.56	42.2	6.4	4.99	7.0	9.0	

CAR NOS.	WET WEIGHT
RG 72087	
Total Wet Weight	
Sacks	
Net Weight	164800
Less H_2O 2.1 %	3460

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	5	92
Copper		
Lead	15	92
Zinc	3	48
Gross Value	25	71
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	161340	Payment for	80.670	tons @	22	26	per ton 1795.71
Freight advanced @	1.71	per ton					140.90
Federal Tax 3%							4.23
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $1643.58 Defense Minerals Exploration Administration c/o W.T.King, Executive Officer, RMSA, 224 New Customhouse, Denver 2, Colorado							82.18 234 31
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1561 40

E4

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

224 New Customhouse
Denver 2, Colorado

December 15, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 89-GPUS-DMPA, 90-GPUS-DMPA, 203-GPU, 204-GPU, 205-GPU, and 207-GPU, by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed are United States Smelting, Refining and Mining Company's checks, No. 01869 in the amount of $1301.24, and No. 01959 in the amount of $294.64, in payment of royalties on these shipments as follows:

89-GPUS-DMPA	$146.72
90-GPUS-DMPA	247.74
203-GPU	305.39
204-GPU	64.37
205-GPU	537.02
	$1301.24
207-GPU	$294.64

W. H. King

Enclosures

2

Copy to: Royalty File E4
Sec. to Opr. Comm. (2) w/one. settlement sheets
Wilson w/one. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 6, 1954

Purchased From Chief Consolidated Mining Company

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

[illegible], Utah

Ore Cruco Lot No. 63-CU-D-PA-STOP Gold License No.

Sampled by Morris Received 11-22-54 Sampled 11-26-54 Assayed 11-27-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Calbonate
U. S. S. R. & M. Co.	.02	5.7	–	4.9			7.9			.27 .20
B & S	.015	6.0	.20	5.1			8.8			.10 .10
Union Umpire				5.0 av.			8.0			
Non-Sulphide				.19			.15			.19 .15
Settlement Assay	.0175	5.85	.10	4.81	78.0	4.7	7.85	6.8	0.3	

CAR NOS.	WET WEIGHT
UP 63441	97380
UP 63632	95440
UP 60065	99620
UP 65874	96500
UP 60143	95320
Total Wet Weight	
Sacks	
Net Weight	484260
Less H_2O 2.6 %	12590

METAL VALUE		
Gold 100% @ 22.4143		30
Silver 70% @ 90.0	3	69
Copper		
Lead	7	66
Zinc	5	08
Gross Value	17	43
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit B/C concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	471670	Payment for	235.835	tons @	13 97	per ton	3294.61
Freight advanced @	1.40	per ton				330.98	
Federal Tax 3%						10.17	
Assay Charges						7.00	
~~Sampling or Weighing Charges~~ Umpire Charge						4.00	
Hauling Charges							
Royalty 5% of $2934.46 Referee Lincoln Exploration Administration						146.72	586.87
c/o W.E.King, Executive Officer, WSB, 202 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2707 74

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 6, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooele Building, Salt Lake City, Utah
Mt. Aurelia, Utah

Ore Crude Lot No. 90-[illegible] Gold License No.

Sampled by Fitwale Received 11-24-54 Sampled 11-29-54 Assayed 11-30-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Arsenic
U. S. S. R. & M. Co.	.02	7.4	-	8.7			6.10			.00 .20
B & B	.025	7.8	.20	9.0			8.40			.50 .10
Umpire				8.85 av.			8.25 av.			
Non-Sulphide				.65			.15			.65 .15
Settlement Assay	.0225	7.0	.10	8.20	42.6	6.3	8.10	8.4	8.0	

CAR NOS.	WET WEIGHT
UP 66432	92440
UP 65054	104440
UP 66589	95880
UP 65238	85760
UP 62402	108800
Total Wet Weight	
Sacks	
Net Weight	490320
Less H_2O 2.9 %	14210

METAL VALUE	
Gold 100% @ 22.4643	51
Silver 70% @ 90.0	4 70
Copper	
Lead	14 03
Zinc	5 89
Gross Value	26 12
Less Working Charge	3 45

WORKING CHARGE	
Treatment Base 30% Lead	3 95
Credit Acc't Over 30% Pb.	
Debit Acc't Under 30% Pb.	
Insoluble	
Zinc Charge, excess over 6%	
Sulphur Charge, excess over 2%	
Arsenic Charge, excess over 2%	
Credit a/c concentrates	50
Total Debit	3 45
Iron Credit	
Net Working Charge	

Dry Weight, lbs. 475810 Payment for 237.905 tons @ 22 67 per ton 5393.31

Freight advanced @ 21.71 per ton	410.97	
Federal Tax 3%	12.57	
Assay Charges	7.00	
Sampling or Watching Charges		
Hauling Charges		
Royalty 5% of $4954.77 Colorado Minerals Exploration Administration c/o L.E.Kirr, Executive Officer, R.A. 224 Exr Centerfuse, Denver 2, Colorado	247.74	696.28
Amount Withheld Pending Receipt of Silver Affidavit		
Net Payment		4707 03

FORM C.Q. 77-2

705

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 6, 1954

Purchased From Chief Consolidated Mining Company

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

Mail: Eureka, Utah

Ore Crude Lot No. 203-[illegible] Gold License No.

Sampled by [illegible] Received 11-[illegible]-54 Sampled 11-28-54 Assayed 11-29-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Arsenic
U. S. S. R. & M. Co.	.03	5.3	-	8.6			8.0			.20 .18
[illegible]	.025	5.8	.20	8.0			8.6			.10 .10
[illegible] Umpire				8.7 av.			8.7			
Non-Sulphide				.15			.16			.15 .14
Settlement Assay	.025	5.55	.10	8.55	31.0	6.8	8.46	10.2	11.2	

CAR NOS.	WET WEIGHT
UP 63654	109400
UP 69919	11[illegible]
[illegible] 45[illegible]1	1[illegible]320
[illegible] 48704	135160
[illegible] 72445	133[illegible]
Total Wet Weight	
Sacks	
Net Weight	613500
Less H_2O 3.1 %	19018

METAL VALUE		
Gold 100% @ 22.6642		51
Silver 70 % @ 90.0	3	50
Copper		
Lead	15	49
Zinc	6	38
Gross Value	25	68
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	59422	Payment for	297.241	tons @	22	23	per ton 6607.67
Freight advanced @	1.56	per ton					478.53
Federal Tax 3%							14.30
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of 6107.78 Defense Minerals Exploration Administration							305.39
c/o [illegible]							305 28
[illegible] Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5802 39

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

786

Salt Lake City, Utah, December 6, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Boston Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 274[illegible] Gold License No.

Sampled by Fidelo Received 11-15-54 Sampled 12-1-54 Assayed 12-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.025	7.2	–	9.90			8.7			.20 .18
[illegible]	.020	7.4	.20	10.20			9.0			.10 .20
Umpire				10.05 av.			8.85 av.			
Non-Sulphide				.15			.19			.15 .19
Settlement Assay	.0225	7.3	.10	9.90	35.7	6.2	8.66	8.8	9.6	

CAR NOS.	WET WEIGHT
UP 66270	
Total Wet Weight	
Sacks	
Net Weight	106700
Less H_2O 2.8 %	3000

METAL VALUE		
Gold 100% @ 22.4603		51
Silver 70 % @ 90.0	4	60
Copper		
Lead	19	30
Zinc	6	32
Gross Value	29	75
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o conversion		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 105714 Payment for 52.857 tons @ 26 30 per ton 1300.14

Freight advanced @ 1.71 per ton	90.99	
Federal Tax 3%	2.70	
Assay Charges	7.00	
Sampling or Watching Charges		
Hauling Charges		
Royalty 5% of $1207.36 Informal Uranium Exploration Administration c/o L. M. King, Executive Officer, [illegible], 204 Ibex Warehouse, Denver 2, Colorado	64.37	167 15
Amount Withheld Pending Receipt of Silver Affidavit		
Net Payment		1[illegible] 99

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 6, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Loop Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude *Lot No.* 205 CTU *Gold License No.*

Sampled by Howell *Received* 11-22-54 *Sampled* 11-27-54 *Assayed* 11-27-54

Metal Quotations—Gold 34.9125 *Silver* 90.0 *Copper, N. Y.* *Lead, N. Y.* 15.00 *Zinc* 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.02	12.3	-	17.2			12.4			.20 .20
D G P	.025	12.6	.20	17.3			12.8			.10 .10
Umpire				17.25 av.			12.6 av.			
Non-Sulphide				.15			.15			.15 .15
Settlement Assay	.0225	12.45	.10	17.10	32.2	9.3	12.45	14.3	4.8	

CAR NOS.	WET WEIGHT
UP 66722	125000
UP 65965	120020
UP 63755	121580
UP 65927	119420
Total Wet Weight	
Sacks	
Net Weight	486020
Less H_2O 2.1 %	10226

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 87 % @ 90.0	8	96
Copper		
Lead	31	68
Zinc	9	58
Gross Value	90	93
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	05
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		80
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 476696	Payment for 238.347	tons @	47 48	per ton	11316.72	
Freight advanced @ 12.27	per ton			552.65		
Federal Tax 3%				16.50		
Assay Charges				7.00		
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of 10740.49 Tafonso Minerals Exploration Administration				537.02	1113	85
c/o U.S. Mine Inspection Office, USA, 224 Sou Customhouse, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					10,203	47

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 9, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 277 [illegible] Gold License No.

Sampled by [illegible] Received 11-26-54 Sampled 12-2-54 Assayed 12-4-54

Metal Quotations—Gold 35.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 12.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.03	7.0	-	9.6			7.9			.27 .20
D & D	.035	7.5	.20	9.4			8.4			.25 .10
Umpire				9.5 av.			8.15 av.			
Non-Sulphide				.26			.15			.26 .15
Settlement Assay	.0325	7.25	.10	9.24	31.3	7.5	8.00	10.4	10.5	

CAR NOS.	WET WEIGHT
[illegible] 73429	170020
[illegible] 45963	100680
[illegible] 73447	138320
[illegible] 66685	111000
Total Wet Weight	
Sacks	
Net Weight	[illegible]
Less H_2O 2.0 %	10560

Mining Division
Date Rec'd.
DEC 13 1954
BUREAU OF MINES
Denver, Colorado

METAL VALUE		
Gold 100% @ 35.0125		73
Silver 70% @ 90.0	4	57
Copper		
Lead	16	05
Zinc	5	00
Gross Value	29	05
Less Working Charge	5	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. c/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	517160	Payment for [illegible]	tons @	24.00	per ton	[illegible]
Freight advanced @	1.71	per ton			[illegible]	
Federal Tax 3%					13.56	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of [illegible] Defense Minerals Exploration Administration					294.64	294 64
c/o [illegible], Executive Officer, [illegible], 224 New Customhouse, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						5596 15

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

WASHINGTON 25, D. C.

December 8, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 87-GPUS, 88-GPUS, 202-GPU, and 206-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed are United States Smelting, Refining, and Mining Company's checks, No. 01794 in the amount of $869.70, and No. 01830 in the amount of $71.64 in payment of royalties on these shipments as follows:

87-GPUS	$204.96
88-GPUS	201.85
202-GPU	462.89
	$869.70
206-GPU	$ 71.64

W. H. King

Enclosure
mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 2, 1954

Purchased From Chief Consolidated Mining Company

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

Via: Eureka, Utah

Ore Crude Lot No. 87-CMC-DTA-Prod Gold License No.

Sampled by Mfwlo Received 11-18-54 Sampled 11-22-54 Assayed 11-24-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Calb Carb
U. S. S. R. & M. Co.	.02	5.9	-	6.2			8.6			.23 .18
B O D	.02	6.3	.20	6.4			8.8			.25 .20
Umpire				6.3 av.			6.7 av.			
Non-Sulphide				.24			.19			.24 .19
Settlement Assay	.02	6.1	.10	6.06	47.1	4.9	8.51	6.8	8.1	

CAR NOS.	WET WEIGHT
UP 65744	102100
UP 63156	84720
UP 64550	100780
UP 64151	90400
BC 73065	145040
Total Wet Weight	
Sacks	
Net Weight	529040
Less H_2O 3.0 %	15872

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70 % @ 90.0	3	84
Copper		
Lead	10	60
Zinc	6	22
Gross Value	21	11
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	05
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c on cession		60
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	513168	Payment for	256.584	tons @	17 66	per ton	4531.27
Freight advanced @	1.56	per ton				412.65	
Federal Tax 3%						12.36	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $4099.24 Defense Minerals Exploration Administration c/o W. F. King, Executive Officer, DMEA, 224 Pen Custo house, Denver 2, Colorado						204.96	636 99
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3894 28

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 2, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah
Mt. Eureka, Utah

Ore Crude Lot No. 68-GUE-DHA-Prod Gold License No.

Sampled by Miovle Received 11-22-54 Sampled 11-24-54 Assayed 11-24-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cyl/Cyn
U. S. S. R. & M. Co.	.02	5.7		5.9			8.20			.23 .17
[illegible]	.02	6.2	.20	6.6			8.10			.25 .20
[illegible] Umpire				6.3			8.15 av.			
Non-Sulphide				.24			.19			.24 .19
Settlement Assay	.02	5.95	.10	6.06	49.7	4.3	7.96	5.8	8.0	

CAR NOS.	WET WEIGHT
UP 64837	96700
UP 64134	95540
UP 65973	110000
UP 63823	93440
BC 72896	143160
Total Wet Weight	
Sacks	
Net Weight	538860
Less H_2O 3.0 %	16166

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70% @ 90.0	3	75
Copper (		
Lead (	10	60
Zinc	5	78
Gross Value	20	58
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	522694	Payment for	261.347	tons @	17 13	per ton	4476.87
Freight advanced @	1.56	per ton				420.31	
Federal Tax 3%						12.61	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $4036.95 Defense Minerals Exploration Administration c/o L. E. King, Executive Officer DMEA, New Customhouse, Denver 2, Colorado						201.85	641 77
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						3835	10

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 2, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 202 CCU Gold License No.

Sampled by McCrale Received 11-18-54 Sampled 11-19-54 Assayed 11-30-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orthoxin
U. S. S. R. & M. Co.	.03	8.70	-	11.3			9.2			.20 .23
D & D	.025	9.30	.20	12.1			9.5			.20 .10
C C U Umpire		8.82		11.8			9.35 av.			
Non-Sulphide				.2			.17			.20 .17
Settlement Assay	.0275	8.82	.10	11.6	34.4	7.3	9.18	11.0	8.3	

CAR NOS.	WET WEIGHT
FC 46584	132180
UP 65585	109560
UP 66699	111780
UP 65565	130660
RG 72374	159860
Total Wet Weight	
Sacks	
Net Weight	644040
Less H_2O 2.1 %	13524

METAL VALUE		
Gold 100% @ 22.4640		62
Silver 70 % @ 90.0	5	54
Copper		
Lead	21	70
Zinc	6	77
Gross Value	34	65
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	630516	Payment for	315.258	tons @	31 20	per ton	9836.05
Freight advanced @	$1.71	per ton				550.65	
Federal Tax 3%						16.52	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $9257.88 Defense Minerals Exploration Administration						462.89	1041 06
c/o R.E.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							8794 99

FORM C.O. 77-2

UNITED STATES SMELTING, REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 3, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Leary Building, Salt Lake City, Utah
or Eureka, Utah

Ore Cruco Lot No. 206 GFT-L Gold License No.

Sampled by Miwle Received 11-20-54 Sampled 11-24-54 Assayed 11-26-54

Metal Quotations—Gold 24.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Gr.	PER CENT Gr.
U. S. S. R. & M. Co.	.015	6.8	.05	7.2			8.9			.20	.23
D & R	.015	7.1	.10	7.6			9.1			.15	.10
Fordwell Empire				7.3			9.0 av.				
Non-Sulphide				.18			.17			.18	.17
Settlement Assay	.015	6.95	.08	7.12	12.5	5.2	8.83	7.6	8.6		

CAR NOS.	WET WEIGHT
BC 70160	
Total Wet Weight	
Sacks	
Net Weight	147660
Less H_2O 2.1 %	3310

METAL VALUE		
Gold 100% @ 22.4643		34
Silver 70 % @ 90.0	4	38
Copper		
Lead	12	60
Zinc	6	46
Gross Value	23	80
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concentrator		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 154350	Payment for 77.175	tons @ 20 35	per ton	1570.51	
Freight advanced @ 1.56	per ton		122.97		
Federal Tax 3%			3.69		
Assay Charges			7.00		
~~Sampling or Watching Charges~~ Umpire Charge			4.00		
Hauling Charges					
Royalty 5% of $1432.85 Defense Minerals Exploration Administration			71.64	209	30
c/o L. P. King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment				1361	21

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

224 New Customhouse
Denver 2, Colorado

November 30, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 85-GPUS, 86-GPUS, and 201-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed are United States Smelting, Refining, and Mining Company's checks, No. 01701 in the amount of $260.85, and No. 01676 in the amount of $287.02 in payment of royalties on these shipments as follows:

85-GPUS	$ 83.46
86-GPUS	177.39
	$260.85
201-GPU	$287.02

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

November 30, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 85-GPUS, 86-GPUS, and 201-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed are United States Smelting, Refining, and Mining Company's checks, No. 01701 in the amount of $260.85, and No. 01676 in the amount of $287.02 in payment of royalties on these shipments as follows:

85-GPUS	$ 83.46
86-GPUS	177.39
	$260.85
201-GPU	$287.02

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Boston Building, Salt Lake City, Utah

c/o Eureka, Utah

Ore Crude Lot No. 25-CCM-1954-Prod Gold License No.

Sampled by Lessee Received 11-18-54 Sampled 11-16-54 Assayed 11-17-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.015	4.1		4.4			7.0			.27 .20
D & I	.020	4.5	.20	5.0			7.2			.20 .20
Larson Umpire				4.3			7.1			
Non-Sulphide				.24			.2			.24 .20
Settlement Assay	.0175	4.3	.10	4.16	40.8	4.3	6.9	5.8	9.2	

CAR NOS.	WET WEIGHT
UP 65027	98460
UP 63516	92160
UP 66383	92[illegible]
UP 62978	116560
CC 71304	16[illegible]
Total Wet Weight	
Sacks	
Net Weight	575160
Less H_2O 2.7 %	15530

METAL VALUE		
Gold 100% @ 22.1643		39
Silver 70% @ 90.0	2	71
Copper		
Lead	6	64
Zinc	4	93
Gross Value	34	67
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrate		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	559630	Payment for	279.815	tons @	11 22	per ton	3139.52
Freight advanced @	1.17	per ton				336.47	
Federal Tax 3%						10.09	
Assay Charges						7.00	
~~Samplings and Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 3% on 2761.96 Defense Minerals Exploration Administration c/o [illegible], Executive Officer, [illegible], 224 Van Gutenhouse, Denver 2, Colorado						83.46	463 02
Mining Division Date Rec'd. NOV 26 1954							
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment		2058 50

BUREAU OF MINES
Denver, Colorado

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 24 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 86-CTM-TPB-Prod Gold License No.

Sampled by Howle Received 11-15-54 Sampled 11-17-54 Assayed 11-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Zn
U. S. S. R. & M. Co.	.015	5.7	-	3.8			9.6			.23	.18
D & B	.020	6.3	.20	5.6			9.6			.15	.10
I & N Umpire		5.96		5.2			9.6 av.				
Non-Sulphide				.19			.14			.19	.14
Settlement Assay	.0175	5.98	.10	5.01	52.3	4.8	9.46	6.8	6.7		

CAR NOS.	WET WEIGHT
UP 62747	98920
UP 64975	91560
UP 63063	101760
UP 65269	103400
UP 66213	102540
Total Wet Weight	
Sacks	
Net Weight	497480
Less H_2O 2.5 %	12438

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	3	77
Copper		
Lead	8	62
Zinc	7	00
Gross Value	19	78
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit s/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 485042	Payment for 242.521	tons @	16	33	per ton	3960.37
Freight advanced @ 1.56	per ton				388.03	
Federal Tax 3%					11.64	
Assay Charges					7.00	
~~Sampling or Washing Charges~~	Umpire Charge				6.00	
Hauling Charges						
Royalty 5% of $3547.70 Defense Minerals Exploration Administration c/o W. E. King, Executive Officer, DMEA, 224 Per Customhouse, Denver 2, Colorado					177.39	590 06
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					3370	31

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 23, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah

CP: Orem, Utah

Ore Crude Lot No. 201 CPU Gold License No.

Sampled by Levele Received 11-8-54 Sampled 11-16-54 Assayed 11-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaMgO
U. S. S. R. & M. Co.	.025	8.0	-	10.2			8.5			.20 .23
D & L	.030	8.5	.20	10.5			8.3			.25 .10
Umpire				10.35 av.			8.4 av.			
Non-Sulphide				.23			.17			.23 .17
Settlement Assay	.0275	8.25	.10	10.12	36.2	5.8	8.23	8.4	9.6	

CAR NOS.	WET WEIGHT
UP 66436	118500
UP 65079	119300
UP 66744	102840
UP 65932	121640
Total Wet Weight	
Sacks	
Net Weight	462280
Less H_2O 2.0 %	9246

METAL VALUE		
Gold 100% @ 22.4643		62
Silver 7% @ 90.0	5	20
Copper (		
Lead (	18	81
Zinc	5	99
Gross Value	30	62
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	453034	Payment for	226.517	tons @	27	17	per ton	6154.47
Freight advanced @	61.71	per ton					395.25	
Federal Tax 3%							11.86	
Assay Charges							7.00	
Sampling or Watching Charges								
Hauling Charges								
Royalty 5% of $5740.36 Defense Minerals Exploration Administration c/o L.H.King, Executive Officer, DMEA, 274 New Customhouse, Denver 2, Colorado							287.02	701 13
Amount Withheld Pending Receipt of Silver Affidavit								
Net Payment								5453 34

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

224 New Customhouse
Denver 2, Colorado

November 24, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 81-GPUS, 82-GPUS, 84-GPUS, and 200-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed are United States Smelting, Refining, and Mining Company's checks, No. 01600 in the amount of $205.68, No. 01619 in the amount of $187.54, and No. 01578 in the amount of $183.64 in payment of royalties on these shipments as follows:

81-GPUS	$119.03
82-GPUS	86.65
	$205.68
84-GPUS	$187.54
200-GPU	$183.64

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

.706

Salt Lake City, Utah, November 18, 1954

Purchased From Chief Consolidated Mining Company

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

SP: Eureka, Utah

Ore Crude Lot No. 81 CPUS-UEPA-Prod Gold License No.

Sampled by Midvale Received 11-1-54 Sampled 11-10-54 Assayed 11-11-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.02	5.8	-	5.0			7.10			.20 .20
B & D	.025	4.8	.20	5.0			7.50			.20 .15
C & N Umpire		5.63		5.0 av.			7.30 av.			
Non-Sulphide				.20			.18			.20 .18
Settlement Assay	.0225	5.63	.10	4.8	48.3	4.5	7.12	6.6	9.0	

CAR NOS.	WET WEIGHT
UP 64919	93860
UP 65113	80820
UP 65310	121560
UP 66048	107500
Total Wet Weight	
Sacks	
Net Weight	403740
Less H_2O 2.3 %	9286

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	3	55
Copper (		
Lead (	7	64
Zinc	5	11
Gross Value	16	81
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	394454	Payment for	197.227	tons @	13	36	per ton 2634.95
Freight advanced @	61.17	per ton					236.19
Federal Tax 3%							7.09
~~Assay Charges~~ Handling Charge							7.00
~~Sampling, Weighing Charges, Assay Charge~~ Umpire Charge							4.00
Hauling Charges							
Royalty 5% of $2380.67 Defense Minerals Exploration Administration, c/o E.H.King, Executive Officer, UEPA, 224 New Customhouse, Denver 2, Colorado							119.03 373 31
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2261 64

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 18, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 82-[illegible] Gold License No.

Sampled by [illegible] Received 11-5-54 Sampled 11-10-54 Assayed 11-11-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.0 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.02	6.8	-	4.4			6.6			.07 .18
B & B	.03	5.2	.20	4.8			6.8			.20 .15
Parkwell Empire				4.5			6.7 av.			
Non-Sulphide				.24			.17			.24 .17
Settlement Assay	.02	5.0	.10	4.26	46.3	4.8	6.53	6.7	9.8	

CAR NOS.	WET WEIGHT
UP 63496	94300
UP 62791	95300
UP 64193	97020
UP 66415	109200
UP 66460	92680
Total Wet Weight	
Sacks	
Net Weight	489300
Less H_2O 1.9 %	9296

METAL VALUE		
Gold 100% @ 22.4613		45
Silver 70 % @ 90.0	3	15
Copper		
Lead	6	80
Zinc	4	64
Gross Value	15	04
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	480004	Payment for	240.002	tons @ 11 59	per ton	2781.62
Freight advanced @	01.17	per ton			286.24	
Federal Tax 3%					8.59	
Assay Charges					7.00	
~~Sampling or Watching Charges~~		Umpire Charge			4.00	
Hauling Charges						
Royalty 3% of $2475.79 Lofanco Minerals Exploration Administration					86.65	392 48
c/o [illegible] King, Executive Officer, MSA, 224 New Custom House, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						2389 14

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, November 19, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Daly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 84-CUS-DPA-Prod Gold License No.

Sampled by Mikulo Received 11-8-54 Sampled 11-12-54 Assayed 11-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cd	PER CENT Cd
U. S. S. R. & M. Co.	.015	5.9	-	5.8			8.7			.20	.20
B & E	.02	6.0	.20	6.2			9.2			.25	.10
C & D Umpire				5.9			8.95 av.				
Non-Sulphide				.23			.15			.23	.15
Settlement Assay	.0175	5.95	.10	5.67	51.0	4.3	8.80	6.5	7.1		

CAR NOS.	WET WEIGHT
UP 60036	99350
UP 63738	103900
UP 62964	93380
UP 60122	104400
UP 65252	97620
Total Wet Weight	
Sacks	
Net Weight	498660
Less H_2O 1.8%	8976

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	3	75
Copper		
Lead	9	86
Zinc	6	45
Gross Value	20	45
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 489704	Payment for 244.852	tons @	17	00	per ton	4162.48	
Freight advanced @ 1.56	per ton				382.97		
Federal Tax 3%					11.67		
Assay Charges					7.00		
~~Sampling and Watching Charges~~	Umpire Charge				4.00		
Hauling Charges							
Royalty 5% of $3750.84 Defense Minerals Exploration Administration					187.54	599	18
c/o R. M. Kier, Executive Officer, DMEA, 724 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						3563	30

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 17, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 200 CPU Gold License No.

Sampled by Midvale Received 11-6-54 Sampled 11-9-54 Assayed 11-10-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Pb	PER CENT Zn
U. S. S. R. & M. Co.	.025	9.5	-	11.0			7.7			.80		.21
B & B	.035	10.0	.20	11.9			7.8			.40		.15
B & B Umpire		9.47		11.6			7.75 av.			.42		
Non-Sulphide				.42			.18			.42		.18
Settlement Assay	.030	9.50	.10	11.18	34.3	7.0	7.57	10.6	9.1			

CAR NOS.	WET WEIGHT
UP 62849	105140
RG 71434	165260
Total Wet Weight	
Sacks	
Net Weight	270400
Less H_2O 2.0%	5408

METAL VALUE		
Gold 100% @ 22.4643		67
Silver 70% @ 90.0	5	99
Copper (		
Lead (	20	93
Zinc	5	46
Gross Value	33	05
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	264992	Payment for	132.496 tons @	29 60	per ton	3921.88
Freight advanced @	1.71	per ton			231.19	
Federal Tax 3%					6.94	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
~~Hauling Charges~~						
Royalty 5% of $3672.75 Defense Minerals Exploration Administration, c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					183.64	432 77
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3489 11

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

224 New Customhouse
Denver 2, Colorado

November 17, 1954

Answered
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 83-GPUS and 199-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01550, in the amount of $541.77 in payment of royalties on these shipments as follows:

83-GPUS	$149.53
199-GPU	392.24
	$541.77

John F. Shaw
John F. Shaw
For W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 7-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, November 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, C/E Scully Building, Salt Lake City, Utah
St Eureka, Utah

Ore Crude Lot No. 83-CCW-[illegible]-Prod Gold License No.

Sampled by Hiv 1o Received 11-3-54 Sampled 11-8-54 Assayed 11-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orth Ox.	
U. S. S. R. & M. Co.	.025	4.90	-	6.60			8.7			.43	.18
B & D	.018	5.20	.20	7.30			8.8			.25	.15
Dardwell Umpire				6.30			8.75 ov.				
Non-Sulphide				.34			.17			.31	.17
Settlement Assay	.0215	5.05	.10	6.26	41.9	4.8	8.50	7.5	6.6		

CAR NOS.	WET WEIGHT
UP 63475	75960
UP 64136	94400
UP 66507	104200
UP 65038	109520
Weight to be used for freight purposes is 388720	
Total Wet Weight	80,000 minimum
Sacks	
Net Weight	384680
Less H_2O 2.5 %	9618

METAL VALUE		
Gold 100% @ 22.4043		48
Silver 70 % @ 90.0	3	18
Copper		
Lead	11	01
Zinc	6	26
Gross Value	20	95
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	375062	Payment for	187.531	tons @	17 50	per ton	3281.79
Freight advanced @	1.40	per ton				272.10	
Federal Tax 3%						8.16	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $2990.53 Defense Minerals Exploration Administration						149.53	440 79
c/o L. F. King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2841 00

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

906

Salt Lake City, Utah, November 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Cooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 199-CCU Gold License No.

Sampled by McCrale Received 11-4-54 Sampled 11-8-54 Assayed 11-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cd	PER CENT Mn
U. S. S. R. & M. Co.	.035	8.90	-	10.9			8.3			.43	.21
D G B	.035	9.40	.20	11.4			8.5			.25	.15
Union Umpire				11.2			8.4 ev.				
Non-Sulphide				.34			.18			.34	.18
Settlement Assay	.030	9.15	.10	10.86	34.7	8.0	8.22	11.2	8.6		

CAR NOS.	WET WEIGHT
UP 64879	98740
UP 66751	115400
BG 72085	140200
UP 64335	105260
UP 65283	123080
Total Wet Weight	
Sacks	
Net Weight	582840
Less H_2O 2.0 %	11656

METAL VALUE		
Gold 100% @ 22.4613		67
Silver 70 % @90.0	5	76
Copper (		
Lead (	20	33
Zinc	5	98
Gross Value	32	74
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit s/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	571184	Payment for	285.592	tons @	29.29	per ton 8364.90
Freight advanced @	1.71	per ton				498.33
Federal Tax 3%						14.95
Assay Charges						7.00
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $7844.71 Defense Minerals Exploration Administration						392.24
c/o H.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						7452 47

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

224 New Customhouse
Denver 2, Colorado

November 17, 1954

~~Bernard~~
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 197-CPU by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01489, in the amount of $290.55 in payment of royalty on this shipment.

John F. Shaw
John F. Shaw
For W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 11, 1954

Purchased From Chief Consolidated Mining Company

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

UP: Eureka, Utah

Ore Crude Lot No. 197-CFU Gold License No.

Sampled by Midvale Received 10-29-54 Sampled 11-3-54 Assayed 11-4-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orthoxen
U. S. S. R. & M. Co.	.03	7.3	–	7.9			6.7			.30 .20
B & T	.02	7.8	.20	8.7			7.0			.20 .10
Union Umpire				8.0			6.85 av.			
Non-Sulphide				.25			.15			.25 .15
Settlement Assay	.025	7.55	.10	7.75	31.9	6.2	6.70	9.6	11.6	

CAR NOS.	WET WEIGHT
UP 62669	98340
UP 60063	108160
RC 71194	189240
UP 66236	121800
UP 66289	107640
Total Wet Weight	
Sacks	
Net Weight	625180
Less H_2O 1.5 %	9378

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70 % @ 90.0	4	76
Copper (		
Lead (	13	90
Zinc	4	77
Gross Value	23	90
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	615802	Payment for	307.901	tons @	20 54	per ton	6324.29
Freight advanced @	1.56	per ton				487.64	
Federal Tax 3%						14.63	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $5811.02 Defense Minerals Exploration Administration c/o W.E.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						290.55	903 82
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5520 47

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
NOV 22 1954

224 New Customhouse
Denver 2, Colorado

November 15, 1954

Greenwald
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region lV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 80-GPUS, 196-GPU, and 198-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 01421, in the amount of $440.89 in payment of royalties on these shipments as follows:

80-GPUS	$ 70.52
196-GPU	357.56
198-GPU	12.81
	$440.89

W H King
W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C. P. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 8, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

Eureka, Utah

Ore Crude Lot No. 80 CHE-[illegible]-Prod Gold License No.

Sampled by Hicwle Received 10-26-54 Sampled 11-1-54 Assayed 11-2-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.015	4.1	-	4.3			6.2			.20 .20
B & I	.020	4.4	.20	4.9			6.5			.20 .25
Ferdwell Umpire				4.5			6.35 av.			
Non-Sulphide				.2			.23			.20 .23
Settlement Assay	.0175	4.25	.10	4.3	49.4	4.0	6.12	5.8	9.5	

CAR NOS.	WET WEIGHT
UP 66629	# 96340
UP 63336	# 90980
UP 65190	# 96660
UP 62781	107140
UP 66064	102840
Weight to be used for freight purposes is 509980#	
~~Total Wet Weight~~ *100,000# Minimum	
Sacks	
Net Weight	493960
Less H_2O 2.4 %	11856

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70 % @ 90.0	2	68
Copper (		
Lead (	6	86
Zinc	4	33
Gross Value	14	26
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	487104	Payment for	241.052	tons @	10 51	per ton 2605.77
Freight advanced @	984	per ton			237.14	
Federal Tax 3%					7.11	
Assay Charges					7.00	
~~Sampling and Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 3% of $2350.52 Defense Minerals Exploration Administration c/o W. H. Eng, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					70.52	325 77
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	2280 00

M C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 6, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
Or: Eureka, Utah

Ore Crude Lot No. 196 CCG Gold License No.

Sampled by Nevelo Received 10-25-54 Sampled 11-1-54 Assayed 11-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Pb	PER CENT Zn
U. S. S. R. & M. Co.	.025	7.7	-	8.7			7.8			.37	.21
D & D	.025	8.2	.20	9.2			7.9			.30	.15
C & D Umpire				9.05			7.85 av.				
Non-Sulphide				.34			.18			.34	.18
Settlement Assay	.025	7.95	.10	8.71	35.8	5.9	7.67	9.8	9.9		

CAR NOS.	WET WEIGHT
BC 70384	143240
CP 66285	100700
BC 71288	140060
BC 46271	129680
BC 73696	158940
Total Wet Weight	
Sacks	
Net Weight	672620
Less H_2O 2.1 %	14126

METAL VALUE		
Gold 100% @ 22.4640		56
Silver 70% @ 90.0	5	01
Copper		
Lead	15	83
Zinc	5	54
Gross Value	26	99
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. c/o concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	658494	Payment for	329.247	tons @	23 54	per ton 7750.47
Freight advanced @	1.71	per ton				575.09
Federal Tax 3%						17.25
Assay Charges						7.00
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $7151.13 Informe Minerals Exploration Administration c/o W. H. King, Executive Officer, BLM, Dept Customs, Denver 2, Colorado						357.56
Amount Withheld Pending Receipt of Silver Affidavit						256 90
Net Payment						6793 57

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 8, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
Mt. Eureka, Utah

Ore Crude Lot No. 190 CFU-I Gold License No.

Sampled by Midvale Received 10-25-54 Sampled 10-30-54 Assayed 11-1-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orpbaxon
U. S. S. R. & M. Co.	.01	8.90	—	3.80			4.0			.27 .30
D & P	.02	9.60	.20	3.90			4.0			.25 .10
D & P Umpire		8.89		3.85 av.			4.0 av.			
Non-Sulphide				.26			.20			.26 .20
Settlement Assay	.015	8.90	.10	3.59	53.8	4.6	3.80	5.2	8.6	

CAR NOS.	WET WEIGHT
RC 71356	
Total Wet Weight	
Sacks	
Net Weight	148540
Less H_2O 2.3 %	3416

METAL VALUE		
Gold 100% @ 22.4643		34
Silver 70% @ 90.0	5	61
Copper (		
Lead (	5	76
Zinc	1	95
Gross Value	13	66
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 145.124	Payment for 72.562 tons @	10 21	per ton	740.86
Freight advanced @ 61.17 per ton			86.90	
Federal Tax 3%			2.61	
Assay Charges			7.00	
~~Sampling or Watching Charges~~ Umpire Charge			4.00	
Hauling Charges				
Royalty 2% $640.35 Defense Minerals Exploration Administration, c/o U.S.Bureau, Executive Officer, DMEA, 224 Van Customhouse, Denver 2, Colorado			12.81	113 32
Amount Withheld Pending Receipt of Silver Affidavit				
Net Payment				627 54

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

224 New Customhouse
Denver 2, Colorado

November 10, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region lV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 77-GPUS, 78-GPUS, 79-GPUS, and 195-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 01390, in the amount of $564.51 in payment of royalties on these shipments as follows:

77-GPUS	$100.98
78-GPUS	145.70
79-GPUS	120.31
195-GPU	197.52
	$564.51

John F. Shaw
For W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

November 10, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region lV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 77-GPUS, 78-GPUS, 79-GPUS, and 195-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 01390, in the amount of $564.51 in payment of royalties on these shipments as follows:

77-GPUS	$100.98
78-GPUS	145.70
79-GPUS	120.31
195-GPU	197.52
	$564.51

John F. Shaw
For W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

708

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, November 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 77-GPUS-UTA-Prod Gold License No.

Sampled by Midvale Received 10-20-54 Sampled 10-27-54 Assayed 10-28-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.015	4.4	-	4.3			7.30			.10 .20
B & T	.025	4.9	.20	5.2			7.30			.25 .10
C & W Umpire				4.6			7.30 av.			
Non-Sulphide				.18			.15			.18 .15
Settlement Assay	.020	4.65	.10	4.42	56.1	4.3	7.15	6.4	6.8	

CAR NOS.	WET WEIGHT
TP 95201	97520
SP 94510	91120
SP 89896	101300
UP 65769	109160
UP 63857 *	77800
*80,000# Minimum	
Weight to be used for freight	
~~Total Wet Weight~~ purposes is 479100#	
Sacks	
Net Weight	476900
Less H_2O. 2.2 %	10492

METAL VALUE		
Gold 100% @ 22.4613		45
Silver 70 % @ 90.0	2	93
Copper (		
Lead (	7	05
Zinc	5	13
Gross Value	15	56
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 466408	Payment for 233.204 tons @	12	11	per ton	2824.10	
Freight advanced @ $1.17	per ton			280.27		
Federal Tax 3%				8.41		
Assay Charges				7.00		
~~Sampling or Watching Charges~~ Umpire Charge				4.00		
Hauling Charges						
Royalty 4% of $2524.42 Defense Minerals Exploration Administration c/o C.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado				100.98	400	66
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					2423	44

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, November 5, 1954

Purchased From Chief Consolidated Mining Company

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

P. Eureka, Utah

Ore Crude Lot No. 78-CPUS-DMEA-Eroc Gold License No.

Sampled by Midvale Received 10-22-54 Sampled 10-28-54 Assayed 10-29-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.015	4.7	-	5.50			6.9			.20 .20
B & D	.025	5.3	.20	5.90			7.0			.20 .20
Union Umpire		4.73		5.20			6.95 av			
Non-Sulphide				.20			.20			.20 .20
Settlement Assay	.020	4.73	.10	5.30	54.0	4.1	6.75	6.0	7.3	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
UP 62523	94980	Gold 100% @ 22.4643		45	Treatment Base 30% Lead	3	95
UP 66745	99660	Silver 70 % @ 90.0	2	98	Credit Acc't Over 30% Pb.		
UP 64446	89800	Copper			Debit Acc't Under 30% Pb.		
SP 151052	103160	Lead	9	16	Insoluble		
UP 66381	83000	Zinc	4	82	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	470600	Gross Value	17	41	Iron Credit		
Less H_2O 2.2 %	10354	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 460246	Payment for 230.123	tons @	13	96	per ton	3212.52
Freight advanced @ $1.17	per ton				275.30	
Federal Tax 3%					8.26	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					8.00	
Hauling Charges						
Royalty 5% of $2913.96 Defense Minerals Exploration Administration c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					145.70	444 26
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	2768 26

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
(Ft. Eureka, Utah

Ore Crude Lot No. 79-GPUS-DEPA-Prod Gold License No.

Sampled by Midvale Received 10-22-54 Sampled 10-29-54 Assayed 10-30-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.025	4.10	-	5.10			6.5			.97 .18
B & D	.020	4.40	.20	5.40			6.3			.20 .10
C & N Umpire				5.25 av.			6.4 av.			.30
Non-Sulphide				.30			.14			.30 .14
Settlement Assay	.0225	4.25	.10	4.95	52.2	3.8	6.26	5.8	8.6	

CAR NOS.	WET WEIGHT
UP 64085	98940
UP 66126	97020
UP 65163	95640
UP 64793	94820
UP 66568	92260
Total Wet Weight	
Sacks	
Net Weight	478680
Less H_2O 2.4 %	11488

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70% @ 90.0	2	68
Copper		
Lead	8	54
Zinc	4	43
Gross Value	16	16
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	467192	Payment for	233.596	tons @	12 71	per ton	2969.01
Freight advanced @	1.17	per ton				280.03	
Federal Tax 3%						8.40	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 4% of $2673.58 Defense Minerals Exploration Administration c/o J.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						120.31	415 74
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2553 27

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Mt. Eureka, Utah

Ore Crude Lot No. 195-CPU Gold License No.

Sampled by Midvale Received 10-25-54 Sampled 10-30-54 Assayed 11-1-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaO	PER CENT MgO
U. S. S. R. & M. Co.	.035	5.0	-	5.3			5.9			.33	.30
B & D	.020	5.4	.20	6.0			6.3			.20	.10
Union Umpire				5.3			6.10 av				
Non-Sulphide				.27			.20			.27	.20
Settlement Assay	.0275	5.2	.10	5.03	34.6	5.0	5.90	7.0	12.9		

CAR NOS.	WET WEIGHT
RG 45222	124740
UCR 21977	117840
RG 72718	176960
UP 64857	103200
RG 45101	149120
Total Wet Weight	
Sacks	
Net Weight	671860
Less H_2O 2.2 %	14780

METAL VALUE		
Gold 100% @ 22.4643		62
Silver 70 % @ 90.0	3	28
Copper (		
Lead (	8	68
Zinc	4	16
Gross Value	16	74
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	657080	Payment for	328.540	tons @ 13 29	per ton	4366.30
Freight advanced @	$1.17	per ton			393.04	
Federal Tax 3%					11.79	
Assay Charges					7.00	
~~Sampling or Weighing Charges~~		Umpire Charge			4.00	
Hauling Charges						
Royelty 5% of $3950.47 Defense Minerals Exploration Administration c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					197.52	613 35
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3752 95

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

224 New Customhouse
Denver 2, Colorado

November 8, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty -- Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 76-GPUS by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01345, in the amount of $150.78 in payment of royalty on this shipment.

John F. Shaw
For W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

November 8, 1954

Memorandum

To: T. A. Christenden

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty -- Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

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John F. Shaw
For W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet ✓
Wilson w/enc. settlement sheet
Chron.

F.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 3, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
Mt. Lincoln, Utah

Ore Crude Lot No. 76-GFLB-FPA-Prod Gold License No.

Sampled by McDvale Received 10-18-54 Sampled 10-25-54 Assayed 10-26-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Pb/Zn
U. S. S. R. & M. Co.	.01	4.30	-	5.40			6.2			.20 /20
R & D	.02	4.30	.20	5.80			6.4			.20 .10
D & N Umpire				5.40			6.3 Avg.			
Non-Sulphide				.20			.15			.20 .15
Settlement Assay	.015	4.30	.10	5.20	60.4	4.4	6.15	5.6	6.0	

CAR NOS.	WET WEIGHT
UP 65276	101040
IC 94987	103080
UP 63963	87020
NG 72666	134120
SP 151871	102060
Total Wet Weight	
Sacks	
Net Weight	527320
Less H_2O 1.9 %	10020

METAL VALUE		
Gold 100% @ 22.4643		34
Silver 70 % @ 90.0	2	71
Copper (		
Lead (	8	98
Zinc	4	35
Gross Value	16	38
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	517300	Payment for 258.650	tons @	12	93	per ton	3344.34
Freight advanced @ $1.17		per ton				308.48	
Federal Tax 3%						9.25	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $3015.61 Defense Minerals Exploration Administration, c/o R.E.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						150.78	479 51
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2864 83

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

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

224 New Customhouse
Denver 2, Colorado

November 4, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 193-GPU and 194-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 01310, in the amount of $442.61 in payment of royalties on these shipments as follows:

193-GPU	$384.58
194-GPU	58.03
	$442.61

W H King
W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

Department of the Interior
Defense Minerals Administration
RECEIVED
NOV 8 - 1954

224 New Customhouse
Denver 2, Colorado

November 4, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 193-GPU and 194-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 01310, in the amount of $442.61 in payment of royalties on these shipments as follows:

193-GPU	$384.58
194-GPU	58.03
	$442.61

W H King
W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

[redacted] C.O. 77-2 ®

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, November 1, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Kooly Building, Salt Lake City, Utah
c/o Eureka, Utah

Ore Crude Lot No. 193-GPU Gold License No.

Sampled by McCvale Received 10-18-54 Sampled 10-25-54 Assayed 10-26-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CARBONATE
U. S. S. R. & M. Co.	.025	10.1	-	9.6			7.2			.60 .23
B & T	.035	9.8	.20	9.6			7.4			.60 .10
Bardwell Umpire		9.97		9.6 av.			7.3 av.			
Non-Sulphide				.60			.17			.60 .17
Settlement Assay	.03	9.97	.10	9.0	37.9	7.8	7.13	10.4	8.3	

CAR NOS.	WET WEIGHT
UP 65652	111560
RG 47423	127560
RG 70122	168400
UP 65176	107080
RG 71949	155120
Total Wet Weight	
Sacks	
Net Weight	669720
Less H_2O 1.7 %	11386

METAL VALUE		
Gold 100% @ 22.4643		67
Silver 70% @ 90.0	6	28
Copper (		
Lead (	16	57
Zinc	5	11
Gross Value	28	63
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	658334	Payment for	329.167	tons @	25 18	per ton	8288.43
Freight advanced @	1.71	per ton				572.61	
Federal Tax 3%						17.18	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royelty 5% of $7691.64 Defense Minerals Exploration Administration c/o W. F. King Executive Officer, DMEA, 224 Post Customhouse, Denver 2, Colorado						384.58	961 37
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							7307 06

[redacted] C.O. 77-2 ®

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, November 1, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Security Building, Salt Lake City, Utah

Ore Crude — Lot No. 194 C.U.L. — Gold License No.

Sampled by Lucile — Received 10-18-54 — Sampled 10-25-54 — Assayed 10-26-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]	PER CENT [illegible]
U. S. S. R. & M. Co.	.01	7.0	-	6.9			5.3			.20	.23
[illegible]	.02	6.7	.20	7.2			5.3			.25	.10
Umpire				7.05 av.			5.3 av.				
Non-Sulphide				.23			.17			.23	.17
Settlement Assay	.015	6.85	.10	6.82	45.4	5.0	5.13	6.6	9.5		

CAR NOS.	WET WEIGHT	METAL VALUE		WORKING CHARGE		
[illegible] 72081		Gold 100% @ 22.4643	34	Treatment Base 30% Lead	3	95
		Silver 70 % @ 80.0	4 37	Credit Acc't Over 30% Pb.		
		Copper		Debit Acc't Under 30% Pb.		
		Lead	12 06	Insoluble		
		Zinc	3 58	Zinc Charge, excess over 6%		
				Sulphur Charge, excess over 2%		
				Arsenic Charge, excess over 2%		
Total Wet Weight				Credit o/c concentrates		50
Sacks				Total Debit	3	45
Net Weight	157[illegible]	Gross Value	20 38	Iron Credit		
Less H_2O 3.3 %	5[illegible]	Less Working Charge	3 45	Net Working Charge		

Dry Weight, lbs. 152[illegible]	Payment for 76.016 tons @	16 65	per ton	1280.67	
Freight advanced @ 1.40	per ton		110.05		
Federal Tax 3%			3.30		
Assay Charges			7.00		
Sampling or Watching Charges					
Hauling Charges					
Royalty 5% of 1160.52 Defense Materials Exploration Administration, c/o U.S. Ring, Executive Officer, DMA, 224 Post Customhouse, Denver 2, Colorado			58.03	178	38
Mining Division Date Rec'd. NOV 3 - 1954					
		Amount Withheld Pending Receipt of Silver Affidavit			
			Net Payment	1102	49

BUREAU OF MINES
Denver, Colorado

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 - 1954

224 New Customhouse
Denver 2, Colorado

October 28, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 75-GPUS by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01244, in the amount of $171.87 in payment of royalty on this shipment.

W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 - 1954

224 New Customhouse
Denver 2, Colorado

October 28, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 75-GPUS by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01244, in the amount of $171.87 in payment of royalty on this shipment.

W. H. King

W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 26, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Boyly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 75-CHS-MPA-Prod Gold License No.

Sampled by Hidvale Received 10-15-54 Sampled 10-19-54 Assayed 10-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CuPbCuZn
U. S. S. R. & M. Co.	.015	5.50	–	6.5			7.2			.50 .20
B & D	.020	5.70	.20	6.8			7.5			.25 .15
Umpire				6.65 ov			7.35 ov.			
Non-Sulphide				.38			.18			.38 .18
Settlement Assay	.0175	5.60	.19	6.27	54.0	4.7	7.17	6.8	6.4	

CAR NOS.	WET WEIGHT
UP 65739	97820
UP 65767	86580
UP 60177	87840
UP 63067	95460
UP 64236	94580
Total Wet Weight	
Sacks	
Net Weight	462280
Less H_2O 1.9 %	8784

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	3	53
Copper (		
Lead (	11	04
Zinc	5	15
Gross Value	20	11
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	453496	Payment for	226.748 tons @	16 66	per ton	3777.62	
Freight advanced @	1.40	per ton			323.60		
Federal Tax 3%					9.71		
Assay Charges					7.00		
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3437.31 Defense Minerals Exploration Administration c/o W.H.King, Executive Officer, DMEA, 224 Post Customhouse, Denver 2, Colorado					171.87	512	18
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						3265	44

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 1 - 1954

224 New Customhouse
Denver 2, Colorado

October 27, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 72-GPUS, 73-GPUS, and 191-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01218, in the amount of $650.27 in payment of royalty on these shipments as follows:

72-GPUS	$180.83
73-GPUS	199.24
191-GPU	270.20
	$650.27

W. H. King

W. H. King

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
REC'D
NOV 1 - 1954

224 New Customhouse
Denver 2, Colorado

October 27, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 72-GPUS, 73-GPUS, and 191-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01218, in the amount of $650.27 in payment of royalty on these shipments as follows:

72-GPUS	$180.83
73-GPUS	199.24
191-GPU	270.20
	$650.27

W. H. King

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 25, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude *Lot No.* 72-[illegible]-DDA.Prod *Gold License No.*

Sampled by Mirvale *Received* 10-11-54 *Sampled* 10-14-54 *Assayed* 10-15-54

Metal Quotations—Gold 34.9125 *Silver* 90.0 *Copper, N. Y.* *Lead, N. Y.* 14.813 *Zinc* 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Pb	PER CENT Zn
U. S. S. R. & M. Co.	.012	5.6	-	6.4			7.5			.33	.20	
B & D	.020	6.0	.20	7.0			7.6			.40	.20	
B & D Umpire				6.6			7.55 av.					
Non-Sulphide				.37			.20			.37	.20	
Settlement Assay	.016	5.8	.10	6.23	45.6	5.5	7.35	7.0	8.8			

CAR NOS.	WET WEIGHT
UP 66652	96280
UP 65415	99020
UP 66437	95280
UP 65471	10638[illegible]
UP 64404	95720
Total Wet Weight	
Sacks	
Net Weight	490680
Less H_2O 2.3 %	11286

METAL VALUE		
Gold 100% @ 22.4643		36
Silver 70 % @ 90.0	3	65
Copper (		
Lead (	10	76
Zinc	5	29
Gross Value	20	06
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	479394	Payment for	239.697	tons @	16 61	per ton	3981.37
Freight advanced @	1.40	per ton				343.48	
Federal Tax 3%						10.30	
Assay Charges						7.00	
~~Sampling or Watching Charges~~						4.00	
Hauling Charges							
Royalty 5% of $3616.59 Defense Minerals Exploration Administration						180.83	545 61
c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3435 76

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 25, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
C/O: Eureka, Utah

Ore Crude Lot No. 73-GIE-IIPA-Prof Gold License No.

Sampled by Hi vale Received 10-13-54 Sampled 10-15-54 Assayed 10-16-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.813 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.015	5.60	-	7.7			8.40			.67 .20
B & D	.020	5.90	.20	8.1			8.20			.70 .15
Bardwell Umpire				7.7			8.30 av.			
Non-Sulphide				.69			.18			.69 .18
Settlement Assay	.0175	5.75	.10	7.01	44.10	5.1	8.12	7.6	8.5	

CAR NOS.	WET WEIGHT
UP 64472	98680
UP 64926	83300
UP 66749	98260
UP 66613	94380
UP 60043	99000
Total Wet Weight	
Sacks	
Net Weight	473620
Less H_2O 1.7 %	8052

METAL VALUE		
Gold 100% @22.4643		39
Silver 70% @ 90.0	3	62
Copper (		
Lead (	12	34
Zinc	5	90
Gross Value	22	25
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	465568	Payment for	232.784	tons @	18 80	per ton	4376.34
Freight advanced @	1.56	per ton				369.42	
Federal Tax 3%						11.08	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						4.00	
Hauling Charges							
Royalty 5% of $3984.84 Defance Minerals Exploration Administration c/o .H.King, Executive Officer, DMEA, 224 Raw Customhouse, Denver 2, Colorado						199.24	590 74
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3785 60

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 25, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
Mt. Murphy, Utah

Ore Crude Lot No. 191 GSU Gold License No.

Sampled by Fidvale Received 10-11-54 Sampled 10-14-54 Assayed 10-15-54

Metal Quotations—Gold 34.9175 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.813 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.025	8.70	-	8.5			7.7			.20 .23
[illegible]	.025	9.00	.20	9.0			7.7			.40 .20
C & N Umpire				9.0			7.7 av.			
Non-Sulphide				.30			.22			.30 .22
Settlement Assay	.025	8.85	.10	8.7	35.5	7.7	7.48	9.4	9.6	

CAR NOS.	WET WEIGHT
UP 63907	72880
UP 65279	111380
UP 66752	110300
UP 63681	97720
UP 65789	109180
Total Wet Weight	
Sacks	
Net Weight	501460
Less H_2O 1.3 %	6518

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70% @ 90.0	5	52
Copper (		
Lead , (	15	57
Zinc	5	39
Gross Value	27	10
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concessions		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	494942	Payment for	247.471	tons @	23	65	per ton	5852.69
Freight advanced @	$1.71	per ton					428.75	
Federal Tax 3%							12.86	
Assay Charges							7.00	
Sampling or Watching Charges								
Hauling Charges								
Royalty 5% of $5404.08 Defense Minerals Exploration Administration c/o U.S. King, Executive Officer, DMEA, 224 New Custom house, Denver 2, Colorado							270.20	718 81
Amount Withheld Pending Receipt of Silver Affidavit								
Net Payment								5133 88

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 27 1954

224 New Customhouse
Denver 2, Colorado

October 25, 1954

Memorandum

Transmittal
Betty

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region lV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 74-GPUS by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01194, in the amount of $170.96 in payment of royalty on this shipment.

W. H. King
W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, October 22, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 74-CMC-MPA-Prod Gold License No.

Sampled by Mevle Received 10-15-54 Sampled 10-18-54 Assayed 10-19-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 15.00 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CuPbZn
U. S. S. R. & M. Co.	.015	4.80	-	6.[illegible]			7.0			.40 .20
B & P	.025	4.90	.20	6.4			6.9			.25 .15
Umpire				6.3 av.			6.95 av.			
Non-Sulphide				.33			.18			.33 .16
Settlement Assay	.020	4.85	.10	5.97	57.0	4.9	6.77	6.2	4.9	

CAR NOS.	WET WEIGHT
UP 63388	99640
UP 63036	104960
UP 62899	95700
UP 62128	96900
UP 65791	105280
Total Wet Weight	
Sacks	
Net Weight	502480
Less H_2O 1.7 %	8542

METAL VALUE		
Gold 100% @ 22.4613		45
Silver 70% @ 90.0	3	06
Copper (		
Lead (	10	45
Zinc	4	83
Gross Value	18	79
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	493938	Payment for	246.969	tons @	15 34	per ton	3788.50
Freight advanced @	$1.40	per ton				351.74	
Federal Tax 3%						10.55	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3419.21 Defense Minerals Exploration Administration						170.96	540 25
c/o W. F. King, Executive Officer, DMEA, 224 Fey Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3248 25

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 27 1954

224 New Customhouse
Denver 2, Colorado

October 25, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 71-GPUS, 189-GPU, and 192-GPU by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01164, in the amount of $345.61 in payment of royalty on these shipments as follows:

71-GPUS	$150.59
189-GPU	99.30
192-GPU	95.72
	$345.61

W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah

Mt. Eureka, Utah

Ore Crude Lot No. 71-CUC-UTPA-Prod Gold License No.

Sampled by Mivale Received 10-8-54 Sampled 10-12-54 Assayed 10-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.813 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Pb	PER CENT Zn
U. S. S. R. & M. Co.	.015	4.5	-	5.70			6.6			.30		.23
B & D	.020	4.7	.20	6.50			6.3			.25		.10
L & N Umpire				6.00			6.45 av.					
Non-Sulphide				.28			.17			.28		.17
Settlement Assay	.0175	4.6	.10	5.72	47.7	5.0	6.28	6.0	9.2			

CAR NOS.	WET WEIGHT
UP 64487	93640
UP 65895	90940
UP 62756	91400
UP 65222	99940
UP 64499	102540
Total Wet Weight	
Sacks	
Net Weight	478460
Less H_2O 1.7 %	8136

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70 % @ 90.0	2	00
Copper (		
Lead (	9	79
Zinc	4	45
Gross Value	17	53
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	470326	Payment for	235.163	tons @	14 08	per ton	3311.10
Freight advanced @	$1.17	per ton				279.90	
Federal Tax 3%						8.40	
Assay Charges						7.00	
Sampling or Watching Charges	Umpire Charge					4.00	
Hauling Charges							
Royalty 5% of $3011.80 Defense Minerals Exploration Administration						150.59	449 89
c/o L. E. King, Executive Officer, DMEA, 224 Post Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2861 21

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Leary Building, Salt Lake City, Utah

CO: Eureka, Utah

Ore Crude Lot No. 189-CFL-1 Gold License No.

Sampled by Hickwale Received 10-11-54 Sampled 10-13-54 Assayed 10-14-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.813 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxi/Orzn
U. S. S. R. & M. Co.	.012	10.9	-	11.9			9.7			.23 .23
D & E	.020	10.7	.20	12.5			9.5			.25 .25
Bardwell Umpire				12.0			9.6 av.			
Non-Sulphide				.24			.24			.24 .24
Settlement Assay	.016	10.8	.10	11.76	35.1	6.5	9.36	10.2	8.4	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
BC 47219		Gold 100% @ 22.4613		36	Treatment Base 30% Lead	3	95
		Silver 80% @ 90.0	7	78	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	21	61	Insoluble		
		Zinc	6	93	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight		•			Credit e/c concession		50
Sacks					Total Debit	3	45
Net Weight	130100	Gross Value	36	68	Iron Credit		
Less H_2O 1.6 %	2082	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 128018	Payment for 64.009 tons @	33	23	per ton	2177.02	
Freight advanced @ 1.94 per ton				126.20		
Federal Tax 3%				3.79		
Assay Charges				7.00		
~~Sampling or Watching Charges~~ Umpire Charge				4.00		
Hauling Charges						
Royalty 5% of $1986.03 Defense Minerals Exploration Administration c/o W. D. King, Executive Officer, DMEA, 224 New Customhouse Denver 2, Colorado				99.30	240	29
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					1886	73

FORM C.6. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Dooly Building, Salt Lake City, Utah

Ft. Eureka, Utah

Ore Crude Lot No. 192 CFU-1 Gold License No.

Sampled by Michale Received 10-11-54 Sampled 10-14-54 Assayed 10-15-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.813 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb OxZn
U. S. S. R. & M. Co.	.015	7.90	-	11.7			11.7			.47 .27
E & D	.020	8.00	.20	12.0			12.2			.60 .30
Umpire				11.85 av.			11.95 av.			
Non-Sulphide				.54			.29			.54 .29
Settlement Assay	.0175	7.95	.10	11.31	29.1	5.7	11.66	10.8	9.3	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RG 47239		Gold 100% @ 22.4643		39	Treatment Base 30% Lead	3	95
		Silver 70% @ 90.0	5	01	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	20	81	Insoluble		
		Zinc	8	90	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	130740	Gross Value	35	11	Iron Credit		
Less H_2O 1.6 %	2092	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs.	128648	Payment for	64.324	tons @	31 66	per ton	2036.50
Freight advanced @	$1.71	per ton				111.78	
Federal Tax 3%						3.35	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $1914.37 Defense Minerals Exploration Administration						95.72	217 85
c/o W.F.King, Executive Officer, DMEA, 224 New Customhouse,							
Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1818 65

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

224 New Customhouse
Denver 2, Colorado

October 20, 1954

Memorandum

Gwendolyn
Betty

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 68-GPUS, 70-GPUS, 188-GPU, and 190-GPU by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01131, in the amount of $300.18 in payment of royalty on these shipments as follows:

68-GPUS	$ 72.76
70-GPUS	100.67
188-GPU	64.07
190-GPU	62.68
	$300.18

W. H. King

W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 18, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Security Building, Salt Lake City, Utah
Mt Aurora, Utah

Ore Crude Lot No. 68-CUM-MTA-Prod Gold License No.

Sampled by Hawle Received 10-6-54 Sampled 10-8-54 Assayed 10-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.75 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Silica
U. S. S. R. & M. Co.	.012	4.0	-	4.6			6.5			.60 .20
B O T	.020	4.2	.20	5.2			6.8			.50 .10
C & D Umpire				4.6			6.65 av.			
Non-Sulphide				.55			.15			.55 .15
Settlement Assay	.016	4.1	.10	4.05	31.2	3.9	6.50	6.0	15.1	

CAR NOS.	WET WEIGHT
BO 70366	170100
UP 65397	* 99360
UP 63806	* 96660
UP 66620	* 91260
BO 71732	167760
Weight to be used for hauling purposes 1. 637860#	
~~Total Wet Weight~~ *(Minimum 100,000#)	
Sacks	
Net Weight	625140
Less H_2O 1.3 %	8126

METAL VALUE		
Gold 100% @22.4643		36
Silver 70 % @ 90.0	2	58
Copper (		
Lead (	6	35
Zinc	4	62
Gross Value	13	91
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/c concentrate		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	617014	Payment for	308.507	tons @	10 46	per ton	3226.96
Freight advanced @	93¢	per ton				296.60	
Federal Tax 3%						8.90	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Empire Charges				4.00	
Hauling Charges							
Royalty 2½% of $2910.46 Defense Minerals Exploration Administration c/o J. H. King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						72.76	389 26
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2837 72

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 16, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Tooly Building, Salt Lake City, Utah
Mt Eureka, Utah

Ore Crude Lot No. 70 GRM-MIA-Prod Gold License No.

Sampled by Olivale Received 10-6-54 Sampled 10-8-54 Assayed 10-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.75 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb	PER CENT Cu/Zn
U. S. S. R. & M. Co.	.017	5.70		9.9			8.5			1.03	.20
[illegible]	.070	5.50	.20	10.7			8.7			1.10	.10
Parcel 1 Umpire				10.2			8.6av.			1.	
Non-Sulphide				1.07			.15			1.07	.15
Settlement Assay	.0185	5.60	.10	9.13	35.7	5.1	8.45	7.4	10.4		

CAR NOS.	WET WEIGHT
UP 65175	98980
UP 62046	92700
Total Wet Weight	
Sacks	
Net Weight	191680
Less H_2O 1.7 %	3256

METAL VALUE		
Gold 100% @22.4643		42
Silver 70 % @ 90.0	3	53
Copper		
Lead	16	61
Zinc	6	17
Gross Value	26	73
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	188422	Payment for	94.211	tons @ 23 28	per ton	2193.23
Freight advanced @	$1.71	per ton			163.89	
Federal Tax 3%					4.92	
Assay Charges					7.00	
~~Sampling or Watching Charges~~		Umpire Charge			4.00	
Hauling Charges						
Royalty 5% of $2013.42 Defense Minerals Exploration Administration c/o T.E.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					100.67	280 48
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						1912 75

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 18, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Kooly Building, Salt Lake City, Utah
Eff: Eureka, Utah

Ore Crude Lot No. 188-CU-L Gold License No.

Sampled by McVale Received 10-4-54 Sampled 10-7-54 Assayed 10-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.75 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaMgCO3
U. S. S. R. & M. Co.	.01	8.4	tr	7.7			5.0			.20 .20
B & D	.02	8.5	.20	8.3			5.0			.20 .10
Union Umpire				7.8			5.0 av.			
Non-Sulphide				.3			.15			.20 .15
Settlement Assay	.015	8.45	.10	7.6	45.4	5.7	4.85	6.4	9.6	

CAR NOS.	WET WEIGHT
BG 72056	
Total Wet Weight	
Sacks	
Net Weight	153680
Less H_2O 2.3 %	3534

METAL VALUE		
Gold 100% @ 22.4643		34
Silver 70 % @ 90.0	5	32
Copper		
Lead	13	28
Zinc	3	37
Gross Value	22	31
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 150146	Payment for 75.073 tons @	18 86	per ton	1415.88	
Freight advanced @ $1.56	per ton		119.87		
Federal Tax 3%			3.60		
Assay Charges			7.00		
~~Sampling or Watching Charges~~ Umpire Charge			4.00		
Hauling Charges					
Royalty 5% of $1281.41 Defense Minerals Exploration Administration			64.07	198	54
c/o W.E.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2 Colorado					
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment				1217	34

Form C.P. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 18, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
Mt. Pleasant, Utah

Ore Crude Lot No. 190-[illegible] Gold License No.

Sampled by Michele Received 10-6-54 Sampled 10-8-54 Assayed 10-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.75 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.015	8.0	-	9.8			8.1			.20 .15
D & H	.020	7.2	.20	10.3			8.3			.10 .10
D & H Umpire		7.78		9.9			8.2 ev.			
Non-Sulphide				.15			.13			.15 .13
Settlement Assay	.0175	7.78	.10	9.75	27.0	5.8	8.07	8.5	12.7	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
UP 62579		Gold 100% @ 22.4643		39	Treatment Base 30% Lead	3	95
		Silver 70 % @ 90.0	4	90	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	17	58	Insoluble		
		Zinc	5	86	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	108520	Gross Value	28	73	Iron Credit		
Less H_2O 0.6 %	652	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs.	107928	Payment for	53.964	tons @	25 28	per ton	1364.21
Freight advanced @	1.71	per ton				92.84	
Federal Tax 3%						2.79	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				8.00	
Hauling Charges							
Royalty 5% of $1253.58 Defense Minerals Exploration Administration c/o W. H. King, Executive Officer, DMEA, 224 New Customhouse, Denver 2 Colorado						62.68	173 31
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment	1190	90

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

224 New Customhouse
Denver 2, Colorado

October 18, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 67-GPUS, 69-GPUS, and 184-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 01079, in the amount of $882.01 in payment of royalties on these shipments as follows:

67-GPUS	$322.82
69-GPUS	342.18
184-GPU	217.01
	$882.01

W. R. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets.
Wilson w/enc. settlement sheets
Chron.

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, October 13, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

Mt. Eureka, Utah

Ore Crude Lot No 67-GFS-IIPA-Prod Gold License No.

Sampled by Mixvale Received 9-28-54 Sampled 10-5-54 Assayed 10-6-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.75 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oz/Pb	Oz/Zn
U. S. S. R. & M. Co.	.02	7.10	-	10.10			11.4			.80	.23
B & L	.025	7.40	.20	11.00			11.5			.90	.25
C & N Umpire				10.20			11.45	av.			
Non-Sulphide				.85			.24	av.		.85	.24
Settlement Assay	.0225	7.25	.10	9.35	28.90	4.9	11.21	9.8	11.1		

CAR NOS.	WET WEIGHT
UP 63729	110880
UP 63214	102000
UP 63616	88260
UP 66485	103560
UP 62728	117380
Total Wet Weight	
Sacks	
Net Weight	520080
Less H_2O 1.8 %	9362

METAL VALUE		
Gold 100% @ 22.4613		51
Silver 70% @ 90.0	4	57
Copper		
Lead	16	99
Zinc	8	50
Gross Value	30	57
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 510718 Payment for 255.359 tons @ 27 12 per ton 6975.34

Freight advanced @ 61.71 per ton	444.67		
Federal Tax 3%	13.34		
Assay Charges	7.00		
~~Sampling or Watching Charges~~ Umpire Charge	4.00		
Hauling Charges			
Royalty 5% of $6456.33 Defense Minerals Exploration Administration c/o W.R.King, Executive Officer, DMEA, 224 New Customhouse Denver 2, Colorado	322.82	791	83
Amount Withheld Pending Receipt of Silver Affidavit			
Net Payment		6133	51

M C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 13, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
Ft Burke, Utah

Ore Crude *Lot No.* 69-[illegible]-PRA-Prod *Gold License No.*

Sampled by Rivelo *Received* 10-1-54 *Sampled* 10-5-54 *Assayed* 10-6-54

Metal Quotations—Gold 34.9125 *Silver* 90.0 *Copper, N. Y.* *Lead, N. Y.* 14.75 *Zinc* 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orib	PER CENT Orib Zn
U. S. S. R. & M. Co.	.02	6.5	-	9.9			11.9			1.13	.21
B & D	.025	6.7	.20	11.0			12.2			1.00	.50
Bordwell Umpire				10.6			12.05 av.				
Non-Sulphide				1.07			.36			1.07	.36
Settlement Assay	.0225	6.6	.10	9.53	30.1	4.8	11.69	10.0	11.1		

CAR NOS.	WET WEIGHT
UP 63446	106380
UP 63451	104200
UP 65251	110500
UP 63157	119000
UP 62717	102480
Total Wet Weight	
Sacks	
Net Weight	542640
Less H_2O 2.1 %	11396

METAL VALUE		
Gold 100% @ 22.4613		51
Silver 70% @ 90.0	4	16
Copper		
Lead	27	44
Zinc	8	93
Gross Value	31	04
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	531244	Payment for	265.622	tons @	27	59	per ton 7328.51
Freight advanced @	1.71	per ton					463.96
Federal Tax 3%							13.92
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $6843.63 Defense Minerals Exploration Administration							342.18 827 06
c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							6501 45

M C.O. 77-

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, October 13, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 603 Looly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 184-GPU Gold License No.

Sampled by Hawle Received 10-4-54 Sampled 10-7-54 Assayed 10-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.75 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu Pb Cu Zn
U. S. S. R. & M. Co.	.025	5.8	tr	6.2			7.10			.53 .30
B & D	.025	6.0	.20	6.5			7.50			.30 .10
Umpire				6.35 av.			7.30 av.			
Non-Sulphide				.42			.20			.42 .20
Settlement Assay	.025	5.9	.10	5.93	21.7	4.6	7.10	7.4	13.3	

CAR NOS.	WET WEIGHT
RG 46871	110680
RG 70260	177140
UP 65090	107440
UP 63246	107260
UP 66215	103420
Total Wet Weight	
Sacks	
Net Weight	605940
Less H_2O 1.8 %	10906

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70% @ 90.0	3	72
Copper (		
Lead (	10	16
Zinc	5	09
Gross Value	19	53
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrator		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	595034	Payment for	297.517	tons @	16	08	per ton 4784.07
Freight advanced @	$1.40	per ton					
Federal Tax 3%						424.16	
Assay Charges						12.72	
Sampling or Watching Charges						7.00	
Hauling Charges							
Royalty 5% of $4340.19 Defense Minerals Exploration Administration c/o V.E.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						217.01	660 89
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4123 18

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

224 New Customhouse
Denver 2, Colorado

October 14, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 186-GPW by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 01042, in the amount of $300.82 in payment of royalty on this shipment.

W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 11, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
Sh: Sur ka, Utah

Ore Crude Lot No. 186-GU Gold License No.

Sampled by Wilvale Received 9-29-54 Sampled 10-2-54 Assayed 10-4-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.75 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.03	8.20	-	9.10			8.7			.30 .25
D & P	.035	7.50	.20	9.80			9.1			.20 .10
P & M Umpire		7.97		9.40			8.9 av.			
Non-Sulphide				.25			.18			.25 .18
Settlement Assay	.0325	7.97	.10	9.15	36.6	5.8	8.72	9.6	9.1	

CAR NOS.	WET WEIGHT
UP 63489	107040
UP 64984	102460
UP 65713	115960
UP 62054	91600
UP 64112	110680
Total Wet Weight	
Sacks	
Net Weight	527740
Less H_2O 1.8 %	9500

METAL VALUE		
Gold 100% @22.4643		73
Silver 70 % @ 90.0	5	02
Copper (		
Lead (	16	38
Zinc	6	39
Gross Value	28	52
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	518240	Payment for	259.120	tons @	25 07	per ton	6496.14
Freight advanced @	$1.71	per ton				451.22	
~~Federal Tax 3%~~						13.54	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		~~Umpire Charge~~				8.00	
Hauling Charges							
~~Royalty 5% of $6016.38 Defense Minerals Exploration Administration, c/o W. H. King, Executive Officer, UMA, 224 New Customhouse, Denver 2, Colorado~~						300.82	780 58
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5715 56

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

224 New Customhouse
Denver 2, Colorado

October 11, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 66-GPUS and 187-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining, and Mining Company's check, No. 00969, in the amount of $325.73 in payment of royalties on these shipments as follows:

66-GPUS	$319.02
187-GPU	6.71
	$325.73

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, October 6, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Leoly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 66-CMS-MRA-Prod Gold License No.

Sampled by Midvale Received 9-24-54 Sampled 9-27-54 Assayed 9-28-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.75 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaPbOx	PER CENT CaZnOx
U. S. S. R. & M. Co.	.02	6.4	-	10.2			10.6			.57	.20
B & B	.02	6.4	.20	10.0			10.7			.30	.75
Bardwell Umpire				10.1 av.			10.65 av.				.20
Non-Sulphide				.44			.20			.44	.20
Settlement Assay	.02	6.4	.10	9.66	30.7	5.3	10.45	10.1	10.1		

CAR NOS.	WET WEIGHT
UP 66697	102880
UP 63511	98400
UP 64447	103160
UP 64093	114080
UP 66383	111940
Total Wet Weight	
Sacks	
Net Weight	530460
Less H_2O 1.9 %	10078

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70 % @ 90.0	4	03
Copper (		
Lead (	17	49
Zinc	7	84
Gross Value	29	81
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	520380	Payment for	260.191	tons @	26	36	per ton 6858.63
Freight advanced @	1.71	per ton					453.54
Federal Tax 3%							13.61
Assay Charges							7.00
~~Sampling or Watching Charges~~		Umpire Charge					4.00
Hauling Charges							
Royalty 5% of $6380.48 Defense Minerals Exploration Administration c/o W.H.King, Executive Officer, MRA, 224 New Customhouse, Denver 2, Colorado							319.02 797 17
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							6061 46

FORM C.C. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, October 6, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
C/o Eureka, Utah

Ore Crude Lot No. 187 CPL-L Gold License No.

Sampled by Midvale Received 9-27-54 Sampled 9-29-54 Assayed 9-30-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.75 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CuPbZn
U. S. S. R. & M. Co.	.01	5.0	-	4.2			4.7			.23 .17
B & P	.02	5.2	.20	4.4			5.0			.20 .10
Umpire				4.3 av.			4.85 av.			
Non-Sulphide				.22			.14			.22 .14
Settlement Assay	.015	5.1	.10	4.08	53.4	4.1	4.71	5.0	8.9	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RG 46201		Gold 100% @ 22.4643		34	Treatment Base 30% Lead	3	95
		Silver 70 % @ 90.0	3	71	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	6	37	Insoluble		
		Zinc	2	42	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	119440	Gross Value	12	34	Iron Credit		
Less H_2O 3.6 %	4300	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs.	115140	Payment for	57.570	tons @	8 89	per ton	511.80
Freight advanced @ 93¢		per ton				55.54	
Federal Tax 3%						1.67	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 1½% of $447.59 Defense Minerals Exploration Administration						6.71	70 92
c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							440 88

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

224 New Customhouse
Denver 2, Colorado

October 5, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 60-GPUS (Adjustment), 182-GPU, and 183-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 00905, in payment of royalties on these shipments as follows:

60-GPUS (Adj.)	$ .04
182-GPU	284.06
183-GPU	25.36
	$309.46

W H King
W. H. King

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

October 5, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

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	$309.46

W H King
W. H. King

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM S.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706 Adjustment account Dry Weight — Salt Lake City, Utah, September 30, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude — Lot No. 60 GPUS-UMA-Prod — Gold License No.

Sampled by Midvale — Received 9-1-54 — Sampled 9-3-54 — Assayed 9-7-54

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

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

CAR NOS.	WET WEIGHT
5 cars	
Total Wet Weight	
Sacks	
Net Weight	514740
Less H_2O 1.6 %	8236

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

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

Dry Weight, lbs. 506504	Payment for 253.252	tons @	17 19	per ton	4352.40	
Freight advanced @ 1.56	per ton			401.50		
Federal Tax 3%				12.05		
Assay Charges				7.00		
Sampling or Watching Charges	Shpiro Charge			4.00		
Hauling Charges						
Royalty 5% of $3928.85			$196.44			
Former Royalty Paid			196.40			
Additional Royalty Due			.04	196.44	620	99
Defence Minerals Exploration Administration, c/o W. H. King, Executive Officer, U. S. A., 224 New Customhouse, Denver 2, Colorado						
		TOTAL PER PROCEEDS			3732	41
FOURTH SETTLEMENT		Amount Withheld Pending Receipt of Silver Affidavit			3731	59
		NET PROCEEDS WITH				82

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 30, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 182-GU Gold License No.

Sampled by Michele Received 9-22-54 Sampled 9-23-54 Assayed 9-24-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.533 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orlb Orlb
U. S. S. R. & M. Co.	.03	7.50		8.5			8.6			.43 .20
B & D	.025	7.80	.20	8.8			9.0			.20 .15
Umpire				8.65 av.			8.8 av.			
Non-Sulphide				.32			.18			.32 .18
Settlement Assay	.0275	7.65	.10	8.33	33.4	6.0	8.62	9.0	11.1	

CAR NOS.	WET WEIGHT
UP 60162	121640
UP 63596	109160
UP 62036	102680
UP 62607	101860
UP 62374	115040
Total Wet Weight	
Sacks	
Net Weight	550380
Less H_2O 1.4 %	7706

METAL VALUE		
Gold 100% @ 22.4643		62
Silver 70 % @ 90.0	4	82
Copper (		
Lead (	14	45
Zinc	6	31
Gross Value	26	20
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit n/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	542674	Payment for	271.337	tons @	22	75	per ton 6172.92
Freight advanced @	1.71	per ton					470.57
Federal Tax 3%							14.12
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
~~Royalty 5% of $5681.23 Defense Minerals Exploration Administration, c/o J. H. King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado~~							284.06 775 75
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5397 17

FORM C.O. 77-2

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

706

Salt Lake City, Utah, October 1, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Crude Lot No. 163 CEL-1 Gold License No.

Sampled by Middle Received 9-23-54 Sampled 9-24-54 Assayed 9-25-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.750 Zinc 11.500

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT PbOxZn
U. S. S. R. & M. Co.	.005	5.5	-	4.6			5.80			.20	.21
B & D	.020	5.8	.20	5.0			6.20			.30	.20
D & F Umpire				5.0			6.00 av.				
Non-Sulphide				.25			.21			.25	.21
Settlement Assay	.0125	5.65	.10	4.75	52.5	4.6	5.79	6.2	8.0		

CAR NOS.	WET WEIGHT
RG 72683	
Total Wet Weight	
Sacks	
Net Weight	144380
Less H_2O 4.3 %	6208

METAL VALUE		
Gold 100% @ 22.4613		28
Silver 70% @ 90.0	3	56
Copper (		
Lead (	7	38
Zinc	4	08
Gross Value	15	30
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	138172	Payment for	69.086	tons @	11	85	per ton	818.67
Freight advanced @	$1.17	per ton					
Federal Tax 3%						24.46	
Assay Charges						2.53	
Sampling or Watching Charges						7.00	
Hauling Charges							
Royalty 3½% of $724.68 Defense Minerals Exploration Administration c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						25.36	119 35
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							699 32

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

OCT - 4 1954

224 New Customhouse
Denver 2, Colorado

September 29, 1954

Bittey

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 65-GPUS, 179-GPU, 181-GPU, and 185-GPUL by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 00828, in the amount of $772.04 in payment of royalty on these shipments.

65-GPUS	$450.00
179-GPU	66.75
181-GPU	206.95
185-GPUL	48.34
	$772.04

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

OCT - 4 1954

224 New Customhouse
Denver 2, Colorado

September 29, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

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Also enclosed is United States Smelting, Refining and Mining Company's check, No. 00828, in the amount of $772.04 in payment of royalty on these shipments.

65-GPUS	$450.00
179-GPU	66.75
181-GPU	206.95
185-GPUL	48.34
	$772.04

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, September 27, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Mr. Eureka, Utah

Ore Crude Lot No. 65-CHIE-[illegible]-Prod Gold License No.

Sampled by Hidvalo Received 9-17-54 Sampled 9-18-54 Assayed 9-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.533 Zinc 11.500

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Or/Ph Or/Zn
U. S. S. R. & M. Co.	.022	8.70	-	12.40			14.0			.83 .18
B & B	.025	9.50	.20	12.30			14.6			.25 .15
Barwell Umpire		8.88		12.35 av.			14.2			.50
Non-Sulphide				.50			.17			.50 .17
Settlement Assay	.0235	8.88	.10	11.85	27.2	5.6	14.03	11.7	8.7	

CAR NOS.	WET WEIGHT
RG 46634	121080
UP 63990	100840
UP 62821	111740
UP 64563	117380
UP 62862	104880
Total Wet Weight	
Sacks	
Net Weight	555920
Less H_2O 1.4 %	7782

METAL VALUE		
Gold 100% @ 22.4643		53
Silver 70 % @ 90.0	5	59
Copper		
Lead	21	23
Zinc	11	02
Gross Value	38	37
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit s/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	548138	Payment for	274.069	tons @	34 92	per ton	9570.49
Freight advanced @	1.94	per ton				539.24	
Federal Tax 3%						16.18	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				8.00	
Hauling Charges							
Royalty 5% of $9000.07 Defonso Minerals Exploration Administration c/o W.H.King, Executive Officer, DMEA, 224 New Custorhouse, Denver 2, Colorado						450.00	1020 42
Amount Withheld Pending Receipt of Silver Affidavit.							
Net Payment							8550 07

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 27, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Dooly Building, Salt Lake City, Utah

C/o Eureka, Utah

Ore Crude Lot No. 179 GEU Gold License No.

Sampled by Fidvale Received 9-6-54 Sampled 9-17-54 Assayed 9-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.25 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.025	5.40	-	5.4			7.40			.37 .23
B & D	.035	5.50	.20	5.8			7.60			.30 .15
Union Umpire				5.4			7.50 av.			
Non-Sulphide				.34			.19			.34 .19
Settlement Assay	.030	5.45	.10	5.06	34.9	4.8	7.31	5.6	12.9	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
UCR 20373	117620	Gold 100% @ 22.4643		67	Treatment Base 30% Lead	3	95
UP 63619	105080	Silver 70% @ 90.0	3	43	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	$	14	Insoluble		
		Zinc	4	96	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit c/c concentration		50
Sacks					Total Debit	3	45
Net Weight	222700	Gross Value	17	20	Iron Credit		
Less H_2O 1.6 %	3564	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs.	219136	Payment for 109.568 tons @	13	75	per ton	1506.56
Freight advanced @ $1.40		per ton			155.89	
Federal Tax 3%					4.68	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
~~Royalty 5% of $1334.99 Defense Minerals Exploration Administration c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse Denver 2, Colorado~~					66.75	238 32
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	1268 24

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 27, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Eccly Building, Salt Lake City, Utah
Sp. Eureka, Utah

Ore Crude Lot No. 181-CU Gold License No.

Sampled by Miscale Received 9-17-54 Sampled 9-18-54 Assayed 9-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.533 Zinc 11.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Zn
U. S. S. R. & M. Co.	.02	6.30	-	6.7			8.8			.70	.20
D & D	.025	6.50	.20	7.0			9.0			.30	.15
Union Umpire				6.85 av.			8.9 av.			.66	
Non-Sulphide				.66			.18			.66	.18
Settlement Assay	.0225	6.40	.10	6.19	34.9	4.5	8.72	7.4	11.5		

CAR NOS.	WET WEIGHT
UP 62888	97440
UP 63132	88660
UP 65282	122040
UP 64789	99820
UP 62045	105220
Total Wet Weight	
Sacks	
Net Weight	513180
Less H_2O 1.0 %	5132

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	4	03
Copper (		
Lead (	10	48
Zinc	6	39
Gross Value	21	41
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	508048	Payment for	254.024	tons @	17	96	per ton 4562.27
Freight advanced @	$1.56	per ton					400.28
Federal Tax 3%							12.01
Assay Charges							7.00
~~Sampling or Watching Charges~~ Umpire Charge							4.00
Hauling Charges							
Royalty 5% of $4138.96 Defense Minerals Exploration Administration c/o J. H. King, Executive Officer, DMEA, 224 New Customhouse Denver 2, Colorado							206.95 630 24
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3932 03

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 27, 1954

Purchased From Chief Consolidated Mining Company

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

CP: Eureka, Utah

Ore Crude Lot No. 185 CPUL Gold License No.

Sampled by Midvale Received 9-15-54 Sampled 9-17-54 Assayed 9-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.350 Zinc 11.142

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.01	6.9	-	5.7			6.6			.33	.25
B & T	.025	7.3	.20	6.2			7.1			.25	.10
D & N Umpire				6.1			6.85 av.				
Non-Sulphide				.29			.18			.29	.18
Settlement Assay	.0175	7.1	.10	5.81	46.6	5.3	6.67	6.10	8.8		

CAR NOS.	WET WEIGHT
RG 72094	
Total Wet Weight	
Sacks	
Net Weight	141200
Less H_2O 1.7 %	2400

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	4	47
Copper (		
Lead (	9	53
Zinc	4	56
Gross Value	18	95
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	138800	Payment for	69.400	tons @	15 50	per ton	1075.70
Freight advanced @	1.40	per ton				98.84	
Federal Tax 3%						2.97	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
~~Royalty 5% of $966.89 Lefoms Minerals Exploration Administration c/o W.H.King, Executive Officer, MMA, 224 New Customhouse, Denver 2, Colorado~~						48.34	157 15
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							918 55

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

Defense Minerals Administration
RECEIVED
OCT 4 1954

224 New Customhouse
Denver 2, Colorado

September 28, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 63-GPUS and 64-GPUS by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 00786, in the amount of $785.05 in payment of royalties on these shipments.

63-GPUS	$393.36
64-GPUS	391.69
	$785.05

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

Defense Minerals Administration
RECEIVED
OCT 4 1954

224 New Customhouse
Denver 2, Colorado

September 28, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 63-GPUS and 64-GPUS by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 00786, in the amount of $785.05 in payment of royalties on these shipments.

63-GPUS	$393.36
64-GPUS	391.69
	$785.05

W H King
W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C. 77-2 ®

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 22, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Mt. Pur ka, Utah

Ore Crude Lot No. 63-GMS-[illegible]-Prod Gold License No.

Sampled by McCole Received 9-13-54 Sampled 9-15-54 Assayed 9-16-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.350 Zinc 11.142

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu Pb Cu Zn
U. S. S. R. & M. Co.	.02	9.50	tr	10.6			12.10			.40 .20
B & B	.025	10.00	.20	10.6			12.70			.25 .15
C & B Umpire		9.73		10.6 av.			12.25			
Non-Sulphide				.33			.18			.33 .18
Settlement Assay	.0225	9.73	.10	10.27	33.2	5.8	12.07	10.8	8.7	

CAR NOS.	WET WEIGHT
UP 62892	117080
RC 46383	123880
UCR 20399	121260
UP 63385	92220
UP 64926	114240
Total Wet Weight	
Sacks	
Net Weight	568680
Less H_2O 1.2 %	6824

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	6	13
Copper (		
Lead (	18	02
Zinc	8	37
Gross Value	33	53
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrator		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	561856	Payment for	280.928	tons @	30.08	per ton	8450.31
Freight advanced @	1.94	per ton				551.62	
Federal Tax 3%						16.55	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						8.00	
Hauling Charges							
Royalty 5% of $7867.14 Defense Minerals Exploration Administration c/o L. E. King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						393.36	976 53
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							7473 78

FORM C:O. 77-2 ®

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

708

Salt Lake City, Utah, September 22, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

Ore Crude — Lot No. 64-CUS-PPA-Prod — Gold License No.

Sampled by Fidvale — Received 9-13-54 — Sampled 9-15-54 — Assayed 9-16-54

Metal Quotations—Gold 34.5125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.350 Zinc 11.142

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.02	9.90		9.3			13.0			.37 .18
D. & D.	.025	10.20	.20	10.2			13.3			.25 .30
Bardwell Umpire		9.93		9.9			13.15 av.			
Non-Sulphide				.31			.24			.31 .24
Settlement Assay	.0225	9.93	.10	9.59	36.3	5.7	12.91	11.3	7.5	

CAR NOS.	WET WEIGHT
~~UP 45472~~	~~125180~~
~~UP 63931~~	~~113660~~
~~UP 64524~~	~~113580~~
~~UP 66772~~	~~110040~~
~~UP 62786~~	~~106920~~
Total Wet Weight	
Sacks	
Net Weight	~~577380~~
Less H_2O 1.3 %	7506

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	6	26
Copper (		
Lead (	16	65
Zinc	9	60
Gross Value	33	02
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 569874 Payment for 284.937 tons @ 29 57 per ton 8425.59

Freight advanced @ $1.94 per ton	560.06	
Federal Tax 3%	16.80	
Assay Charges	7.00	
Sampling or Watching Charges Umpire Charge	8.00	
Hauling Charges		
~~Royalty 5% of $7833.73 Defense Minerals Exploration Administration c/o W. H. King, Executive Officer, DMEA, Denver 2, Colorado (224 New Customhouse)~~	~~391.69~~	~~983 55~~
Amount Withheld Pending Receipt of Silver Affidavit		
Net Payment		7442 04

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

224 New Customhouse
Denver 2, Colorado

September 23, 1954

Memorandum

To: T. A Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 180-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is United States Smelting, Refining and Mining Company's check, No. 00785, in the amount of $61.47 in payment of royalty on this shipment.

W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, September 21, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Crude Lot No. 180-[illegible]-1 Gold License No.

Sampled by Midvale Received 9-10-54 Sampled 9-11-54 Assayed 9-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.350 Zinc 11.142

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Zn
U. S. S. R. & M. Co.	.012	8.90	–	6.10			6.60			.20	.23
R & T	.020	9.50	.20	6.40			6.80			.10	.20
Union Umpire		8.98		6.25av.			6.70 av.				
Non-Sulphide				.15			.22			.15	.22
Settlement Assay	.016	8.98	.10	6.1[illegible]	42.5	5.8	6.48	7.6	9.8		

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RC 72763		Gold 100% @22.4643		36	Treatment Base 30% Lead	3	95
		Silver 70% @ 90.0	5	66	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	10	02	Insoluble		
		Zinc	4	42	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	163760	Gross Value	20	46	Iron Credit		
Less H_2O 1.5 %	2456	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 161304	Payment for 80.652	tons @	17	01	per ton	1371.89
Freight advanced @ 1.56	per ton				127.73	
Federal Tax 3%					3.83	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $1229.33 Defense Minerals Exploration Administration c/o V.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					61.47	204 03
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						1167 86

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

Defense Minerals Administration
RECEIVED
SEP 23 1954

224 New Customhouse
Denver 2, Colorado

September 20, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 61-GPUS and 62-GPUS by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is check in the amount of $323.32 in payment of royalties on these shipments as follows:

61-GPUS	$242.85
62-GPUS	80.47
	$323.32

W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 17, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 61-GPUS-DIPA-Prod Gold License No.

Sampled by Midvale Received 9-4-54 Sampled 9-9-54 Assayed 9-10-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.25 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ~~Cu~~ Pb Cu Zn
U. S. S. R. & M. Co.	.02	7.40	-	7.50			8.8			.37 .18
~~B & D~~	~~.02~~	~~7.10~~	~~.20~~	~~8.10~~			~~9.0~~			~~.20 .10~~
Bardwell Umpire				7.80			8.9 av.			
Non-Sulphide				.29			.14			.29 .14
Settlement Assay	.02	7.25	.10	7.51	38.8	5.8	8.76	9.4	8.5	

CAR NOS.	WET WEIGHT
UP 63513	101440
UP 63311	103240
UP 64893	104400
UP 62242	108100
UP 62755	121480
Total Wet Weight	
Sacks	
Net Weight	538660
Less H_2O 1.5 %	8080

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70% @ 90.0	4	57
Copper (		
Lead (	12	51
Zinc	6	05
Gross Value	23	58
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	530580	Payment for	265.290	tons @	20 13	per ton	5340.29
Freight advanced @	$1.71	per ton				460.55	
Federal Tax 3%						13.82	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		~~Umpire Charge~~				2.00	
Hauling Charges							
Royalty 5% of $4856.92 Defense Minerals Exploration Administration, c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						242.85	726 22
						Amount Withheld Pending Receipt of Silver Affidavit	
						Net Payment	4614 07

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 17, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 62-GPUS-DMPA-Prod Gold License No.

Sampled by Midvale Received 9-7-54 Sampled 9-13-54 Assayed 9-14-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.25 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.017	7.20	-	5.60			7.90			.30 .18
B & D	.020	7.40	.20	5.80			8.10			.15 .20
Umpire				5.70 av.			8.00 av.			
Non-Sulphide				.23			.19			.23 .19
Settlement Assay	.0185	7.30	.10	5.47	43.2	5.7	7.81	8.2	9.1	

CAR NOS.	WET WEIGHT
UP 66788	87540
RG 72017	144460
Total Wet Weight	
Sacks	
Net Weight	232000
Less H_2O 1.2 %	2784

METAL VALUE		
Gold 100% @ 22.4643		42
Silver 70% @ 90.0	4	60
Copper		
Lead	8	83
Zinc	5	33
Gross Value	19	18
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	229216	Payment for	114.608	tons @	15 73	per ton	1802.78
Freight advanced @	$1.56	per ton				180.96	
Federal Tax 3%						5.43	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $1609.39 Defense Mineral Exploration Administration, c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						80.47	273 86
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1528 92

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

224 New Customhouse
Denver 2, Colorado

September 16, 1954

Unusual
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 59-GPUS, 60-GPUS, 177-GPU, and 178-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $597.45 in payment of royalties on these shipments as follows:

59-GPUS	$231.14
60-GPUS	196.40
177-GPU	105.81
178-GPU	64.10
	$597.45

John F. Shaw
John F. Shaw
For W. H. King

Enclosures

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 10, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 50-CPUS-DMPA-Prod Gold License No.

Sampled by Hewlo Received 8-30-54 Sampled 9-2-54 Assayed 9-3-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.042 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxid Zn
U. S. S. R. & M. Co.	.02	7.40	–	6.80			9.40			.43 .17
D & T	.025	7.60	.20	7.30			9.60			.30 .10
Union Umpire				7.00			9.50	av.		
Non-Sulphide				.37			.14			.37 .14
Settlement Assay	.0225	7.50	.10	6.63	41.8	5.2	9.36	9.6	7.8	

CAR NOS.	WET WEIGHT
UP 64684	109000
UP 62374	105280
UP 63003	113560
UP 64016	116520
UP 60771	101080
Total Wet Weight	
Sacks	
Net Weight	546040
Less H_2O 1.4 %	7644

METAL VALUE		
Gold 100% @22.4643		51
Silver 70% @90.0	4	73
Copper (		
Lead (	10	69
Zinc	6	52
Gross Value	22	45
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 538396	Payment for 269.198	tons @	19	00	per ton	5114.76
Freight advanced @ $1.71	per ton				466.26	
Federal Tax 3%					14.01	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $4622.89 Defense Minerals Exploration Administration, c/o W.E.Fing, Executive Officer, DMEA, 224 New Customhouse, Denver 2 Colorado					231.14	723 01
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						4391 75

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

786

Salt Lake City, Utah, September 13, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude — Lot No. 60 CUC-DPA-Prod — Gold License No.

Sampled by Midvale — Received 9-1-54 — Sampled 9-3-54 — Assayed 9-7-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.042 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaPbO3
U. S. S. R. & M. Co.	.02	6.7	-	6.4			8.7		.23	.10
B & F	.02	6.9	.20	6.6			9.3		.25	.10
D & H Umpire				6.5 av.			8.7			
Non-Sulphide				.24			.14		.24	.14
Settlement Assay	.02	6.8	.10	6.26	38.10	5.4	8.56	10.3		

CAR NOS.	WET WEIGHT
UP 62219	105520
UP 62395	103020
UP 65902	101160
UP 65259	106760
UP 65469	98280
Total Wet Weight	
Sacks	
Net Weight	514740
Less H_2O 1.6 %	8236

METAL VALUE		
Gold 100% @22.4643		45
Silver 70% @ 90.0	4	28
Copper		
Lead	10	01
Zinc	5	90
Gross Value	20	64
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble*		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	506404	Payment for	253.202	tons @	17	19	per ton 4352.54
Freight advanced @	1.56	per ton					401.50
Federal Tax 3%							12.05
Assay Charges							7.00
~~Sampling or Watching Charges~~		Umpire Charge					4.00
Hauling Charges							
Royalty 5% of $3927.99 Defense Minerals Exploration Administration c/o W.H. King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							196.40 — 620 95
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3731 59

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 13, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

Eureka, Utah

Ore Crude Lot No. 177-GHU Gold License No.

Sampled by Hidvale Received 9-3-54 Sampled 9-8-54 Assayed 9-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.25 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.02	5.60	-	5.60			7.60			.30 .20
B & T	.02	5.50	.20	5.90			8.00			.20 .15
Umpire				5.75 av.			7.80 av.			
Non-Sulphide				.25			.18			.25 .18
Settlement Assay	.02	5.55	.10	5.50	33.9	4.3	7.62	7.0	13.0	

CAR NOS.	WET WEIGHT
UP 64254	94700
UCR 20012	113180
UCP 21198	121420
Total Wet Weight	
Sacks	
Net Weight	329300
Less H_2O 1.6 %	5268

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70 % @ 90.0	3	50
Copper (		
Lead (	8	88
Zinc	5	19
Gross Value	18	02
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	324032	Payment for	162.016	tons @	14 57	per ton	2360.57
Freight advanced @	$1.40	per ton				230.51	
Federal Tax 3%						6.92	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $2116.14		Defense Minerals Exploration Administration, C/O W. H. King, Executive Officer, DMEA, 224 New Customhouse, Denver 2 Colorado				105.81	350 24
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2010 33

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 13,

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
OR: Eureka, Utah

Ore Crude Lot No. 178 CU-L Gold License No.

Sampled by Fidenlo Received 9-2-54 Sampled 9-7-54 Assayed 9-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.25 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CuPbCuZn
U. S. S. R. & M. Co.	.02	8.60	-	9.5			7.6			.70 .21
B & D	.02	9.30	.20	9.8			8.7			.25 .15
C & M Umpire				9.65 av.			8.4			.48
Non-Sulphide				.18			.18			.18 .18
Settlement Assay	.02	9.05	.10	9.17	30.6	4.2	8.22	8.2	12.6	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RC 45274		Gold 100% @ 22.4643		45	Treatment Base 30% Lead	3	95
		Silver 70% @ 90.0	5	70	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	35	72	Insoluble		
		Zinc	5	64	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concessio		50
Sacks					Total Debit	3	45
Net Weight	120380	Gross Value	27	51	Iron Credit		
Less H_2O 3.4 %	4092	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 116288	Payment for 58.144 tons @	24 06	per ton		1398.94
Freight advanced @ $1.71 per ton			102.92		
Federal Tax 3%			3.09		
Assay Charges			7.00		
Sampling or Watching Charges			4.00		
Hauling Charges					
Royalty 5% of $1281.93 Defense Minerals Exploration Administration c/o W.H.King, Executive Officer, DMEA, 274 New Customhouse, Denver 2, Colorado			64.10		181 11
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment					1217 83

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

224 New Customhouse
Denver 2, Colorado

September 14, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 and 1A, Contract No. E-4, Utah

Enclosed is settlement sheet covering ore shipped under Lot Numbers 58-GPUS, 174-GPU, and 176-GPU by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is check in the amount of $324.14 in payment of royalty on these shipments.

58-GPUS	$200.13
174-GPU	88.38
176-GPU	35.63
	$324.14

John F. Shaw
John F. Shaw
For W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 9, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Booly Building, Salt Lake City, Utah

SP: Eureka, Utah

Ore Crude Lot No. 58-GUE-DPA-Prod Gold License No.

Sampled by Nievale Received 8-27-54 Sampled 8-29-54 Assayed 8-30-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.042 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.02	7.5	-	6.1			8.6			.27 .18
B & D	.02	7.5	.20	7.0			9.0			.25 .15
D & N Umpire				6.6			8.8 avg.			
Non-Sulphide				.26			.17			.26 .17
Settlement Assay	.02	7.5	.10	6.34	42.30	6.20	8.63	9.10	8.90	

CAR NOS.	WET WEIGHT
UP 63609	107140
UP 63887	75340
UP 62036	104400
UP 64124	106020
UP 66338	104920
Total Wet Weight	
Sacks	
Net Weight	497820
Less H_2O 0.7 %	3484

METAL VALUE	
Gold 100% @ 22.4643	45
Silver 70 % @ 90.0	4 73
Copper (	
Lead (	10 16
Zinc	5 95
Gross Value	21 29
Less Working Charge	3 45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	494336	Payment for	247.168	tons @	17 84	per ton	4409.48
Freight advanced @	$1.56	per ton				388.30	
Federal Tax 3 %						11.65	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $4002.53 Treasurer of the United States, c/o U.H.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						200.13	607 08
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3802 40

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 9, 1954

Purchased From Chief Consolidated Mining Company

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

ST: Aurora, Utah

Ore Crude Lot No. 174 CFU Gold License No.

Sampled by Fidvalo Received 8-24-54 Sampled 8-27-54 Assayed 8-28-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.015	3.60	-	4.6			7.5			.30	.18
B & D	.020	3.80	.20	5.2			8.3			.20	.25
Umpire				5.1			7.9				
Non-Sulphide				.25			.22			.25	.22
Settlement Assay	.0175	3.70	.10	4.85	30.9	4.4	7.68	6.9	14.0		

CAR NOS.	WET WEIGHT
UP 62527	102540
UP 64524	102420
UP 65520	101240
UP 64777	101640
UP 63680	99080
Total Wet Weight	
Sacks	
Net Weight	506980
Less H_2O 1.3 %	6590

METAL VALUE	
Gold 100% @22.1643	39
Silver 65 % @ 90.0	2 16
Copper (	
Lead (	7 02
Zinc	5 23
Gross Value	14 80
Less Working Charge	3 45

WORKING CHARGE	
Treatment Base 30% Lead	3 95
Credit Acc't Over 30% Pb.	
Debit Acc't Under 30% Pb.	
Insoluble	
Zinc Charge, excess over 6%	
Sulphur Charge, excess over 2%	
Arsenic Charge, excess over 2%	
Credit a/c concession	50
Total Debit	3 45
Iron Credit	
Net Working Charge	

Dry Weight, lbs. 500390	Payment for 250.195 tons @	11 35	per ton	2839.71	
Freight advanced @ $1.17 per ton			296.58		
Federal Tax 3%			8.90		
Assay Charges			7.00		
~~Sampling or Watching Charges~~ Umpire Charge			2.00		
Hauling Charges					
Royalty 3½% of $2525.23 Treasurer of the United States, c/o W.H.King Executive Officer, USA, 224 New Customhouse, Denver 2, Colorado			88.38	402	86
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment				2436	85

FORM C.O. 77-2 ®

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, September 9, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Judy Building, Salt Lake City, Utah

[illegible] Utah

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

Sampled by [illegible] Received 8-30-54 Sampled 9-2-54 Assayed 9-3-54

Metal Quotations—Gold 34.0175 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.042 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]	PER CENT Zn
U. S. S. R. & M. Co.	.015	3.3	-	4.2			6.3			.03	.20
[illegible]	.000	3.5	.20	4.2			6.4			.00	.10
Umpire				4.7 av.			6.35 av.				
Non-Sulphide				.32			.15			.22	.15
Settlement Assay	.0175	3.4	.10	3.98	31.6	3.5	6.20	5.7	14.[illegible]		

CAR NOS.	WET WEIGHT
UP 6237	9920
UP 6339	10100
UP 6353	11760
UP 6292	11360
UP 7362	13440
Use 100,000 minimum	
Weight to be used for freight	
~~Total Wet Weight~~ Purchase # is (15200)	
Sacks	
Net Weight	(12220)
Less H_2O 1.3 %	7958

METAL VALUE		
Gold 100% @ 22.4043		39
Silver 65 % @ 90.0	1	99
Copper		
Lead	5	79
Zinc	4	14
Gross Value	12	31
Less Working Charge	3	25

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. [illegible] Payment for 300.331 tons @ 8|86 per ton 2676.88

Freight advanced @ 93¢ per ton	296.07	
Federal Tax 3%	8.58	
Assay Charges	7.00	
Sampling or Watching Charges		
Hauling Charges		
Certify 1% of (2375.73) Treasurer of the United States, c/o [illegible] Executive Officer, [illegible], 2?? Low Warehouse, Denver 2, Colorado	23.80	337 25
Amount Withheld Pending Receipt of Silver Affidavit		
Net Payment		2339 60

Rec'd SEP 13 1954

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

224, New Customhouse
Denver 2, Colorado

September 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Chief Consolidated Mining Company
Docket No. 1 and 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 56-GPUS, 57-GPUS, and 175-GPUL by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $681.94 in payment of royalty on these shipments.

Lot. No. 56-GPUS	$267.16
57-GPUS	257.54
175-GPUL	157.24
	$681.94

John F. Shaw
For W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, September 7, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Kenyon Building, Salt Lake City, Utah

Eureka, Utah

Ore Crude Lot No. 54-CUS-MIA-Pro Gold License No.

Sampled by Hawle Received 8-26-54 Sampled 8-26-54 Assayed 8-27-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 16.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Mn	PER CENT Mn
U. S. S. R. & M. Co.	.015	7.30	-	7.6			10.9			.57	.20
B & T	.020	7.30	.20	8.2			11.3			.60	.25
Union Umpire				7.7			11.1 av.				
Non-Sulphide				.59			.23			.59	.23
Settlement Assay	.0175	7.30	.10	7.11	42.2	5.2	10.87	9.3	1.4		

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
UP 64666	96900	Gold 100% @ 22.1643		39	Treatment Base 30% Lead	3	95
UP 65894	109400	Silver 70 % @ 90.0	4	60	Credit Acc't Over 30% Pb.		
UP 64061	103060	Copper (			Debit Acc't Under 30% Pb.		
UP 64717	112420	Lead (	11	56	Insoluble		
BC 71731	146000	Zinc	7	73	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit c/o concentration		50
Sacks					Total Debit	3	45
Net Weight	567700	Gross Value	24	28	Iron Credit		
Less H_2O 1.0 %	5678	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 562122	Payment for 281.061	tons @	20	03	per ton	5654.29
Freight advanced @ 1.71	per ton				485.45	
Federal Tax 3%					14.56	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $5343.28 Treasurer of the United States, c/o U.S. Mint Executive Officer, MTA, 224 Federal Customhouse, Denver 2, Colorado					267.16	778 17
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	5076 12

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

8 706

Salt Lake City, Utah, September 7, 1954

Purchased From Chief Consolidated Mining Company

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

P: Eureka, Utah

Ore Crude Lot No. 57-GRUE-DMPA-Prod Gold License No.

Sampled by Melvale Received 8-27-54 Sampled 8-29-54 Assayed 8-30-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.042 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CuPbOxZn
U. S. S. R. & M. Co.	.015	7.7	-	8.0			9.6			.20 .18
B & D	.025	8.0	.20	8.7			10.0			.50 .15
Union Umpire				8.3			9.8 av.			
Non-Sulphide				.35			.17			.35 .17
Settlement Assay	.020	7.85	.10	7.95	39.5	6.3	9.63	9.4	8.6	

CAR NOS.	WET WEIGHT
UP 65074	118660
UP 66723	96140
UP 65915	115780
UP 62088	96240
UP 63145	96800
Total Wet Weight	
Sacks	
Net Weight	523620
Less H_2O 1.3 %	6806

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70% @ 90.0	4	95
Copper		
Lead	13	07
Zinc	6	74
Gross Value	25	21
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	516812	Payment for	258.406	tons @	21	76	per ton 5622.91
Freight advanced @	$1.71	per ton					447.70
Federal Tax 3%							13.43
Assay Charges							7.00
Sampling or Watching Charges		Umpire Charge					4.00
Hauling Charges							
Royalty 5% of $5150.72 Treasurer of the United States, c/o W.H.King Executive Officer, DMEA, 224 New Customhouse, Denver, 2 Colorado							257.54 729 67
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4893 24

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 7, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 175 CPUL Gold License No.

Sampled by Midvale Received 8-25-54 Sampled 8-27-54 Assayed 8-28-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb OxZn
U. S. S. R. & M. Co.	.02	14.5	-	15.0			8.2			.30 .20
D & D	.025	14.8	.20	15.4			8.8			.20 .15
C & M Umpire				15.4			8.55			
Non-Sulphide				.25			.18			.25 .18
Settlement Assay	.0225	14.65	.10	15.15	26.4	5.3	8.37	9.8	11.1	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RG 71456		Gold 100% @ 22.4643		51	Treatment Base 30% Lead	2	95
		Silver 80% @ 90.0	10	55	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	25	69	Insoluble		
		Zinc	5	76	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	173880	Gross Value	42	51	Iron Credit		
Less H_2O 1.2 %	2086	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs.	171794	Payment for	85.897	tons @	39 06	per ton	3355.14
Freight advanced @	$2.27	per ton				197.35	
Federal Tax 3%						5.92	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3144.87 Treasurer of the United States, c/o W.H.King Executive Officer, DIEA, 224 New Customhouse, Denver, Colorado						157.24	367 51
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2987 63

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

Minerals
RECEIV
SEP 13 1954

224 New Customhouse
Denver 2, Colorado

September 8, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 53-GPUS by Chief Consolidated Mining Company to United States Smelting, Refining, and Mining Company.

Also enclosed is check in the amount of $234.02 in payment of royalty on this shipment.

W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM NO. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, September 2, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Dr. Eureka, Utah

Ore Crude Lot No. 53-CHS-IMPA-Prod Gold License No.

Sampled by Midvale Received 8-16-54 Sampled 8-19-54 Assayed 8-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.02	7.30	-	7.40			9.70			.70 .23
P & P	.03	6.90	.20	8.30			10.20			.80 .10
C & M Umpire				7.80			9.95 Avg.			
Non-Sulphide				.75			.17			.75 .17
Settlement Assay	.025	7.10	.10	7.05	33.5	5.9	9.78	9.4	10.8	

CAR NOS.	WET WEIGHT
UP 65831	108860
UP 65967	113660
UP 66510	109660
UP 64496	98300
UP 65026	97220
Total Wet Weight	
Sacks	
Net Weight	527700
Less H_2O 1.9 %	10026

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70% @ 90.0	4	47
Copper		
Lead	11	49
Zinc	6	85
Gross Value	23	37
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 517674	Payment for 258.837	tons @	19	92	per ton	5156.03	
Freight advanced @ 1.71	per ton				451.18		
Federal Tax 3%					13.54		
Assay Charges					7.00		
Sampling or Watching Charges	Umpire Charge				4.00		
Hauling Charges							
Royalty 5% of $4680.31 Treasurer of the United States, c/o W.H.King Executive Officer, IMPA, 224 New Customhouse, Denver 2, Colorado					234.02	709	74
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment	4446	29

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

224 New Customhouse
Denver 2, Colorado

September 2, 1954

Steinwold
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 55-GPUS by Chief Consolidated Mining Company to United States Smelting Refining and Mining Company.

Also enclosed is check in the amount of $245.85 in payment of royalty on this shipment.

W H King
W. H. King

Enclosure

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, August 31, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
UP: Eureka, Utah

Ore Crude Lot No. 55-CPUB-DPTA-Prod Gold License No.

Sampled by Midvale Received 8-30-54 Sampled 8-24-54 Assayed 8-25-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Zn
U. S. S. R. & M. Co.	.015	8.90	-	7.7			9.2			.73	.18
P & P	.020	8.80	.20	8.2			9.4			.80	.10
Bardwell Umpire				7.8			9.3 av				
Non-Sulphide				.77			.14			.77	.14
Settlement Assay	.0175	8.85	.10	7.03	43.4	5.90	9.16	9.2	7.9		

CAR NOS.	WET WEIGHT
UP 64304	102120
UP 64453	105060
UP 63748	104980
UP 65003	109000
UP 64328	116100
Total Wet Weight	
Sacks	
Net Weight	537260
Less H_2O 1.1 %	5910

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	5	52
Copper (		
Lead (	11	45
Zinc	6	36
Gross Value	23	78
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	531350	Payment for	265.675	tons @	20 33	per ton	5402.17
Freight advanced @	$1.71	per ton				453.36	
Federal Tax 3%						13.76	
Assay Charges						7.00	
~~Sampling or Watching Charges~~	~~Umpire Charge~~					4.00	
Hauling Charges							
Royalty 5% of $4917.03 Treasurer of the United States, c/o W.H.King Executive Officer, USBM, 224 New Customhouse, Denver 2, Colorado						245.85	729 99
						Amount Withheld Pending Receipt of Silver Affidavit	
						Net Payment	4672 18

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

224 New Customhouse
Denver 2, Colorado

September 2, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 54-GPUS and 173 GPUL by Chief Consolidated Mining Company to United States Smelting Refining and Mining Company.

Also enclosed is check in the amount of $419.48 in payment of royalty on these shipments.

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. [illegible]

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, August 30, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah

SP: Eureka, Utah

Ore Crude Lot No. 54-CPCB-EVTA-Prod Gold License No.

Sampled by Fidvale Received 8-18-54 Sampled 8-21-54 Assayed 8-23-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Or bOr2n
U. S. S. R. & M. Co.	.015	8.40	-	8.10			9.6			1.23 .20
E & F	.030	8.40	.20	8.70			10.0			.30 .10
Union Umpire				8.20			9.8 avg.			1.32
Non-Sulphide				1.23			.15			1.23 .15
Settlement Assay	.0225	8.40	.10	6.97	36.7	6.8	9.65	10.0	9.3	

CAR NOS.	WET WEIGHT
UP 63486	106840
UP 63948	106980
UP 62821	112380
UP 64566	99420
UP 64871	104980
Total Wet Weight	
Sacks	
Net Weight	530660
Less H_2O 1.3 %	6898

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	5	29
Copper (		
Lead (	11	46
Zinc	6	75
Gross Value	24	01
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 523762	Payment for 261.881	tons @	20	56	per ton	5384.27
Freight advanced @ 1.71	per ton				453.71	
Federal Tax 3%					13.61	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					8.00	
Hauling Charges						
Royalty 5% of $4901.95 Treasurer of the United States, c/o W.E.King Executive Officer, USM, 224 New Customhouse, Denver 2, Colorado					245.10	727 42
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						4656 85

FORM C.O. 2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

796

Salt Lake City, Utah, August 30, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

Ps Eureka, Utah

Ore Crude Lot No. 173 CTUL Gold License No.

Sampled by Mdvale Received 8-14-54 Sampled 8-20-54 Assayed 8-21-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.02	17.8	-	18.10			8.8			.23 .18
B & D	.03	17.8	.20	18.90			9.5			.20 .10
D & H Umpire				18.50			9.2			
Non-Sulphide				.22			.14			.22 .14
Settlement Assay	.025	17.8	.10	18.28	25.6	6.3	9.06	9.30	10.0	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RG 46654		Gold 100% @22.4643		56	Treatment Base 30% Lead	3	95
		Silver 60 % @ 90.0	12	82	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	30	97	Insoluble		
		Zinc	6	29	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concentration		80
Sacks					Total Debit	3	15
Net Weight	156740	Gross Value	50	64	Iron Credit		
Less H_2O 0.5 %	784	Less Working Charge	3	15	Net Working Charge		

Dry Weight, lbs. 155956	Payment for 77.978 tons @	47	19	per ton	3679.78
Freight advanced @ 22.27	per ton			177.90	
Federal Tax 3%				5.34	
Assay Charges				7.00	
Sampling or Watching Charges Umpire Charge				2.00	
Hauling Charges					
Royalty 5% of $3487.54 Treasurer of the United States, c/o U.S. Mint Executive Officer, 1134, 224 New Customhouse, Denver 2, Colorado				174.38	366 62
				Amount Withheld Pending Receipt of Silver Affidavit	
				Net Payment	3313 16

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

224 New Customhouse
Denver 2, Colorado

August 30, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 172-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $181.04 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, August 27, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
(Pt Eureka, Utah

Ore Crude Lot No. 172 CFU Gold License No.

Sampled by Nicvale Received 8-13-54 Sampled 8-17-54 Assayed 8-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Cu/Zn
U. S. S. R. & M. Co.	.015	3.3	-	5.9			9.4			.20 .20
D & I	.020	3.3	.20	6.3			9.9			.15 .10
Barthell Umpire				6.4			9.65 av.			
Non-Sulphide				.18			.15			.18 .15
Settlement Assay	.0175	3.3	.10	6.12	36.5	5.8	9.50	8.4	10.6	

CAR NOS.	WET WEIGHT
UP 62689	111400
UP 62225	103540
UP 64279	105400
UP 64290	109440
UP 66272	106300
Total Wet Weight	
Sacks	
Net Weight	536000
Less H_2O 1.6 %	8576

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 65 % @ 90.0	1	93
Copper (		
Lead (	9	72
Zinc	6	63
Gross Value	18	67
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	527502	Payment for	263.751	tons @	15 22	per ton	4014.29
Freight advanced @	$1.40	per ton				375.26	
Federal Tax 3 %						11.26	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3620.77 Treasurer of the United States, c/o U.N.King Executive Officer, DTEA, 224 New Customhouse, Denver 2, Colorado						181.04	574 56
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3439 73

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

224 New Customhouse
Denver 2, Colorado

August 27, 1954

Griswold
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 52 GPUS-DMPA by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $227.72 in payment of royalty on this shipment.

W H King
W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson
Chron.

FORM C.O. 37-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, August 25, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 52 CHE-D DA-Prod Gold License No.

Sampled by McVale Received 8-13-54 Sampled 8-16-54 Assayed 8-17-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Zn
U. S. S. R. & M. Co.	.02	7.1	-	8.4			9.8			1.63	.20
B & D	.02	7.5	.2	9.0			10.3			1.50	.15
I & N Umpire				8.5			10.05 avg.				
Non-Sulphide				1.57			.18			1.57	.18
Settlement Assay	.02	7.3	.10	6.93	35.7	5.8	9.87	9.9	9.6		

CAR NOS.	WET WEIGHT
UP 64751	97500
UP 66686	101280
UP 62792	102420
UP 64300	114320
UP 64450	94040
Total Wet Weight	
Sacks	
Net Weight	509560
Less H_2O 1.6 %	8152

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70 % @ 90.0	4	60
Copper		
Lead	11	47
Zinc	6	93
Gross Value	23	45
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit s/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	501402	Payment for	250.701 tons @	20 00	per ton	5014.08
Freight advanced @	1.71	per ton			435.67	
~~Federal Tax 3%~~					13.07	
Assay Charges					7.00	
Sampling or Watching Charges ~~Umpire Charge~~					4.00	
Hauling Charges						
~~Royalty 5% of $4554.34 Treasurer of the United States, c/o U.S. Mint Executive Officer, BISM, 224 New Customhouse, Denver 2, Colorado~~					227.72	627 46
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						4386 62

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

224 New Customhouse
Denver 2, Colorado

August 24, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region 1V

Subject: Royalty-Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 50 GPUS-DMPA and 51 GPUS-DMPA by Chief Consolidated Mining Company to United States Smelting Refining and Mining Company.

Also enclosed is check in the amount of $460.18 in payment of royalties on these shipments as follows:

Lot No. 50 GPUS-DMPA	$241.07
Lot No. 51 GPUS-DMPA	219.11
	$460.18

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, August 20, 1954

Purchased From Chief Consolidated Mining Company

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

SP: Eureka, Utah

Ore Crude *Lot No.* 51-CUS-UPA-Prod *Gold License No.*

Sampled by Hidvale *Received* 8-11-54 *Sampled* 8-13-54 *Assayed* 8-14-54

Metal Quotations—Gold 34.9125 *Silver* 90.0 *Copper, N. Y.* *Lead, N. Y.* 14.00 *Zinc* 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaO	PER CENT MgO
U. S. S. R. & M. Co.	.015	6.8	–	6.7			10.0			.57	.20
P. & T.	.02	6.9	.20	7.5			11.5			.60	.25
Union Umpire				6.7			11.1				
Non-Sulphide				.59			.23			.59	.23
Settlement Assay	.0175	6.85	.10	6.11	37.1	5.8	10.87	9.5	9.3		

CAR NOS.	WET WEIGHT
UP 64641	102720
UP 63866	93240
UP 64730	115420
UP 62843	104340
UP 60053	110000
Total Wet Weight	
Sacks	
Net Weight	526620
Less H_2O 1.7 %	8952

METAL VALUE		
Gold 100% @ 22.1643		39
Silver 70% @ 90.0	4	32
Copper (		
Lead (	9	79
Zinc	7	73
Gross Value	22	23
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concessio		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	517668	Payment for	258.834	tons @	18 78	per ton	4860.90
Freight advanced @	$1.71	per ton				450.26	
Federal Tax 3%						13.51	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Depiro Charge						8.00	
Hauling Charges							
Royalty 5% of $4382.13 Treasurer of the United States, c/o W. H. King Executive Officer, USA, 204 New Customhouse, Denver 2, Colorado						219.11	697 88
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4163 02

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, August 20, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude — Lot No. 50 GPUS-DMFA-Prod — Gold License No.

Sampled by Michele — Received 8-12-54 — Sampled 8-14-54 — Assayed 8-16-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oz/Lb Oz/Lb
U. S. S. R. & M. Co.	.015	7.5	.10	8.7			9.2			1.70 .17
D & E	.02	7.8	.20	9.2			10.0			1.50 .25
Dardwell Umpire				8.8			9.8			
Non-Sulphide				1.60			.21			1.60 .21
Settlement Assay	.0175	7.65	.15	7.2	37.9	5.6	9.59	8.4	9.4	

CAR NOS.	WET WEIGHT
UP 63531	104860
UP 63266	109000
UP 63256	96840
UP 65586	103000
UP 62140	109520
Total Wet Weight	
Sacks	
Net Weight	523220
Less H_2O 1.4 %	7326

METAL VALUE		
Gold 100% @ 22.4613		39
Silver 70 % @ 90.0	4	82
Copper (		
Lead (	12	05
Zinc	6	71
Gross Value	23	97
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	515894	Payment for	257.947	tons @	20 52	per ton	5293.07
Freight advanced @	1.71	per ton				447.35	
Federal Tax 3%						13.42	
Assay Charges-						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						4.00	
Hauling Charges							
Royalty 5% of $4821.30 Treasurer of the United States, c/o W.B.King Executive Officer, IRS, 224 Day Customhouse, Denver 2, Colorado						241.07	712 84
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4580 23

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

224 New Customhouse
Denver 2, Colorado

August 19, 1954

Memorandum

~~Answered~~
Betty

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under the Lot Numbers listed below by Chief Consolidated Mining Company to the United States Smelting Refining and Mining Company.

Also enclosed is check in the amount of $1,555.57 in payment of royalties on these shipments as follows:

Lot No.	46-GPUS	$325.60
	47-GPUS	294.08
	48-GPUS	376.36
	49-GPUS	295.08
	170-GPU	102.84
	171-GPU	161.61
		$1,555.57

W H King
W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, August 13, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 605 Dooly Building, Salt Lake City, Utah

Ch: Eureka, Utah

Ore Crude Lot No. 40-CCM-LMPA-Prod Gold License No.

Sampled by Rivera Received 7-30-54 Sampled 8-3-54 Assayed 8-4-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CARBONATE
U. S. S. R. & M. Co.	.02	8.10	-	9.0			12.6			1.00 .20
D & I	.03	8.40	.20	9.5			13.1			.40 .20
D & I Umpire				9.3			12.65	ave.		.70
Non-Sulphide				.7			.20			.70 .20
Settlement Assay	.025	8.25	.10	8.6	33.6	5.6	12.65	11.0	8.7	

CAR NOS.	WET WEIGHT
UP 62366	109620
UP 65450	117320
UP 63230	111060
UP 64810	99660
UP 63941	111000
Total Wet Weight	
Sacks	
Net Weight	549680
Less H_2O 1.4 %	7696

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70% @ 90.0	5	20
Copper		
Lead	14	33
Zinc	9	21
Gross Value	29	30
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c conversion		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	543984	Payment for	270.992	tons @	25 85	per ton	7005.14
Freight advanced @	1.71	per ton				463.98	
Federal Tax 3%						14.10	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Depire Charge				2.00	
Hauling Charges							
Royalty 9% of $6512.00 Treasurer of the United States, c/o U.P. King						325.60	818 68
Executive Officer, FDA, 224 Customhouse, Denver 2, Colorado							
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment		6186 46

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, August 13, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Cooly Building, Salt Lake City, Utah
Ut: Eureka, Utah

Ore Crude Lot No. 47-C-U-B-I-PA-Iron Gold License No.

Sampled by Mirnulo Received 7-31-54 Sampled 8-4-54 Assayed 8-5-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Calt Orzn
U. S. S. R. & M. Co.	.02	7.60	-	7.90			11.0		.27	.21
B & P	.025	8.00	.20	8.90			11.4		.35	.20
Barthell Umpire				8.40			11.2 avg.			
Non-Sulphide				.21			.21		.21	.21
Settlement Assay	.0275	7.80	.10	8.19	36.6	5.8	10.99	9.9	9.0	

CAR NOS.	WET WEIGHT
UP 63441	105800
UP 66433	108420
UP 63860	106540
UP 66233	106880
UP 62211	127300
Total Wet Weight	
Sacks	
Net Weight	555020
Less H_2O 1.0 %	5550

METAL VALUE		
Gold 100% @ 22.4613		51
Silver 70 % @ 90.0	4	91
Copper		
Lead	13	42
Zinc	7	83
Gross Value	26	67
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	549470	Payment for	274.735	tons @	23 22	per ton 6379.35
Freight advanced @	1.71	per ton				474.54
Federal Tax 3%						14.24
Assay Charges						7.00
~~Sampling or Watching Charges~~ Impire Charge						2.00
Hauling Charges						
Royalty 5% of $5681.57 Treasurer of the United States, c/o U.S. Mint Executive Officer, DMA, 224 New Customhouse, Denver 2, Colorado						284.08 791 86
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						5587 49

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, August 16, 1954

Purchased From Chief Consolidated Mining Company

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

SP: Eureka, Utah

Ore Crude Lot No. 48-CMS-DMA-Prod Gold License No.

Sampled by McVale Received 8-2-54 Sampled 8-6-54 Assayed 8-7-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.015	8.50	-	11.2			11.4		.63	.20
B & I	.020	8.50	.20	11.7			12.6		.60	.10
Umpire				11.5			12.2			
Non-Sulphide				.62			.15		.62	.15
Settlement Assay	.0175	8.50	.10	10.88	34.3	5.6	12.05	10.6	8.4	

CAR NOS.	WET WEIGHT
UP 64537	112300
UP 64251	109820
UP 64171	107260
UP 62156	121620
UP 64903	105260
Total Wet Weight	
Sacks	
Net Weight	556260
Less H_2O 1.5 %	8344

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70 % @ 90.0	5	36
Copper		
Lead	18	53
Zinc	8	70
Gross Value	32	98
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	547916	Payment for	273.958 tons @	29.53	per ton	8089.98
Freight advanced @	$1.94	per ton			539.57	
Federal Tax 3 %					16.19	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $7527.22 Treasurer of the United States, c/o U.M.Ming Executive Officer, UMA, 224 New Customhouse, Denver 2, Colorado					376.36	939 12
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						7150 86

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, August 16, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Boody Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Cruce Lot No. 49-CHE-[illegible]-Prod Gold License No.

Sampled by Elevle Received 8-4-54 Sampled 8-7-54 Assayed 8-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.015	8.80	.05	9.6			10.4		1.13	.17
D & T	.025	8.70	.20	10.2			10.9		1.40	.15
C & S Umpire				9.70			10.65 av.			
Non-Sulphide				1.27			.16		1.27	.16
Settlement Assay	.020	8.75	.13	8.43	38.2	5.6	10.49	9.7	8.6	

CAR NOS.	WET WEIGHT
UP 65442	112800
UP 65455	103180
UP 62672	108520
UP 66706	104[illegible]0
UP 65493	104500
Total Wet Weight	
Sacks	
Net Weight	539220
Less H_2O 1.9 %	10246

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70 % @ 90.0	5	51
Copper (		
Lead (	16	22
Zinc	7	42
Gross Value	27	60
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 520974 Payment for 264.487 tons @ 24 15 per ton 6387.36

Freight advanced @ $1.71 per ton	461.03		
Federal Tax 3%	19.13		
Assay Charges	7.00		
~~Sampling or Washing Charges~~ Umpire Charge	4.00		
Hauling Charges			
Royalty 5% or $591.50 Treasurer of the United States, c/o U.M.King Executive Officer, M 34, 224 Sou Customhouse, Denver 2, Colorado	295.08	780	94
Amount Withheld Pending Receipt of Silver Affidavit			
Net Payment		5606	42

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, August 16, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 170 (FB) Gold License No.

Sampled by [illegible] Received 8-4-54 Sampled 8-7-54 Assayed 8-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CARBONATE
U. S. S. R. & M. Co.	.02	5.40	-	5.50			7.5		.27	.21
D & D	.02	5.30	.20	6.00			8.0		.40	.10
D & D Umpire				5.90			7.75 av			
Non-Sulphide				.34			.16		.34	.16
Settlement Assay	.02	5.35	.10	5.56	32.2	4.3	7.59	7.0	13.6	

CAR NOS.	WET WEIGHT
UP 62465	115820
UP 66237	105680
UP 63656	105180
Total Wet Weight	
Sacks	
Net Weight	326680
Less H_2O 1.7 %	5554

METAL VALUE		
Gold 100% @ 22.4613		45
Silver 70 % @ 90.0	3	37
Copper		
Lead	8	79
Zinc	5	10
Gross Value	17	77
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	321126	Payment for	160.563	tons @	14 32	per ton	2299.26
Freight advanced @	1.40	per ton				228.68	
Federal Tax 3%						6.86	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5 % of $2056.72 Treasurer of the United States, c/o N.L. Ing Executive Officer, [illegible], 204 New Customhouse, Denver 2, Colorado						102.84	365 38
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1933 88

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, August 16, 1954

Purchased From Chief Consolidated Mining Company

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

Sh: Eureka, Utah

Ore Crude Lot No. 171 CU-1 Gold License No.

Sampled by Nicvale Received 8-6-54 Sampled 8-7-54 Assayed 8-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaMgO
U. S. S. R. & M. Co.	.02	15.5	.05	13.90			8.4			.20 .17
E & D	.03	15.8	.20	14.30			8.8			.20 .10
Union Umpire				14.4			8.6			
Non-Sulphide				.2			.14			.20 .14
Settlement Assay	.025	15.65	.13	14.1	31.8	5.5	8.46	10.2	9.9	

CAR NOS.	WET WEIGHT
NG 72605	
Total Wet Weight	
Sacks	
Net Weight	183480
Less H_2O 1.4 %	2568

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 85 % @ 90.0	11	27
Copper (		
Lead (	23	96
Zinc	5	82
Gross Value	41	63
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 180912 Payment for 90.456 tons @ 38 18 per ton 3453.61

Freight advanced @ $2.27 per ton	208.25		
Federal Tax 3%	6.25		
Assay Charges	7.00		
Sampling or Watching Charges			
Hauling Charges			
Royalty 5% of $3232.11 Treasurer of the United States, c/o U.S. Bureau Executive Officer, MEA, 224 New Customhouse Denver, 2 Colorado	161.61	383	11
Amount Withheld Pending Receipt of Silver Affidavit			
Net Payment		3070	50

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

224 New Customhouse
Denver 2, Colorado

August 17, 1954

Greenwald
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company
Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Numbers 167-GPU and 169-GPU by Chief Consolidated Mining Company to United States Smelting Refining and Mining Company.

Also enclosed is check in the amount of $281.67 in payment of royalties on these shipments as follows:

167-GPU	$179.47
169-GPU	102.20
	$281.67

W. H. King

W. H. King

Enclosures

mn

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.P. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, August 12, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 169-OFU Gold License No.

Sampled by Hidvale Received 8-2-54 Sampled 8-6-54 Assayed 8-7-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.025	10.6	-	9.70			8.20			.20 .21
B & D	.030	10.70	.20	9.90			8.30			.20 .15
Umpire				9.80 avg.			8.25 avg.			
Non-Sulphide				.20			.18			.20 .18
Settlement Assay	.0275	10.65	.10	9.60	37.10	5.9	8.07	9.2	9.7	

CAR NOS.	WET WEIGHT
RC 71242	
Total Wet Weight	
Sacks	
Net Weight	171540
Less H_2O 2.9 %	4974

METAL VALUE		
Gold 100% @ 22.4643		62
Silver 80 % @ 90.0	7	67
Copper		
Lead	16	07
Zinc	5	53
Gross Value	29	89
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 166566	Payment for 83.283	tons @	26 44	per ton		2202	.00
Freight advanced @ 61.71	per ton				146.67		
Federal Tax 3%					4.40		
Assay Charges					7.00		
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $2043.93 Treasurer of the United States c/o W.H.King Executive Officer, UMA, 224 Post Custerhouse, Denver 2, Colorado					102.20	260	27
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						1941	73

W0

FORM C.D. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, August 12, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 167-CEU Gold License No.

Sampled by Nicola Received 7-30-54 Sampled 8-4-54 Assayed 8-5-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Ox.Pb Ox.Zn
U. S. S. R. & M. Co.	.013	3.90	–	6.40			8.2			.40 .23
B & E	.020	4.00	.20	7.10			8.6			.15 .25
G & W Umpire		3.78		6.40			8.4 avg.			
Non-Sulphide				.28			.24			.28 .24
Settlement Assay	.0165	3.90	.10	6.12	28.0	4.5	8.16	7.6	14.3	

CAR NOS.	WET WEIGHT
UP 64330	103300
UP 65615	110320
UP 64536	112300
UP 64710	119400
UP 60128	112900
Total Wet Weight	
Sacks	
Net Weight	558220
Less H_2O 1.2 %	6696

METAL VALUE		
Gold 100% @ 22.4643		37
Silver 65% @ 90.0	2	28
Copper		
Lead	9	73
Zinc	5	60
Gross Value	17	98
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	551522	Payment for	275.761	tons @	14 53	per ton	4006.01
Freight advanced @	$1.40	per ton				390.75	
Federal Tax 3%						11.72	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						8.00	
Hauling Charges							
Royalty 5% of $3589.34 Treasurer of the United States, c/o U.S.Sing Executive Officer, MPA, 224 Gov Customhouse, Denver 2, Colorado						179.47	596 94
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3409 87

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

224 New Customhouse
Denver 2, Colorado

August 11, 1954

~~Hamilton~~
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 168-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $114.06 in payment of royalty on this shipment.

W H King
W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

August 11, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 168-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $114.06 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, August 9, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Tooele Building, Salt Lake City, Utah

[illegible], Utah

Ore Crude Lot No. 106 [illegible] Gold License No.

Sampled by [illegible] Received 7-27-54 Sampled 7-22-54 Assayed 8-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.02	9.90	-	11.30			7.0			.70 .7
[illegible]	.02	10.10	.20	11.30			7.4			.20 .15
[illegible] Umpire		10.18		11.30	ave.		7.0 ave.			
Non-Sulphide				.20			.10			.10 .10
Settlement Assay	.02	10.10	.10	11.10	3.6	5.6	7.43	9.0	9.8	

CAR NOS.	WET WEIGHT
NC 73611	
Total Wet Weight	
Sacks	
Net Weight	175700
Less H_2O 1.4 %	2460

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 80 % @ 90.0	7	27
Copper		
Lead	15	00
Zinc	5	04
Gross Value	31	64
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 173320	Payment for 86.660	tons @	70	19	per ton	2467.55
Freight advanced @ 1.71	per ton				150.20	
Federal Tax 3%					4.51	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of 2271.15 Treasurer of the United States, c/o U.S. Mint					114.06	275 86
Executive Officer, MRA, 224 New Customhouse, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						2167 09

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

224 New Customhouse
Denver 2, Colorado

August 9, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 45-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $344.82 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, AUGUST 5, 1954

Purchased From CHIEF CONSOLIDATED MINING COMPANY

Pay CHIEF CONSOLIDATED MINING COMPANY, 608 ECCLES BUILDING, SALT LAKE CITY, UTAH
ST. EUREKA, UTAH

Ore CRUDE Lot No. 45-CPUS-INT.-Prod. Gold License No.

Sampled by DIVALE Received 7-26-54 Sampled 7-31-54 Assayed 8-2-54

Metal Quotations—Gold 34.9125 Silver 90.00 Copper, N. Y. and Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Mgh Ox	
U. S. S. R. & M. Co.	.02	7.90	—	9.4			11.8			.40	.23
B & D	.02	8.00	.20	9.2			11.8			.60	.15
Umpire				9.3 Avg.			11.8 Avg.				
Non-Sulphide				.5			.19			.50	.19
Settlement Assay	.02	7.95	.10	8.8	34.0	6.5	11.61	10.8	8.1		

CAR NOS.	WET WEIGHT
BG 72339	160240
UP 60047	114920
UP 63330	107760
UP 62232	114480
UP 63619	107400
Total Wet Weight	
Sacks	
Net Weight	604800
Less H_2O 1.6 %	9676

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70 % @ 90.0	5	01
Copper }		
Lead }	14	64
Zinc	8	34
Gross Value	28	44
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	505124	Payment for	297.562	tons @	24	99	per ton 7436.07
Freight advanced @	$1.71	per ton					517.10
Federal Tax 3%							15.51
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $6896.46							344.82
Treasurer of the United States,							
c/o E. E. King, Executive Officer USEA,							
224 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							6551 64

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

224 New Customhouse
Denver 2, Colorado

August 9, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 166-GPU, 43-GPUS-DMPA, and 44-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $791.16 in payment of royalty on the above-shipments as follows:

Lot No.	166-GPU	$162.15
	43-GPUS-DMPA	294.06
	44-GPUS-DMPA	334.95
		$791.16

W. H. King

Enclosures
es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

W. O.

706.

UNITED STATES SMELTING REFINING AND MINING COMPANY
NTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, [illegible] 4, 1954

Purchased From [illegible] COMPANY

Pay [illegible] COMPANY, 60[illegible] [illegible], [illegible] LAKE CITY, UTAH
[illegible], UTAH

Ore [illegible] *Lot No.* 13-[illegible]-[illegible]-Prod. *Gold License No.*

Sampled by [illegible] *Received* 7-27-54 *Sampled* 7-27-54 *Assayed* 7-28-54

Metal Quotations—Gold 34.9125 *Silver* 90.0 *Copper, N. Y.* [illegible] *Lead, N. Y.* 14.0 *Zinc* 11.0

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]	PER CENT [illegible]
U. S. S. R. & M. Co.	.015	7.9	—	8.6			10.6			.20	.20
[illegible]	.03	8.2	.20	9.2			10.6			.20	.20
[illegible] Umpire				8.7			10.7 Ave.				
Non-Sulphide				.2			.2			.20	.20
Settlement Assay	.0225	8.05	.10	8.6	41.7	6.3	10.5	10.2			

CAR NOS.	WET WEIGHT
UP 63270	99240
UP 65023	122560
UP 63554	109[illegible]0
UP 64302	102320
UP 64061	111520
Total Wet Weight	
Sacks	
Net Weight	545600
Less H_2O 1.6 %	8730

METAL VALUE		
Gold 100% @ $0.4643		51
Silver 70 % @ 90.0	5	07
Copper }		
Lead }	14	10
Zinc	7	43
Gross Value	27	19
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base [illegible]	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. c/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	536870	Payment for	268.435	tons @	23	74	per ton	6372.65
Freight advanced @ $1.71		per ton					466.49
~~Federal Tax 3%~~							13.99
Assay Charges							7.00
~~Sampling or Watching Charges~~ ~~[illegible]~~ ~~Umpire Charge~~							4.00
Hauling Charges							
~~Royalty 3% of $5881.17~~							~~204.06~~ 795.54
~~Treasurer of the United States,~~							
~~c/o [illegible] King, Executive Officer [illegible],~~							
~~224 New Customhouse, Denver 2, Colorado~~							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5557 11

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, AUGUST 4, 1954

Purchased From CHIEF CONSOLIDATED MINING COMPANY

Pay CHIEF CONSOLIDATED MINING COMPANY, 608 SCOTT BUILDING, SALT LAKE CITY, UTAH

SP: EUREKA, UTAH

Ore CHIEF Lot No. 4-[illegible]-54-FROM. Gold License No.

Sampled by [illegible] Received 7-26-54 Sampled 7-20-54 Assayed 7-29-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. and Lead, N. Y. 14.0 Zinc 11.0

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaPb	PER CENT [illegible]
U. S. S. R. & M. Co.	.02	7.9	—	9.7			11.0			.20	.20
D & D	.02	8.1	.2	10.1			11.4			.15	.15
D & U Umpire				9.6			11.2 Avg.				
Non-Sulphide				.18			.18			.10	.18
Settlement Assay	.02	8.0	.10	9.52	35.0	7.8	11.02	10.1	8.6		

CAR NOS.	WET WEIGHT
UP 64681	121940
UP 64127	108360
UP 65343	113740
UP 62090	107640
UP 60043	113100
Total Wet Weight	
Sacks	
Net Weight	567780
Less H_2O 1.6 %	9084

METAL VALUE		
Gold 100% @ 22.1643		45
Silver 70 % @ 90.0	5	04
Copper }		
Lead }	15	92
Zinc	7	85
Gross Value	29	26
Less Working Charge	3	45

WORKING CHARGE		
Treatment Ba[illegible]	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 558696	Payment for 279.348	tons @	25	81	per ton	7209.97
Freight advanced @ 81.71	per ton				455.15	
Federal Tax 3%					14.56	
Assay Charges					7.00	
[illegible] Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $6698.96					334.95	845 96
Treasurer of the United States,						
c/o U. S. Mint, Executive Officer MRA,						
224 Post Customhouse, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						6364 01

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, AUGUST 4, 1954

Purchased From CHIEF CONSOLIDATED MINING COMPANY

Pay CHIEF CONSOLIDATED MINING COMPANY, 608 DOLLY BUILDING, SALT LAKE CITY, UTAH

SP, MINERS, UTAH

Ore CRUB B Lot No. 166-CZU Gold License No.

Sampled by MITCALF Received 7-20-54 Sampled 7-20-54 Assayed 7-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. and Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.02	4.2	—	5.5			7.2			.20	.17
B & D	.02	4.3	.20	6.2			7.8			.15	.15
DATWILL Umpire				5.8			7.3				
Non-Sulphide				.18			.16			.18	.16
Settlement Assay	.02	4.25	.10	5.62	32.9	5.2	7.14	7.2	15.2		

CAR NOS.	WET WEIGHT
UP 65221	107770
UP 60181	106040
UP 62210	109060
UP 65213	107120
UP 64603	112700
Total Wet Weight	
Sacks	
Net Weight	542640
Less H_2O 1.1 %	5970

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70 % @ 90.0	2	68
Copper		
Lead	8	85
Zinc	4	83
Gross Value	16	81
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. c/o concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	531670	Payment for	268.335	tons @	13 36	per ton	3581.96
Freight advanced @	31.17	per ton				317.44	
Federal Tax 3%						9.52	
Assay Charges						7.00	
~~Sampling~~ ~~Washing~~ ~~Charge~~ ~~Depro~~ Charge						8.00	
Hauling Charges							
Royalty 5% of 3243.00						162.15	501 11
Treasurer of the United States,							
c/o H. E. King, Executive Officer DMA,							
204 New Quaterhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3080 85

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

224 New Customhouse
Denver 2, Colorado

August 2, 1954

Received
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 42-GPUE-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $289.76 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, JULY 30, 1954

Purchased From: GULF COLORADO MINING COMPANY

Pay: GULF COLORADO MINING COMPANY, 606 KOLY BUILDING, SALT LAKE CITY, UTAH
CP, MORENA, UTAH

Ore: COPPER Lot No. 42-GCM-LIM-Proc. Gold License No.

Sampled by: MOVAIB Received: 7-19-54 Sampled: 7-23-54 Assayed: 7-30-54

Metal Quotations—Gold: 34.9125 Silver: 90.00 Copper, N. Y.: [illegible] Lead, N. Y.: 14.00 Zinc: 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Calc.	PER CENT Calc.
U. S. S. R. & M. Co.	.02	7.50	—	8.30			11.20			.20	.20
D & P	.02	7.50	.20	8.00			11.40			.25	.30
G & P Umpire				8.40			11.30	[illegible]			
Non-Sulphide				.23			.25			.23	.25
Settlement Assay	.02	7.50	.10	8.17	43.0	7.50	11.05	10.4			

CAR NOS.	WET WEIGHT
UP 62233	111900
UP 63017	103440
UP 62988	110040
UP 66701	118420
UP 62065	108740
Total Wet Weight	
Sacks	
Net Weight	553360
Less H_2O 1.1 %	6086

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70 % @ 90.00	4	73
Copper		
Lead	23	39
Zinc	7	88
Gross Value	26	45
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Or. c/o concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	547254	Payment for	273.627	tons @	23 00	per ton	6293.42
Freight advanced @	21.71	per ton				473.11	
Federal Tax 3%						14.19	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Daybo Charge						4.00	
Hauling Charges							
Royalty 5% of $5795.12						289.76	700 06
Treasurer of the United States, c/o U. T. King, Executive Officer DMEA, 224 New Customhouse, Denver, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5608 36

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

224 New Customhouse
Denver 2, Colorado

August 2, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 40-GPUS-DMPA and 41-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining, and Mining Company.

Also enclosed is check in the amount of $535.17 in payment of royalty on the above shipments as follows:

Lot No.	0-GPUS-DMPA	$243.01
	41-GPUS-DMPA	292.16
		$535.17

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, JULY 29, 1954

Purchased From [illegible]

Pay [illegible]

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

Sampled by [illegible] *Received* 7-16-54 *Sampled* 7-19-54 *Assayed* 7-20-54

Metal Quotations—Gold 34.9125 *Silver* 90.0 *Copper, N. Y.* [illegible] *Lead, N. Y.* 14.00 *Zinc* 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]	PER CENT [illegible]
U. S. S. R. & M. Co.	.02	7.90	—	7.20			10.90			.20	.23
D & P	.025	8.20	.20	7.70			11.20			.50	.10
C & P Umpire				7.20			11.05 Avg.				
Non-Sulphide				.35			.17			.35	.17
Settlement Assay	.025	8.05	.10	6.85	45.5	7.6	10.88	16.7	5.6		

CAR NOS.	WET WEIGHT
UP 65046	95180
UP 63067	109040
UP 63042	[illegible]
UP 63074	104060
UP 66240	103680
Total Wet Weight	
Sacks	
Net Weight	516380
Less H_2O 1.3 %	6712

METAL VALUE		
Gold 100% @ 20.4643		51
Silver 70 % @ 90.0	5	07
Copper		
Lead	11	03
Zinc	7	74
Gross Value	24	35
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base ~~[illegible]~~	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. s/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	500648	Payment for	254.634	tons @	20	90	per ton	5326.03
Freight advanced @	$1.71	per ton					
~~Federal Tax 3%~~						441.50	
Assay Charges						13.25	
~~Sampling~~ ~~Weighing Charges~~ ~~Umpire Charge~~						7.00	
Hauling Charges						4.00	
~~Royalty 5% of $4460.28~~						223.01	702.76
~~Treasurer of the United States, c/o U. S. Bing,~~							
~~Executive Officer DSL, 224 New Customhouse, Denver 2, Colorado~~							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4637 27

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, JULY 29, 1954

Purchased From CHIEF CONSOLIDATED MINING COMPANY

Pay CHIEF CONSOLIDATED MINING COMPANY, 608 ZION BUILDING, SALT LAKE CITY, UTAH

SP: DELTA, UTAH

Ore CHIEF Lot No. 41-CHIE-1TA-Prof Gold License No.

Sampled by [illegible] Received 7-17-54 Sampled 7-20-54 Assayed 7-21-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. [illegible] Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orig. Orig.
U. S. S. R. & M. Co.	.005	7.90	--	7.90			11.00			.20 .20
B & B	.005	7.70	.20	8.50			12.40			.25 .15
TAGGART Umpire				8.10			12.15 Avg.			
Non-Sulphide				.23			.18			.23 .18
Settlement Assay	.005	7.80	.10	7.97	40.40	7.0	11.97	11.3	6.6	

CAR NOS.	WET WEIGHT
UP 63646	109560
UP 64702	113520
UP 64613	100540
UP 62136	90140
UP 62352	133900
Total Wet Weight	
Sacks	
Net Weight	547720
Less H_2O 1.5 %	8216

METAL VALUE		
Gold 100% @ 34.9125		56
Silver 70 % @ 90.0	4	91
Copper		
Lead	12	84
Zinc	8	63
Gross Value	26	94
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. a/c Concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	539504	Payment for	269.752	tons @	23 49	per ton	6336 47
Freight advanced @	1.71	per ton				460.30	
Federal Tax 3%						14.05	
Assay Charges						7.00	
~~Sampling or Weighing Charges~~ Umpire Charge						4.00	
Hauling Charges							
Royalty 5% of $5049.12						252.16	725 51
Treasurer of the United States, c/o [illegible], Executive Officer, [illegible], 204 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5550 96

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

224 New Customhouse
Denver 2, Colorado

July 30, 1954

Answered
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 39-GPUS-DMPA, 164-GPU, and 165-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $730.03 in payment of royalty on the above shipments as follows:

Lot No.	39-GPUS DMPA	$ 305.39
	164-GPU	217.08
	165-GPU	207.56
		$730.03

W H King
W. H. King

Enclosures

es

cc: Royalty File E4
Se c. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlmment sheets
Chron.

FORM NO. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, JULY 27, 1951

Purchased From CHIEF CONSOLIDATED MINING COMPANY

Pay CHIEF CONSOLIDATED MINING COMPANY, 600 HOLY SUPREME, SALT LAKE CITY, UTAH
ST. JOHN, UTAH

Ore CHUB Lot No. 39-CHU-TMA-Prod. Gold License No.

Sampled by [illegible] Received 7-13-51 Sampled 7-15-51 Assayed 7-16-51

Metal Quotations—Gold 34.5125 Silver 90.0 Copper, N. Y. and Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]	PER CENT [illegible]
U. S. S. R. & M. Co.	.07	8.60	—	8.0			11.20			.20	.22
B & D	.025	8.90	.20	8.7			11.30			.20	.20
[illegible] & M Umpire				8.5			11.25 Avg.				
Non-Sulphide				.2			.21			.20	.21
Settlement Assay	.025	8.75	.10	8.3	41.4	6.5	11.04	10.2	6.8		

CAR NOS.	WET WEIGHT
UP 66716	104800
UP 64493	111040
UP 65707	108020
PC 16131	135400
UP 62582	108500
Total Wet Weight	
Sacks	
Net Weight	558440
Less H_2O 1.7 %	9494

METAL VALUE		
Gold 100% @ 22.1643		51
Silver 70% @ 90.0	5	51
Copper }		
Lead }	13	63
Zinc	7	87
Gross Value	27	52
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base ~~[illegible]~~	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	548046	Payment for 274.023	tons @	24 07	per ton	6600.57
Freight advanced @	91.72	per ton			477.47	
Federal Tax 3%					14.32	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $6107.76					305.39	806.18
Treasurer of the United States, c/o [illegible] King,						
Executive Officer USA, 224 Par Customhouse,						
Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						5802.39

C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, JULY 27, 1954

Purchased From CHIEF CONSOLIDATED MINING COMPANY

Pay CHIEF CONSOLIDATED MINING COMPANY, COD CHIEF DUPLEXED, SALT LAKE CITY, UTAH
ELY, NEVADA, UTAH

Ore CRUDE Lot No. 164-CFO Gold License No.

Sampled by MINERS Received 7-12-54 Sampled 7-15-54 Assayed 7-16-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. end Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Zn
U. S. S. R. & M. Co.	.02	5.10	-	6.60			8.30			.20	.20
B & D	.02	5.30	.20	7.20			8.00			.20	.10
UNION Umpire				6.70			8.45 Ave.				
Non-Sulphide				.20			.15			.20	.15
Settlement Assay	.02	5.20	.10	6.50	30.0	5.3	8.30	7.7	12.90		

CAR NOS.	WET WEIGHT
UP 65402	102080
UP 66634	103240
UP 62171	109400
RC 46465	127520
UP 70265	154440
Total Wet Weight	
Sacks	
Net Weight	596680
Less H_2O 1.0 %	5966

METAL VALUE		
Gold 100% @ 22.6613		45
Silver 70 % @ 90.0	3	20
Copper		
Lead	10	30
Zinc	5	70
Gross Value	10	81
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. c/o Concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 590714 Payment for 295.357 tons @ 16 36 per ton 4832.04

Freight advanced @ $1.56 per ton	465.42		
Federal Tax 3%	13.96		
Assay Charges	7.00		
Sampling or Watching Charges	4.00		
~~Hauling Charges~~ Umpire Charge			
Royalty 5% of $4341.67	217.08	707	65
Treasurer of the United States, c/o U. S. Mint, Executive Officer SMA, 224 New Customhouse Denver 2, Colorado			
Amount Withheld Pending Receipt of Silver Affidavit			
Net Payment		4124	59

M C.O. 77-2

906

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, JULY 27, 1954

Purchased From CHIEF CONSOLIDATED MINING COMPANY

Pay CHIEF CONSOLIDATED MINING COMPANY, 608 [illegible] BUILDING, SALT LAKE CITY, UTAH

[illegible], UTAH

Ore [illegible] Lot No. 165-CTC Gold License No.

Sampled by PRIVATE Received 7-16-54 Sampled 7-19-54 Assayed 7-20-54

Metal Quotations—Gold 34.[illegible]325 Silver 90.00 Copper, N. Y. [illegible] Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oz. b Oz.
U. S. S. R. & M. Co.	.02	3.30	-	5.50			8.90			.20 .28
B & P	.02	3.30	.20	5.70			9.20			.15 .20
Umpire				5.60 Avg.			9.05 Avg.			
Non-Sulphide				.18			.24			.18 .24
Settlement Assay	.02	3.20	.10	5.42	33.7	6.9	8.01	9.4	11.2	

CAR NOS.	WET WEIGHT
~~UP 66361~~	~~112540~~
~~UP 70229~~	~~159040~~
~~UP 46299~~	~~150800~~
~~UP 71994~~	~~154720~~
~~UP 66467~~	~~110920~~
Total Wet Weight	
Sacks	
Net Weight	682080
Less H_2O 1.4 %	9634

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 65 % @ 90.0	1	87
Copper }		
Lead }	8	51
Zinc	6	10
Gross Value	16	93
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base ~~30% Pb~~	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Cr. a/c Concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 678446	Payment for 339.223	tons @	13	48	per ton	4572	73
Freight advanced @ 21.17	per ton				402.53		
~~Federal Tax 3%~~					12.08		
Assay Charges					7.00		
Sampling or Watching Charges							
Hauling Charges							
~~Royalty-5% of 4151.12~~					207.56	626	17
~~Treasurer of the United States, c/o M. E. King,~~							
~~Executive Officer MMA, 224 New Customhouse,~~							
~~Denver 2, Colorado~~							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						3945	56

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

224 New Customhouse
Denver 2, Colorado

July 26, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4.

Enclosed is settlement sheet covering ore shipped under Lot No. 38-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $220.85 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 7772

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 21, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Tooly Building, Salt Lake City, Utah

Ophir, Utah

Ore Crude Lot No. 38-C-15-[illegible]-Prod Gold License No.

Sampled by Hector Received 7-12-54 Sampled 7-14-54 Assayed 7-15-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.015	7.20	-	6.50			10.1			.20 .20
[illegible]	.020	7.50	.20	7.10			10.3			.20 .10
C & [illegible] Umpire				6.80			10.2 avg.			
Non-Sulphide				.20			.15			.20 .15
Settlement Assay	.0175	7.35	.10	6.60	45.5	6.7	10.05	9.3	6.7	

CAR NOS.	WET WEIGHT
UP 66676	9920
UP 66214	10080
UP 60057	10650
UP 62806	9720
UP 60019	111120
Total Wet Weight	
Sacks	
Net Weight	517000
Less H_2O 1.6 %	8270

METAL VALUE		
Gold 100% @ 22.1643		32
Silver 70 % @ 90.0	4	63
Copper (		
Lead (	10	55
Zinc	7	07
Gross Value	22	64
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c correction		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	508728	Payment for	254.364	tons @ 19 19	per ton	4861.25
Freight advanced @	1.71	per ton			442.04	
Federal Tax 3%					13.26	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charges					2.00	
Hauling Charges						
Royalty 5% of $4416.95 Treasurer of the United States, c/o U.S. Bldg Executive Officer, RFA, 224 Rio Grande Bldg, Denver 2, Colorado					220.85	685 15
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						4196 10

224 New Customhouse
Denver 2, Colorado

July 21, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 37-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $108.82 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2 ®

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 19, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah

SP: Eureka, Utah

Ore Crude *Lot No.* 37-GPUE-DLPA-Prod *Gold License No.*

Sampled by Mikvale *Received* 7-3-54 *Sampled* 7-10-54 *Assayed* 7-12-54

Metal Quotations—Gold 34.9125 *Silver* 90.0 *Copper, N. Y.* *Lead, N. Y.* 14.00 *Zinc* 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT xPbOxZn
U. S. S. R. & M. Co.	.02	8.30	-	5.70			8.90			.20 .20
D & D	.025	8.50	.20	6.20			9.00			.15 .15
Union Umpire				6.10			8.95 avg.			
Non-Sulphide				.18			.18			.18 .18
Settlement Assay	.0225	8.40	.10	5.92	48.8	7.2	8.77	9.3	6.2	

CAR NOS.	WET WEIGHT
UP 63995	95660
UP 64060	95400
UP 66097	86800
Total Wet Weight	
Sacks	
Net Weight	277860
Less H_2O 1.7 %	4724

METAL VALUE			
Gold 100% @	22.4643		51
Silver 70% @	90.0	5	29
Copper	(		
Lead	(	9	37
Zinc		6	06
Gross Value		21	23
Less Working Charge		3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	273136	Payment for	136.568	tons @	17	78	per ton 2428.18
Freight advanced @	$1.71	per ton					237.57
Federal Tax 3%							7.13
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $2176.48 Treasurer of the United States, c/o W.H.King, Executive Officer, UTM, 224 New Custorhouse, Denver 2, Colorado							108.82 360 52
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2067 66

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

224 New Customhouse
Denver 2, Colorado

July 19, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 35-GPUS-DMPA, 36-GPUS-DMPA, 162-GPU, and 163-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $1021.87 in payment of royalty on the above shipments as follows:

35-GPUS-DMPA	$290.56
36-GPUS-DMPA	229.13
162-GPU	267.08
163-GPU	235.10
	$1021.87

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Boyly Building, Salt Lake City, Utah
Mt. Aurelia, Utah

Ore Crude Lot No. 35-GRS-MPA-Prod Gold License No.

Sampled by Michelo Received 7-2-54 Sampled 7-9-54 Assayed 7-10-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orthoxon
U. S. S. R. & M. Co.	.025	8.10	tr	7.10			11.60			.23 .22
E & J	.025	8.30	.10	7.20			12.00			.30 .15
Umpire				7.15 avg.			11.90 avg.			
Non-Sulphide				.27			.19			.27 .19
Settlement Assay	.025	8.20	.10	6.88	48.6	6.9	11.71	11.10	4.50	

CAR NOS.	WET WEIGHT
BG 47166	139900
BG 46761	116340
UP 63015	111040
UP 63927	107640
UP 64447	113040
Total Wet Weight	
Sacks	
Net Weight	587960
Less H_2O 1.0 %	5880

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70 % @ 90.0	5	37
Copper		
Lead	11	07
Zinc	8	42
Gross Value	25	22
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	582080	Payment for	291.040	tons @	21	77	per ton 6335.94
Freight advanced @	2.71	per ton					502.71
Federal Tax 3%							15.00
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $5811.15, Treasurer of the United States, c/o U.S. Mint Executive Officer, DMA, 224 Van Customhouse, Denver 2, Colorado							290.56 815 35
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5520 50

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Deseret Building, Salt Lake City, Utah

Eureka, Utah

Ore Crude Lot No. 36-CHC-TDA-Prod Gold License No.

Sampled by Wheale Received 7-7-54 Sampled 7-8-54 Assayed 7-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Cd/Zn
U. S. S. R. & M. Co.	.023	7.90	tr	6.90			10.90			.20 .20
B & D	.025	8.10	.20	7.30			10.80			.20 .15
C & D Umpire				6.80			10.65 avg.			
Non-Sulphide				.20			.18			.20 .18
Settlement Assay	.024	8.00	.10	6.70	50.2	6.8	10.67	10.40	4.8	

CAR NOS.	WET WEIGHT
UP 63552	104600
UP 66047	113760
UP 62788	92540
UP 62680	88620
UP 62085	96680
Total Wet Weight	
Sacks	
Net Weight	496200
Less H_2O 0.8 %	3970

METAL VALUE		
Gold 100% @ 22.1043		54
Silver 70 % @ 90.0	5	04
Copper		
Lead	10	74
Zinc	7	57
Gross Value	23	89
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	452230	Payment for	226.115 tons @	20 44	per ton	5030.59
Freight advanced @	61.71	per ton			424.25	
Federal Tax 3%					12.73	
Assay Charges					7.00	
Sampling or Watching Charges	Umpire Charge				4.00	
Hauling Charges						
Royalty 5% of $4582.61 Treasurer of the United States, c/o J. M. King Executive Officer, DMA, 224 Rar Customhouse, Denver 2, Colorado					229.13	677 11
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						4353 48

M C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Deely Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 162-GPC Gold License No.

Sampled by Miguel Received 7-2-54 Sampled 7-8-54 Assayed 7-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonates
U. S. S. R. & M. Co.	.02	6.2	tr	8.10			9.10			.20 .20
B & T	.03	6.6	.20	8.70			9.20			.15 .15
Barkwell Umpire				8.40			9.35 avg.			
Non-Sulphide				.18			.18			.18 .18
Settlement Assay	.025	6.4	.10	8.22	35.8	5.6	8.97	9.1	10.0	

CAR NOS.	WET WEIGHT
UP 64318	114140
UP 66791	114700
UP 64132	112720
UP 64462	114120
UP 66568	112340
Total Wet Weight	
Sacks	
Net Weight	568020
Less H_2O 1.1 %	6248

METAL VALUE		
Gold 100% @ 22.4613		56
Silver 70 % @ 90.0	4	03
Copper (		
Lead (	13	47
Zinc	6	22
Gross Value	24	28
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	561772	Payment for	280.886	tons @	20 83	per ton	5850.86
Freight advanced @	1.72	per ton				485.66	
Federal Tax 3%						14.57	
Assay Charges						7.00	
Sampling or Watching Charges		Depice Charge				2.00	
Hauling Charges							
Royalty 5% of $5341.63 Treasurer of the United States, c/o Building Executive Officer, WPA, 226 Dow Customhouse, Denver 2, Colorado						267.00	776 31
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5074 55

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
Ft Tuscon, Utah

Ore Crude Lot No. 163-GU Gold License No.

Sampled by Victoria Received 7-3-54 Sampled 7-8-54 Assayed 7-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orth Ozn
U. S. S. R. & M. Co.	.02	7.5	tr	7.0			8.30			.20 .20
E & I	.025	7.0	.20	7.3			8.50			.15 .15
Umpire				7.15 avg.			8.40 avg.			
Non-Sulphide				.18			.18			.18 .18
Settlement Assay	.0225	7.65	.10	6.97	34.4	4.8	8.22	8.10	11.7	

CAR NOS.	WET WEIGHT
UP 65934	121680
UP 66511	111780
UP 65845	107020
UP 66232	112060
UP 60089	108680
Total Wet Weight	
Sacks	
Net Weight	561220
Less H_2O 1.0 %	5612

METAL VALUE		
Gold 100% @22.4613		51
Silver 70 % @ 90.0	4	82
Copper		
Lead	11	21
Zinc	5	64
Gross Value	22	18
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	555008	Payment for	277.504	tons @ 18.73	per ton	5203.27
Freight advanced @	1.71	per ton			479.84	
Federal Tax 3%					14.40	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $4702.03 Treasurer of the United States, c/o W.E.King Executive Officer, M.M.A, 224 New Customhouse, Denver, 2 Colorado					235.10	236.34
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						4966.93

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

224 New Customhouse
Denver 2, Colorado

July 14, 1954

Approved
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 34-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $341.82 in payment of royalty on this shipment.

W H King
W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 12, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Eccles Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 34-CPM-[illegible]-Prod Gold License No.

Sampled by Mirvale Received 6-20-54 Sampled 7-2-54 Assayed 7-6-54

Metal Quotations—Gold 34.5125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.02	8.10	-	7.70			13.10		.20	.20
B & T	.025	8.30	.20	8.50			13.30		.20	.20
D & N Umpire				7.90			13.20 avr.			
Non-Sulphide				.20			.20		.20	.20
Settlement Assay	.0225	8.30	.10	7.70	45.0	6.8	13.00	12.1	5.0	

CAR NOS.	WET WEIGHT
UP 60183	96520
UP 65160	125560
UP 65153	107420
BG 45276	142020
BG 70093	148260
Total Wet Weight	
Sacks	
Net Weight	619780
Less H_2O 1.7 %	10536

METAL VALUE		
Gold 100% @ 22.664		51
Silver 70% @ 90.0	5	17
Copper (		
Lead (	12	53
Zinc	9	51
Gross Value	27	72
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 609244	Payment for 304.622	tons @	24 17	per ton	7393.18	
Freight advanced @ 1.71	per ton			529.91		
Federal Tax 3%				15.90		
Assay Charges				7.00		
~~Sampling or Watching Charges~~	Umpire Charge			4.00		
Hauling Charges						
Royalty 5% of $6836.37 Treasurer of the United States, c/o [illegible] Executive Officer, [illegible], 224 Post Office Building, Denver 2, Colorado				341.82	898	63
				Amount Withheld Pending Receipt of Silver Affidavit		
				Net Payment	6494	55

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

224 New Customhouse
Denver 2, Colorado

July 14, 1954

~~Amended~~
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 160 GPU, 161 GPU, and 33 GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $761.12 in payment of royalty on these shipments as follows:

Lot No.	160	GPU	92.59
	161	GPU	269.99
	33	GPUS-DMPA	418.54
			$761.12

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 9, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Cooly Building, Salt Lake City, Utah
Mt. Eureka, Utah

Ore Crude Lot No. 160 CHU Gold License No.

Sampled by Midwalo Received 6-26-54 Sampled 7-1-54 Assayed 7-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu Pb Cu Zn
U. S. S. R. & M. Co.	.02	4.30	-	5.00			7.0			.20 .20
D & T	.02	4.50	.20	5.50			6.5			.10 .20
Hardwell Umpire				5.00			6.75 avg.			
Non-Sulphide				.15			.20			.15 .20
Settlement Assay	.02	4.40	.10	4.85	35.8	4.2	6.55	6.4	13.7	

CAR NOS.	WET WEIGHT
UP 66499	130740
UP 65234	110960
UP 63737	119140
UP 66569	113620
RG 45215	152540
Total Wet Weight	
Sacks	
Net Weight	635000
Less H_2O 1.7 %	10796

METAL VALUE		
Gold 100% @27.4643		45
Silver 70 % @ 90.0	2	77
Copper (		
Lead (	6	99
Zinc	4	39
Gross Value	14	60
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 624204	Payment for 312.102	tons @	11	15	per ton	3479.94
Freight advanced @ 1.17	per ton				371.45	
Federal Tax 3%					11.14	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 3% of 63086.32 Treasurer of the United States, c/o H.W.King Executive Officer, DMEA, 224 Post Quarterhouse, Denver 2, Colorado					92.59	486 21
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						2993 73

C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 9, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Durelm, Utah

Ore Crude Lot No. 161 CFU Gold License No.

Sampled by Widmale Received 6-26-54 Sampled 7-1-54 Assayed 7-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb OxZn
U. S. S. R. & M. Co.	.022	6.90	-	8.40			9.40			.20 .20
R & D	.020	7.00	.20	8.60			9.30			.10 .30
Umpire				8.50 avg.			9.35 avg.			
Non-Sulphide				.15			.25			.15 .25
Settlement Assay	.021	6.95	.10	8.35	37.5	5.2	9.10	8.7	10.0	

CAR NOS.	WET WEIGHT
UP 64061	108480
UP 62044	116420
UP 66267	107020
UP 63510	120000
UP 65735	111360
Total Wet Weight	
Sacks	
Net Weight	563280
Less H_2O 2.2 %	12392

METAL VALUE		
Gold 100% @ 22.4643		47
Silver 70% @ 90.0	4	38
Copper (		
Lead (	13	70
Zinc	6	33
Gross Value	24	88
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	550888	Payment for	275.444	tons @	21 43	per ton	5902.76
Freight advanced @	21.71	per ton				421.60	
Federal Tax 3%						14.45	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $5399.71 Treasurer of the United States, c/o U.H.King Executive Officer, MMA, 224 New Customhouse, Denver 2, Colorado						269.99	773 04
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5129 72

C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, July 9, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah

Sp: Eureka, Utah

Ore Crude Lot No 33-CPUC-MPA-Prod Gold License No.

Sampled by Midvale Received 6-25-54 Sampled 7-1-54 Assayed 7-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Ox Pb Ox Zn
U. S. S. R. & M. Co.	.025	8.70	-	8.50			15.5			.20 .22
B & D	.020	8.60	.20	8.60			15.5			.20 .30
Umpire				8.55 avg.			15.5 avg.			
Non-Sulphide				.20			.26			.20 .26
Settlement Assay	.0225	8.65	.10	8.35	38.3	6.80	15.24	13.3	5.9	

CAR NOS.	WET WEIGHT
EG 46746	124640
RG 72205	141600
RG 46807	120780
RG 70256	129260
RG 70460	145260
Total Wet Weight	
Sacks	
Net Weight	661540
Less H_2O 1.1 %	7276

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	5	45
Copper		
Lead	13	72
Zinc	11	40
Gross Value	31	08
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	654264	Payment for	327.132	tons @	27 63	per ton	9038.66
Freight advanced @	1.94	per ton				641.69	
Federal Tax 3%						19.25	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $8370.72 Treasurer of the United States, c/o V.H.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						418.54	1086 48
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							7952 18

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

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

224 New Customhouse
Denver 2, Colorado

July 1, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 30-GPUS-DMPA, 31-GPUS-DMPA, and 32-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $445.02 in payment of royalty on the above shipments as follows:

Lot No.	30-GPUS-DMPA	$123.08
	31-GPUS-DMPA	187.94
	32-GPUS-DMPA	134.00
		$445.02

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, June 28, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah
[illegible] Eureka, Utah

Ore Crude Lot No. 30-[illegible]-Fred Gold License No.

Sampled by Hicvelo Received 6-17-54 Sampled 6-30-54 Assayed 6-21-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.167 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.025	7.10	-	13.10			13.90			.77 .28
[illegible]	.040	7.20	.20	13.40			14.00			.30 .30
Barnhell Umpire				13.25 avg.			13.95 avg.			.80
Non-Sulphide				.77			.29			.77 .29
Settlement Assay	.0325	7.15	.10	13.48	22.0	5.20	13.66	12.2	10.5	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
[illegible] 72290		Gold 100% @ 22.4643		73	Treatment Base 30% Lead	3	95
		Silver 70% @ 90.0	4	50	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	21	58	Insoluble		
		Zinc	10	08	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	159320	Gross Value	36	89	Iron Credit		
Less H_2O 1.2 %	1912	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 157408	Payment for 78.704 tons @	33	44	per ton	2631.86	
Freight advanced @ 1.94 per ton				154.54		
Federal Tax 3%				4.64		
~~Assay Charges~~ Advance Insurance				3.00		
~~Sampling or Watching Charges~~ Federal Tax 3%				.09		
~~Hauling Charges~~ Assay Charge				7.00		
Umpire Charge				4.00		
Royalty 5% of $2461.68 Treasurer of the United States, c/o [illegible] King Executive Officer, [illegible], 224 New Custom house, Denver 2 Colorado				123.08	298	35
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					2335	51

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 28, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No 31-CMS-DRA-Prod Gold License No.

Sampled by Mixola Received 6-18-54 Sampled 6-21-54 Assayed 6-22-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.167 Zinc 11.000

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.02	10.0	-	10.10			11.0			.20 .22
D & D	.02	10.2	.20	10.50			11.3			.10 .30
Union Umpire				10.20			11.15 avg.			
Non-Sulphide				.15			.26			.15 .26
Settlement Assay	.02	10.1	.10	10.05	44.7	6.8	10.89	10.8	5.0	

CAR NOS.	WET WEIGHT
BC 73533	137540
BC 73294	141120
Total Wet Weight	
Sacks	
Net Weight	278660
Less H_2O 0.6 %	1672

METAL VALUE		
Gold 100% @ 34.4643		45
Silver 80 % @ 90.0	7	27
Copper (		
Lead (	17	21
Zinc	7	75
Gross Value	32	68
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 276988 Payment for 138.494 tons @ 29 23 per ton 4040.10

Freight advanced @ 1.94 per ton	270.30		
Federal Tax 3%	8.11		
Assay Charges	7.00		
~~Sampling or Watching Charges~~ Umpire Charge	4.00		
Hauling Charges			
Royalty 5% of $3758.77 Treasurer of the United States, c/o U.P.Ring Executive Officer, DRA, 224 New Customhouse, Denver 2, Colorado	187.94	477	35
Amount Withheld Pending Receipt of Silver Affidavit			
Net Payment		3570	83

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 28, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Boothy Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No 32-OPC-MPA-Prod Gold License No.

Sampled by Howle Received 6-18-54 Sampled 6-22-54 Assayed 6-23-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.167 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ~~OxPbSn~~
U. S. S. R. & M. Co.	.022	9.80	-	11.80			17.50			.53 .23
[illegible]	.020	10.00	.20	12.50			17.60			.40 .60
[illegible] Umpire		9.68		12.00			17.55 avg.			
Non-Sulphide				.47			.42			.47 .42
Settlement Assay	.021	9.80	.10	11.53	29.3	6.8	17.13	16.4	5.5	

CAR NOS.	WET WEIGHT
RC 70117	
Total Wet Weight	
Sacks	
Net Weight	160500
Less H_2O 1.0 %	1606

METAL VALUE		
Gold 100% @ 22.1643		47
Silver 70 % @ 90.0	6	17
Copper		
Lead	19	94
Zinc	12	81
Gross Value	39	39
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	158894	Payment for	79.447	tons @	35	94	per ton 2855.33
Freight advanced @	1.94	per ton					155.69
Federal Tax 3%							4.67
Assay Charges							7.00
~~Sampling or Watching Charges~~ ~~Umpire Charge~~							8.00
Hauling Charges							
Royalty 5% of $2679.97 Treasurer of the United States, c/o J. H. King Executive Officer, DMEA, 224 New Customhouse, Denver 5, Colorado							134.00 309 36
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2545 97

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

224 New Customhouse
Denver 2, Colorado

June 29, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 14, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 157-GPU, 158-GPU and 159-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed are checks in the amount of $182.95 in payment of royalty on 157-GPU, and $479.30 in payment of royalty on Lot No. 158-GPU ($196.73) and Lot No. 159-GPU ($282.57).

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
Mr. Eureka, Utah

Ore Crude Lot No. 157-[illegible] Gold License No.

Sampled by Pilvale Received 6-21-54 Sampled 6-17-54 Assayed 6-18-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.25 Zinc 10.992

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Sb
U. S. S. R. & M. Co.	.015	6.20	-	6.30			7.5			.53	.20
D. & T.	.020	6.70	.20	6.60			7.6			.50	.10
Umpire				6.45 avg.			7.55 avg.				
Non-Sulphide				.50			.15			.52	.15
Settlement Assay	.0175	6.45	.10	5.93	32.0	3.6	7.40	6.6	13.5		

CAR NOS.	WET WEIGHT
UP 60170	115300
UP 63267	99600
UP 65020	93120
UP 63165	112000
UP 63066	104300
Total Wet Weight	
Sacks	
Net Weight	524420
Less H_2O 1.9 %	9966

METAL VALUE		
Gold 100% @ 22.4642		39
Silver 70% @ 90.0	4	06
Copper (		
Lead (	9	70
Zinc	5	02
Gross Value	19	17
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	51,514	Payment for	257.257	tons @	15 72	per ton	4044.00
Freight advanced @	$1.40	per ton				367.14	
Federal Tax 3%						11.01	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of 33658.93 Treasurer of the United States, c/o U.S. Mine Executive Officer, [illegible], 224 Rio Grande Bldg, Denver 2, Colorado						102.95	568 10
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3475 98

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, June 25, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
Ft. Duchesne, Utah

Ore Cruce Lot No. 152-[illegible] Gold License No.

Sampled by [illegible] Received 6-17-54 Sampled 6-19-54 Assayed 6-21-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.167 Zinc 12.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.02	6.3	-	6.30			7.90			.37 .20
[illegible]	.02	6.5	.20	6.20			7.70			.15 .10
Umpire				6.25 avg.			7.80 avg.			
Non-Sulphide				.26			.15			.26 .15
Settlement Assay	.02	6.4	.10	5.99	30.9	3.7	7.65	6.90	14.10	

CAR NOS.	WET WEIGHT
UP 62021	112430
UP 66620	110400
UP 66173	116500
UP 65258	113120
UP 65448	108000
Total Wet Weight	
Sacks	
Net Weight	560500
Less H_2O 1.5 %	8408

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70% @ 90.0	4	03
Copper (		
Lead (	9	67
Zinc	5	21
Gross Value	19	36
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrate		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 552092	Payment for 276.046	tons @	15	91	per ton	4391.80
Freight advanced @ 1.56	per ton				437.10	
Federal Tax					13.12	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $3934.58 Treasurer of the United States, c/o U.S. Mint Executive Officer, FMA, 224 New Customhouse Building, Denver 2, Colorado					196.73	654 06
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3737 85

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

206

Salt Lake City, Utah, June 25, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 150 [illegible] Gold License No.

Sampled by [illegible] Received 6-17-54 Sampled 6-19-54 Assayed 6-21-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.107 Zinc 11.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.023	8.0	-	7.8			10.0			.37 .20
[illegible]	.020	8.3	.20	7.9			10.3			.15 .15
Umpire				7.85 avg.			10.15 avg.			
Non-Sulphide				.26			.10			.26 .18
Settlement Assay	.0215	8.15	.10	7.59	34.6	4.6	9.97	8.7	11.0	

CAR NOS.	WET WEIGHT
UP 64382	111920
UP 65207	115640
UP 65890	111420
UP 63722	119480
UP 63300	110160
Total Wet Weight	
Sacks	
Net Weight	570620
Less H_2O 2.0 %	11592

METAL VALUE		
Gold 100% @ 22.4048		4
Silver 70 % @ 90.0	5	13
Copper		
Lead	12	55
Zinc	7	01
Gross Value	25	17
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	568028	Payment for	284.014 tons @	21.72 per ton	6168.78
Freight advanced @	1.71	per ton		485.56	
Federal Tax 3 %				14.67	
Assay Charges				7.00	
Sampling or Watching Charges					
Hauling Charges					
Royalty 5% of $5651.33 Treasurer of the United States, c/o U.S. Mint Executive Officer, IRA, 224 New Customhouse Bldg. Denver 2, Colorado				282.57	800 00
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment					5366 76

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

Greenwald
Betty

224 New Customhouse
Denver 2, Colorado

June 24, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering shipment of ore under Lot No. 156-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $267.07 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM CIO. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, June 2?, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidat & Mining Company, 608 Tooly Building, Salt Lake City, Utah

Ore Crude — Lot No. 156-CPU — Gold License No.

Sampled by Nicols — Received 6-10-54 — Sampled 6-12-54 — Assayed 6-14-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.25 Zinc 10.900

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Pb/Zn
U. S. S. R. & M. Co.	.01	9.0	-	7.60			8.40			.57 .18
F & F	.02	9.4	.20	8.70			8.80			.50 .10
F & F Umpire				8.30			8.60 avg.			
Non-Sulphide				.54			.14			.54 .14
Settlement Assay	.015	9.2	.10	7.76	34.30	4.2	8.46	7.7	11.6	

CAR NOS.	WET WEIGHT
UP 66554	96940
UP 62351	102280
UP 66467	124840
UP 62959	111800
UP 63952	117960
Total Wet Weight	
Sacks	
Net Weight	553820
Less H_2O 2.2 %	12184

METAL VALUE		
Gold 100% @ 22.4643	34	
Silver 70 % @ 90.0	5	80
Copper (		
Lead (	13	04
Zinc	5	82
Gross Value	25	00
Less Working Charge	3	65

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		20
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	541636	Payment for	270.818	tons @	21 55	per ton	5836.13
Freight advanced @	$1.71	per ton				473.52	
Federal Tax 3%						14.21	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $5341.40 Treasurer of the United States, c/o U.S. Mint Executive Officer, WMA, 224 Post Customhouse, Denver 2, Colorado						267.07	761 80
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5074 33

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

Gwennie
Betty

224 New Customhouse
Denver 2, Colorado

June 24, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 18, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 29-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $98.57 in payment of royalty on this shipment.

W. H. King
W. H. King

Enclosures

es

cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

705

Salt Lake City, Utah, June 21, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 60C Dooly Building, Salt Lake City, Utah
Or: Eureka, Utah

Ore Crude Lot No. 29-CUK-UPA-Pro Gold License No.

Sampled by Midvale Received 6-9-54 Sampled 6-11-54 Assayed 6-12-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.05 Zinc 10.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orthocon
U. S. S. R. & M. Co.	.025	5.40	-	11.50			13.30			.80 .18
B. C. D.	.025	5.90	.20	12.20			13.70			.80 .10
Union Umpire				11.60			13.50 avg.			
Non-Sulphide				.80			.14			.80 .14
Settlement Assay	.025	5.65	.10	10.80	16.70	5.30	13.36	11.8	12.9	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RC 71523		Gold 100% @22.4643		56	Treatment Base 30% Lead	3	95
		Silver 70 % @ 90.0	3	56	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	18	48	Insoluble		
		Zinc	9	36	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concentration		50
Sacks					Total Debit	3	45
Net Weight	151120	Gross Value	31	06	Iron Credit		
Less H_2O 1.8 %	2720	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 148400	Payment for 74.200 tons @	28	51	per ton	2115.44
Freight advanced @ $1.71 per ton				129.21	
Federal Tax 3%				3.88	
Assay Charges				7.00	
Sampling or Watching Charges Umpire Charge				4.00	
Hauling Charges					
Royalty 5% of $1971.35 Treasurer of the United States, c/o R.H.King Executive Officer, DSA, 224 New Customhouse, Denver 2, Colorado				98.57	242 66
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment					1872 78

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

224 New Customhouse
Denver 2, Colorado

June 22, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. 14, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 28-GPUS-DMPA, 152 GPU and 155 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining, and Mining Company.

Also enclosed is check in the amount of $587.10 in payment of royalty on the above shipments as follows:

Lot No. 152-GPU	$316.37
155-GPU	193.37
28-GPUS-DMPA	77.36
	$587.10

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheest
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 18, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Kenly Building, Salt Lake City, Utah

Ore Crude Lot No. 28-CUS-DTA-Prod Gold License No.

Sampled by Hawle Received 6-5-54 Sampled 6-8-54 Assayed 6-10-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.05 Zinc 10.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Calcium
U. S. S. R. & M. Co.	.02	4.70		11.70			11.40			1.23 .23
D & L	.025	4.70	.20	11.70			12.20			1.50 .25
Union Umpire				11.70 avg.			11.75			
Non-Sulphide				1.37			.24			1.37 .24
Settlement Assay	.0225	4.70	.10	10.33	14.60	4.30	11.51	9.5	15.4	

CAR NOS.	WET WEIGHT
RC 47448	
Total Wet Weight	
Sacks	
Net Weight	132900
Less H_2O 1.6 %	2126

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70% @ 90.0	2	96
Copper (		
Lead (	17	72
Zinc	7	88
Gross Value	29	07
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	130774	Payment for	65.387	tons @ 25 62	per ton	1675.21
Freight advanced @	$1.71	per ton			113.63	
~~Federal Tax 3%~~					3.41	
Assay Charges					7.00	
Sampling or Watching Charges		~~Umpire Charge~~			4.00	
Hauling Charges						
~~Royalty 5% of $1547.17 Treasurer of the United States, c/o W.E.King Executive Officer, DTA, 224 Rio Customhouse, Denver 2, Colorado~~					77.36	205 40
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						1469 81

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 18, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 6[illegible] Dooly Building, Salt Lake City Utah
Or Eureka, Utah

Ore Crude Lot No. 152 C[illegible] Gold License No.

Sampled by Michele Received 6-5-54 Sampled 6-7-54 Assayed 6-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.05 Zinc 10.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.015	9.30	-	10.30			7.2			1.07 .25
B & D	.020	9.70	.20	10.80			7.5			.50 .15
T & W Umpire				10.40			7.35 avg.			.68
Non-Sulphide				.68			.20			.66 .20
Settlement Assay	.0175	9.50	.10	9.72	31.2	5.70	7.15	8.60	11.40	

CAR NOS.	WET WEIGHT
UP 65217	114920
UP 65681	111420
UP 66368	121800
UP 62237	106660
UP 64819	125080
Total Wet Weight	
Sacks	
Net Weight	579880
Less H_2O 1.9 %	11018

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	5	09
Copper		
Lead	16	53
Zinc	4	62
Gross Value	27	53
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	568862	Payment for	284.431	tons @	24 08	per ton	6849.10
Freight advanced @	1.71	per ton				495.80	
Federal Tax 3%						14.87	
Assay Charges						7.00	
Sampling or Watching Charges Umpire Charge						4.00	
Hauling Charges							
Royalty 5% of $6327.43 Treasurer of the United States, c/o W.H.King Executive Officer, U.S.M., 224 Post Customhouse, Denver 2, Colorado						316.37	630 06
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							6011 06

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 10, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Tooly Building, Salt Lake City, Utah
Or: Eureka, Utah

Ore Crude Lot No. 155-CPU Gold License No.

Sampled by McVale Received 6-8-54 Sampled 6-10-54 Assayed 6-11-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.05 Zinc 10.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxidization
U. S. S. R. & M. Co.	.02	5.6	-	6.80			8.40			.80 .25
B & T	.02	6.1	.20	7.10			8.60			.60 .25
Umpire				6.95 avg.			8.50 avg.			
Non-Sulphide				.70			.25			.70 .25
Settlement Assay	.02	5.85	.10	6.25	36.90	4.8	8.25	7.70	11.0	

CAR NOS.	WET WEIGHT
UP 60137	110400
UP 60141	102560
UT 66733	109520
UP 65192	123760
UP 65185	98280
Total Wet Weight	
Sacks	
Net Weight	544520
Less H_2O 2.3 %	12524

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70% @ 90.0	3	69
Copper (		
Lead (	10	11
Zinc	5	41
Gross Value	19	66
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	531906	Payment for	265.958	tons @	16 21	per ton	4311.83
Freight advanced @	1.56	per ton				424.73	
Federal Tax 3%						12.74	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3867.36 Treasurer of the United States c/o U.S. King Executive Officer, U.S.A., 224 New Customhouse, Denver 2, Colorado						193.37	637 84
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3673 99

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

224 New Customhouse
Denver 2, Colorado

June 16, 1954

Memorandum

To: E. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 153-GPU, 154-GPU, and 27 GPUS-DMPA-Prod by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $425.35 in payment of royalty on the above shipments as follows:

Lot No.	153-GPU	$240.25
	154-GPU	112.39
	27-GPUS-DMPA	72.71
		$425.35

W H King
W. H. King

Enclosures

es
cc: Royalty File E4
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

F.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, June 14, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 609 Booly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 153-GFU Gold License No.

Sampled by Mavelo Received 6-5-54 Sampled 6-5-54 Assayed 6-7-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.05 Zinc 10.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxid Carbn
U. S. S. R. & M. Co.	.015	7.90	-	7.4			7.9			.53 .23
B & T	.018	7.90	.20	8.1			8.2			.25 .15
Union Umpire				7.9			8.05 avg.			
Non-Sulphide				.39			.19			.39 .18
Settlement Assay	.0165	7.90	.10	7.51	35.4	5.3	7.86	8.0	10.4	

CAR NOS.	WET WEIGHT
~~UP 64143~~	~~114400~~
~~UP 63519~~	~~107140~~
~~UP 62754~~	~~108780~~
~~UP 63180~~	~~120980~~
~~UP 63078~~	~~107260~~
Total Wet Weight	
Sacks	
Net Weight	558560
Less H_2O 1.6 %	8936

METAL VALUE		
Gold 100% @ 22.4643		37
Silver 70 % @ 90.0	4	98
Copper (		
Lead	12	28
Zinc	5	12
Gross Value	22	75
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	549624	Payment for	274.812	tons @	19 30	per ton	5303.87
Freight advanced @	1.71	per ton				477.57	
~~Federal Tax 3%~~						14.33	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
~~Royalty 5% of $4804.97 Treasurer of the United States, c/o U.H.King Executive Officer, FNMA, 224 New Customhouse, Denver 2, Colorado~~						240.25	739 15
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4564 72

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 14, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
CC: Eureka, Utah

Ore Crude Lot No. 154 GPU Gold License No.

Sampled by Midvale Received 6-3-54 Sampled 6-7-54 Assayed 6-7-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.05 Zinc 10.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.015	7.10	-	6.0			6.60			.30	.23
B & D	.020	7.10	.20	6.6			6.50			.20	.10
D & N Umpire				6.2			6.55 avg.				
Non-Sulphide				.25			.17			.25	.17
Settlement Assay	.0175	7.10	.10	5.95	34.10	5.4	6.38	6.9	13.4		

CAR NOS.	WET WEIGHT
UP 66287	111300
UP 66451	103580
UP 65695	122660
Total Wet Weight	
Sacks	
Net Weight	337540
Less H_2O 0.9 %	3038

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70% @ 90.0	4	47
Copper (		
Lead (	9	48
Zinc	4	07
Gross Value	18	41
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	334502	Payment for	167.251	tons @	14 96	per ton	2502.07
Freight advanced @	$1.40	per ton				236.28	
Federal Tax 3%						7.09	
Assay Charges						7.00	
Sampling or Watching Charges	Umpire Charge					4.00	
Hauling Charges							
Royalty 5% of $2247.70 Treasurer of the United States, c/o W.H.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						112.39	366 76
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2135 31

FORM NO. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 14, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 27 GPUS-DMPA-Prod Gold License No.

Sampled by Midvale Received 5-31-54 Sampled 6-3-54 Assayed 6-5-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.275

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaO	PER CENT MgO
U. S. S. R. & M. Co.	.015	5.5	-	8.30			10.3			.50	.20
B & D	.020	5.5	.20	8.50			10.7			.30	.15
Umpire				8.40 avg.			10.5 avg.				
Non-Sulphide				.40			.18			.40	.18
Settlement Assay	.0175	5.5	.10	8.00	29.80	5.0	10.32	9.6	11.5		

CAR NOS.	WET WEIGHT
RG 73678	
Total Wet Weight	
Sacks	
Net Weight	158420
Less H_2O 0.6 %	950

METAL VALUE		
Gold 100% @ 22.4613		39
Silver 70 % @ 90.0	3	47
Copper		
Lead	13	12
Zinc	6	80
Gross Value	23	78
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	157470	Payment for	78.735	tons @	20 33	per ton	1600.68
Freight advanced @	$1.71	per ton				135.45	
Federal Tax 3%						4.06	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
~~Royalty 5% of $1454.17 Treasurer of the United States, c/o U.H.King~~						72.71	219 22
~~& Executive Officer, DMPA, 224 New Customhouse, Denver 2, Colorado~~							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1381 46

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

224 New Customhouse
Denver 2, Colorado

June 11, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 26-GPUS-DMPA and 151-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $374.58 in payment of royalty on the above shipments as follows:

Lot No.	151-GPU	$297.64
	26-GPUS-DMPA	76.94
		$374.58

W. H. King

Enclosures

es

cc: Royalty File
Sec. to Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 9, 1954

Purchased From Chief Consolidated Mining Company

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

AF: Eureka, Utah

Ore Crude Lot No. 26-CMS-ITPA-Prod Gold License No.

Sampled by McVale Received 5-27-54 Sampled 6-1-54 Assayed 6-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.275

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbon
U. S. S. R. & M. Co.	.02	8.40	-	8.20			12.8			.20 .20
B & D	.025	8.50	.20	8.60			13.4			.15 .10
B & D Umpire				8.40			13.1			
Non-Sulphide				.12			.15			.18 .15
Settlement Assay	.0225	8.45	.10	8.22	34.5	5.5	12.95	11.0	8.4	

CAR NOS.	WET WEIGHT
BC 73159	
Total Wet Weight	
Sacks	
Net Weight	137020
Less H_2O 1.2 %	1644

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	5	32
Copper		
Lead	13	47
Zinc	8	83
Gross Value	28	13
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	135376	Payment for	67.688	tons @	24 68	per ton	1670.54
Freight advanced @	$1.71	per ton				117.15	
Federal Tax 3%						3.51	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $1538.80 Treasurer of the United States, c/o U.S. Ring Executive Officer, ITPA, 224 New Custerhouse, Denver 2, Colorado						76.94	208 60
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1461 94

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 9, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Dooly Building, Salt Lake City, Utah
Ft. Eureka, Utah

Ore Crude Lot No. 151-C U Gold License No.

Sampled by Hilvale Received 5-29-54 Sampled 6-2-54 Assayed 6-3-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.275

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT PbCuZn
U. S. S. R. & M. Co.	.02	9.10	-	8.30			9.8			.53 .23
B & D	.02	9.30	.20	9.40			10.0			.25 .10
Barcvell Umpire				9.30			9.9 avg.			
Non-Sulphide				.39			.17			.39 .17
Settlement Assay	.02	9.20	.10	8.91	20.9	5.5	9.73	9.6	10.0	

CAR NOS.	WET WEIGHT
UP 63389	121620
UP 64735	104680
UP 64082	106480
UP 66080	110100
UP 60118	104820
Total Wet Weight	
Sacks	
Net Weight	547700
Less H_2O 1.9 %	10406

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70% @ 90.0	5	80
Copper		
Lead	14	82
Zinc	6	36
Gross Value	27	43
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	537294	Payment for	268.647	tons @	23 98	per ton	6442.16
Freight advanced @	1.71	per ton				468.28	
Federal Tax 3%						14.05	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $5952.83 Treasurer of the United States, c/o F. H. King Executive Officer, IVA, 224 New Customhouse, Denver 2, Colorado						297.64	706 97
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5655 19

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

224 New Customhouse
Denver 2, Colorado

June 10, 1954

Greenwold
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot No. 24-GPUS-DMPA and 150-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $286.68 in payment of royalty on these shipments as follows:

Lot No. 150 GPU	$194.28
24-GPUS-DMPA	92.40
	$286.68

W. H. King
W. H. King

Enclosures

es
cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, June 8, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Tooly Building, Salt Lake City, Utah
Ut; Eureka, Utah

Ore Crude Lot No. 24-CHS-EUA-Prod. Gold License No.

Sampled by Hawle Received 5-22-54 Sampled 5-25-54 Assayed 5-26-54

Metal Quotations—Gold 32.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaO	PER CENT MgO
U. S. S. R. & M. Co.	.02	7.4	-	11.10			16.0			.90	.17
B & P	.03	7.5	.20	11.00			16.3			.60	.15
Union Umpire				12.00			16.15 avg.				
Non-Sulphide				.75			.16			.75	.16
Settlement Assay	.025	7.45	.10	11.05	23.5	5.4	15.99	13.7	8.5		

CAR NOS.	WET WEIGHT
EG 47212	
Total Wet Weight	
Sacks	
Net Weight	127100
Less H_2O 1.8 %	2288

METAL VALUE		
Gold 100% @ 22.1643		56
Silver 70 % @ 90.0	4	69
Copper		
Lead	18	81
Zinc	11	15
Gross Value	35	21
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	124812	Payment for	62.406	tons @	31 76	per ton 1982.01
Freight advanced @	61.94	per ton				123.29
Federal Tax 3%						3.70
Assay Charges						7.00
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $1848.02 Treasurer of the United States, c/o H.H.King Executive Officer, DMA, 224 New Customhouse, Denver 2, Colorado						92.40
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						1755 62

FORM C.O. 77-2

UNITED STATES SMELTING, REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, June 8, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Crude Lot No. 150 CCP Gold License No.

Sampled by Midvale Received 5-27-54 Sampled 6-1-54 Assayed 6-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.275

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Ox Pb Ox Zn
U. S. S. R. & M. Co.	.02	7.10	-	6.90			9.30			.97 .40
R & D	.02	7.10	.20	7.50			9.40			1.10 .20
C & R Umpire				7.05			9.35 ave.			
Non-Sulphide				1.04			.30			1.04 .30
Settlement Assay	.02	7.10	.10	6.01	35.40	5.2	9.05	8.5	10.3	

CAR NOS.	WET WEIGHT
UP 64938	88900
UP 65097	115280
UP 63363	109640
UP 63008	107320
UP 62806	95140
Total Wet Weight	
Sacks	
Net Weight	516280
Less H_2O 2.1 %	10842

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70 % @ 90.0	4	47
Copper		
Lead	9	71
Zinc	5	88
Gross Value	20	51
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	505438	Payment for	252.719	tons @	17 06	per ton	4311.39
Freight advanced @	81.56	per ton				402.70	
~~Federal Tax 3%~~						12.08	
Assay Charges						7.00	
Sampling or Watching Charges		~~Umpire Charge~~				4.00	
Hauling Charges							
~~Royalty 5% of 83885.61 Treasurer of the United States, H.H.King, Executive Officer, IRS, 224 New Customhouse, Denver 2, Colorado~~						194.28	620 06
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3691 33

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

224 New Customhouse
Denver 2, Colorado

June 7, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 25-GPUS-DMPA, 148 GPU and 149-GPU by Chief Consolidated Mining Company to the United States, Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $521.46 in payment of royalty on these shipments as follows:

Lot No.	148-GPU	$220.00
	149-GPU	229.78
	25-GPUS-DMPA	71.68
		$521.46

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

June 7, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 25-GPUS-DMPA, 148 GPU and 149-GPU by Chief Consolidated Mining Company to the United States, Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $521.46 in payment of royalty on these shipments as follows:

Lot No.	148-GPU	$220.00
	149-GPU	229.78
	25-GPUS-DMPA	71.68
		$521.46

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 4, 1954

Purchased From Chief Consolidated Mining Company

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

SP: Eureka, Utah

Ore Crude Lot No. 25-GMUS-DMA-Prod Gold License No.

Sampled by Midvale Received 5-24-54 Sampled 5-26-54 Assayed 5-27-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaO/MgO
U. S. S. R. & M. Co.	.015	8.30	-	8.80			12.30			.53 .20
B & T	.020	8.50	.20	9.80			12.80			.15 .10
C & E Umpire				9.30			12.55 avr.			.25
Non-Sulphide				.25			.15			.25 .15
Settlement Assay	.0175	8.40	.10	9.05	36.30	5.6	12.40	11.30	7.60	

CAR NOS.	WET WEIGHT
IG 46751	
Total Wet Weight	
Sacks	
Net Weight	121820
Less H_2O 0.8 %	974

METAL VALUE		
Gold 100% @ 27.4643		39
Silver 70% @ 90.0	5	29
Copper (		
Lead (	15	04
Zinc	8	38
Gross Value	29	10
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 120846	Payment for 60.423	tons @	25.65	per ton	1549.85
Freight advanced @ 61.71	per ton			104.16	
Federal Tax 3%				3.12	
Assay Charges				7.00	
~~Sampling or Watching Charges~~ Umpire Charge				2.00	
Hauling Charges					
Royalty 5% of $1433.57 Treasurer of the United States, c/o W.H.King Executive Officer, DMA, 224 New Customhouse, Denver 2, Colorado				71.68	187 96
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment					1361 89

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 4, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Eccly Building, Salt Lake City, Utah
UP: Eureka, Utah

Ore Crude Lot No. 148 CPU Gold License No.

Sampled by Hidvale Received 5-24-54 Sampled 5-26-54 Assayed 5-27-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.022	7.10	-	7.20			9.70			.80 .23
B & D	.025	7.30	.20	7.80			10.00			.60 .10
T & H Umpire				7.60			9.85 ave.			
Non-Sulphide				.70			.17			.70 .17
Settlement Assay	.0235	7.20	.10	6.90	34.10	4.90	9.68	9.30	10.6	

CAR NOS.	WET WEIGHT
UP 60056	74620
UP 64810	117300
UP 63538	110900
UP 64301	104600
UP 62029	110880
Total Wet Weight	
Sacks	
Net Weight	518300
Less H_2O 1.9 %	9848

METAL VALUE		
Gold 100% @ 22.4643		53
Silver 70% @ 90.0	4	54
Copper (		
Lead (	11	20
Zinc	6	31
Gross Value	22	58
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	508452	Payment for 254.226 tons @	19	13	per ton	4863.34
Freight advanced @ $1.71		per ton			443.15	
Federal Tax 3%					13.29	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
~~Royalty 5% of $4399.90 Treasurer of the United States, c/o W.E.King Executive Officer, MSA, 224 New Customhouse, Denver 2, Colorado~~					220.00	683 44
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						4179 90

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, June 4, 1954

Purchased From Chief Consolidated Mining Company

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

Of: Eureka, Utah

Ore Crude Lot No. 149-CPU Gold License No.

Sampled by Vidovic Received 5-25-54 Sampled 5-27-54 Assayed 5-28-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.025	7.60	-	6.60			9.20			.50 .23
B & D	.020	7.70	.20	7.40			9.80			.20 .10
Union Umpire				6.70			9.20			
Non-Sulphide				.35			.17			.35 .17
Settlement Assay	.0225	7.65	.10	6.35	35.40	5.10	9.03	8.70	6.10	

CAR NOS.	WET WEIGHT
UP 64712	110320
UP 60061	134600
UP 63990	108920
UP 65812	116640
UP 62760	107600
Total Wet Weight	
Sacks	
Net Weight	578080
Less H_2O 1.8 %	10406

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70% @ 90.0	4	82
Copper (		
Lead (	10	16
Zinc	5	84
Gross Value	21	33
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	567674	Payment for	283.837	tons @	17 88	per ton	5075.01
Freight advanced @	61.56	per ton				450.90	
Federal Tax 3%						13.53	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						8.00	
Hauling Charges							
Royalty 5% of $4595.58 Treasurer of the United States, c/o W.E.King Executive Officer, DPA, 224 New Customhouse, Denver 2, Colorado						229.78	709 21
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4365 80

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

Defense Minerals Exploration Adm.
JUN 4 1954

224 New Customhouse
Denver 2, Colorado

June 1, 1954

Brownell
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 23-GPUS-DMPA, and 22-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $188.52 in payment of royalty on these shipments as follows:

Lot No.	22-GPUS-DMPA	$101.44
	23-GPUS-DMPA	87.08
		$188.52

W. H. King
W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

Department of the Interior
Defense Minerals Administration
JUN 4 1954

224 New Customhouse
Denver 2, Colorado

June 1, 1954

Memorandum

To: R. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 23-GPUS-DMPA, and 22-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $188.52 in payment of royalty on these shipments as follows:

Lot No.	22-GPUS-DMPA	$101.44
	23-GPUS-DMPA	87.08
		$188.52

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, May 28, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
SP: Durako, Utah

Ore Crude Lot No. 22-GFUS-MPA-Prod Gold License No.

Sampled by Midvale Received 5-19-54 Sampled 5-21-54 Assayed 5-22-54

Metal Quotations—Gold $4.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cd	PER CENT Sb
U. S. S. R. & M. Co.	.025	6.50	-	14.10			17.10			2.63	.25
M&P	.020	8.60	.20	14.50			17.30			2.50	.15
Barcelli Umpire				14.40			17.20 avg.				
Non-Sulphide				2.57			.20			2.57	.20
Settlement Assay	.0225	8.55	.10	11.83	16.40	4.70	17.00	14.20	9.8		

CAR NOS.	WET WEIGHT
RG 46875	
Total Wet Weight	
Sacks	
Net Weight	127500
Less H_2O 1.7 %	2168

METAL VALUE		
Gold 100% @ 22.4143		51
Silver 70 % @ 90.0	5	39
Copper (		
Lead (	20	22
Zinc	11	85
Gross Value	37	97
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	125332	Payment for	62.666	tons @	34.52	per ton	2163.23
Freight advanced @	$1.94	per ton				123.68	
Federal Tax 3%						3.71	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $2028.84 Treasurer of the United States, c/o E.E.King Executive Officer, MPA, 224 New Customhouse, Denver 2, Colorado						101.44	235 83
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1927 40

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 26, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Cooly Building, Salt Lake City, Utah

Ore Crude Lot No. 23-CMC-[illegible]-Ire Gold License No.

Sampled by [illegible] Received 5-19-54 Sampled 5-21-54 Assayed 5-22-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.025	6.00	-	10.90			18.10		1.40	.23
C & D	.020	6.70	.20	11.20			18.50		1.40	.15
Umpire				11.05 avg.			18.30 avg.			
Non-Sulphide				1.40			.19		1.40	.19
Settlement Assay	.0225	6.75	.10	9.65	16.70	5.50	18.13	15.3	10.0	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RC 46870		Gold 100% @ 22.4643		51	Treatment Base 30% Lead	3	95
		Silver 70 % @ 90.0	4	25	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	16	49	Insoluble		
		Zinc	12	62	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concentration		50
Sacks					Total Debit	3	45
Net Weight	125320	Gross Value	33	87	Iron Credit		
Less H_2O 1.7 %	2130	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 123190	Payment for 61.595	tons @	30	42	per ton 1873.72
Freight advanced @ 1.94	per ton			121.56	
Federal Tax 3%				3.65	
Assay Charges				7.00	
Sampling or Watching Charges					
Hauling Charges					
Royalty 5% of $1741.51 Treasurer of the United States, a/c U.S. Bureau of Mines Executive Officer, PHA, 22% Mex Customhouse, Denver 2, Colorado				87.08	219 29
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment					1654 43

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 1954

224 New Customhouse
Denver 2, Colorado

June 1, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 145 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $149.63 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JUN 4 1954

224 New Customhouse
Denver 2, Colorado

June 1, 1954

Memorandum

To: E. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 149 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $149.63 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, May 27, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Icely Building, Salt Lake City, Utah

SP: Eureka, Utah

Ore Crude Lot No. 145 GCU Gold License No.

Sampled by Michele Received 5-13-54 Sampled 5-20-54 Assayed 5-21-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.	.032	6.20	-	7.80			10.30			
B & D	.035	6.50	.20	8.30			10.50			
C & N Umpire				7.90			10.40 avg.			
Non-Sulphide				.18			.15			
Settlement Assay	.0335	6.35	.10	7.72	37.90	4.6	10.25	8.4	9.7	

CAR NOS.	WET WEIGHT
UP 63148	120760
UP 63346	106580
UP 66595	109200
Total Wet Weight	
Sacks	
Net Weight	326540
Less H_2O 2.1 %	6858

METAL VALUE		
Gold 100% @22.4643		75
Silver 70 % @ 90.0	4	00
Copper (		
Lead (	12	56
Zinc	6	73
Gross Value	24	04
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	319682	Payment for	159.841	tons @	20 59	per ton	3291.13
Freight advanced @	$1.71	per ton				279.19	
Federal Tax 3%						8.38	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						4.00	
Hauling Charges							
~~Royalty 5% of $2992.56 Treasurer of the United States, c/o W.H.King, Executive Officer, IRS, 224 New Customhouse, Denver 2, Colorado~~						149.63	448 20
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment		2842 93

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

224 New Customhouse
Denver 2, Colorado

May 28, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 147-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $181.80 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 28, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 147-CPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $181.80 in payment of royalty on this shipment.

W. H. King

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR, NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 26, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
Or: Eureka, Utah

Ore Crude Lot No. 147-CU Gold License No.

Sampled by Mirvale Received 5-18-54 Sampled 5-20-54 Assayed 5-21-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Ox. Mn	PER CENT Mn
U. S. S. R. & M. Co.	.025	5.00	-	5.80			8.10			.20	.22
B & B	.030	6.00	.20	5.80			8.00			.15	.10
Umpire				5.80 avg.			8.05 avg.				
Non-Sulphide				.18			.16			.18	.16
Settlement Assay	.0275	5.90	.10	5.62	36.10	4.8	7.89	7.80	11.4		

CAR NOS.	WET WEIGHT
UP 63966	101140
UP 63459	107220
UP 62089	113360
UP 63316	101880
RG 70074	134600
Total Wet Weight	
Sacks	
Net Weight	558200
Less H_2O 1.8 %	10048

METAL VALUE		
Gold 100% @22.4643		62
Silver 70 % @ 90.0	3	72
Copper		
Lead	8	85
Zinc	5	02
Gross Value	18	21
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	548152	Payment for	274.076	tons @	14 76	per ton	4045.36
Freight advanced @	1.40	per ton				390.74	
Federal Tax 3%						11.72	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3635.90 Treasurer of the United States, c/o W.H.King Executive Officer, IRM, 224 Fed. Customhouse, Denver 2, Colorado						181.00	591 26
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3454 10

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

224 New Customhouse
Denver 2, Colorado

May 28, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 21-GPUS-DMPA and 146-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $245.79 in payment of royalty on these shipments as follows:

Lot No. 21-GPUS-DMPA	----------	$166.49
146-GPU	----------	79.30
		$245.79

W. H. King

Enclosures

es

cc/ Royalty
Se c. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 20, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 21-GPUS-DMPA and 146-GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $245.79 in payment of royalty on these shipments as follows:

Lot No. 21-GPUS-DMPA	----------	$166.49
146-GPU	----------	79.30
		$245.79

W. H. King

Enclosures

es

cc/ Royalty
Se c. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

700

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, May 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Sh: Mureka, Utah

Ore Crude Lot No. 21-GPIE-DPA-Prod Gold License No.

Sampled by Mevle Received 5-14-54 Sampled 5-17-54 Assayed 5-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ~~Orib'n~~
U. S. S. R. & M. Co.	.022	7.10	-	10.6			14.60			1.57 .30
D & D	.025	7.10	.20	11.0			14.70			1.50 .15
Union Umpire				10.6			14.65 avg.			
Non-Sulphide				1.54			.23			1.54 .23
Settlement Assay	.0235	7.10	.10	9.06	17.0	4.8	14.42	12.0	12.3	

CAR NOS.	WET WEIGHT
RC 46253	112860
RC 71932	156780
Total Wet Weight	
Sacks	
Net Weight	269640
Less H_2O 1.7 %	4584

METAL VALUE		
Gold 100% @ 22.4643		53
Silver 70% @ 90.0	4	47
Copper (		
Lead (	15	44
Zinc	10	01
Gross Value	30	45
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	265056	Payment for	132.528	tons @	27 00	per ton	3578.26
Freight advanced @	$1.71	per ton				230.54	
~~Federal Tax 3%~~						6.92	
Assay Charges						7.00	
~~Sampling or Watching Charges~~	~~Umpire Charge~~					4.00	
Hauling Charges							
~~Royalty 5% of $3329.80 Treasurer of the United States, c/o M.E.King Executive Officer, IRB, 224 New Custo house, Denver 2, Colorado~~						166.49	414.95
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						3163	31

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Booly Building, Salt Lake City, Utah
c/o Eureka, Utah

Ore Crude Lot No. 146-GIU Gold License No.

Sampled by Michele Received 5-14-54 Sampled 5-17-54 Assayed 5-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT. INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxide Oxide
U. S. S. R. & M. Co.	.017	6.30	-	4.40			5.80			.20 .20
B & D	.020	6.50	.20	5.00			6.00			.15 .10
D & N Umpire				4.60			5.90			
Non-Sulphide				.18			.15			.18 .15
Settlement Assay	.0185	6.40	.10	4.42	38.50	4.9	5.75	6.50	12.50	

CAR NOS.	WET WEIGHT
UP 64011	118200
UP 65934	106260
UP 65752	96700
UP 66227	101300
RG 70386	136700
Total Wet Weight	
Sacks	
Net Weight	559160
Less H_2O 2.2 %	12302

METAL VALUE		
Gold 100% @ 22.4613		42
Silver 70 % @ 90.0	4	03
Copper		
Lead	6	39
Zinc	3	55
Gross Value	14	39
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	546858	Payment for	273.429	tons @	10 94	per ton	2991.31
Freight advanced @	1.17	per ton				327.11	
Federal Tax 3%						9.81	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						4.00	
Hauling Charges							
Royalty 3% of $2643.39 Treasurer of the United States, c/o H.E.King Executive Officer, DMA, 224 Jon Customhouse, Denver 2, Colorado						79.30	427 22
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2564 09

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

224 New Customhouse
Denver 2, Colorado

May 24, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 143-GPU, 144-GPU, 18-GPUS-DMPA, 19-GPUS-DMPA, and 20-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $813.05 in payment of the royalty on the above shipments as follows:

Lot No. 143-GPU----------	$241.66
144-GPU----------	352.68
18-GPUS-DMPA-Prod--	95.44
19-GPUS-DMPA-Prod--	120.32
20-GPUS-DMPA-Prod--	2.95
	$813.05

W. H. King

Enclosures

es

cc: Royalty
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 24, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 143-GPU, 144-GPU, 18-GPUS-DMPA, 19-GPUS-DMPA, and 20-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $813.05 in payment of the royalty on the above shipments as follows:

Lot No.	143-GPU----------	$241.00
	144-GPU----------	352.08
	18-GPUS-DMPA-Prod--	95.44
	19-GPUS-DMPA-Prod--	120.32
	20-GPUS-DMPA-Prod--	2.95
		$813.05

W. H. King

W. H. King

Enclosures
es

cc: Royalty
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. O.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Ivoly Building, Salt Lake City, Utah

CP: Eureka, Utah

Ore Crude Lot No. 143-CFU Gold License No.

Sampled by Midvale Received 5-10-54 Sampled 5-12-54 Assayed 5-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD. OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CuPbCaZn
U. S. S. R. & M. Co.	.02	7.5	-	7.4			8.4			.20 .20
D & D	.02	7.3	.20	8.0			8.7			.15 .10
T & D Umpire				7.8			8.55 avg.			
Non-Sulphide				.18			.15			.18 .15
Settlement Assay	.02	7.4	.10	7.62	39.4	5.1	8.40	8.2	8.5	

CAR NOS.	WET WEIGHT
UP 63263	101900
UP 66243	108160
UP 63109	103880
RG 71100	135120
RG 71692	109900
Total Wet Weight	
Sacks	
Net Weight	558960
Less H_2O 1.7 %	9502

METAL VALUE		
Gold 100% @ 22.46/3		45
Silver 70 % @ 90.0	4	66
Copper (		
Lead (	12	37
Zinc	5	38
Gross Value	22	86
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	549458	Payment for	274.729	tons @	19 41	per ton	5332.49
Freight advanced @	$1.71	per ton				477.91	
Federal Tax 3%						14.34	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $4833.24 Treasurer of the United States, c/o E. B. King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						241.66	740 91
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4591 58

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
c/o Eureka, Utah

Ore Crude Lot No. 144-GFU Gold License No.

Sampled by Midvale Received 5-11-54 Sampled 5-13-54 Assayed 5-14-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Ox Pb	PER CENT Ox Zn
U. S. S. R. & M. Co.	.037	8.3	-	10.6			10.5			.50	.17
B & D	.03	8.3	.20	11.2			11.0			.10	.10
C & N Umpire				10.9			10.75 avg.			.17	
Non-Sulphide				.17			.14			.17	.14
Settlement Assay	.0335	8.3	.10	10.73	39.3	5.0	10.61	9.7	7.8		

CAR NOS.	WET WEIGHT
UP 65274	115920
UP 63981	97920
UP 64270	114920
UP 63941	111860
UP 65177	112900
Total Wet Weight	
Sacks	
Net Weight	553520
Less H_2O 1.8 %	9964

METAL VALUE		
Gold 100% @ 22.4643		75
Silver 70 % @ 90.0	5	23
Copper		
Lead	18	25
Zinc	7	00
Gross Value	31	23
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	543556	Payment for	271.778	tons @	27	78	per ton 7549.99
Freight advanced @	$1.71	per ton					473.26
Federal Tax 3%							14.20
Assay Charges							7.00
~~Sampling or Weighing Charges~~		Umpire Charge					2.00
Hauling Charges							
Royalty 5% of $7053.53 Treasurer of the United States, c/o W. H. King Executive Officer, MSA, 224 New Customhouse, Denver 2, Colorado							352.68 849 14
						Amount Withheld Pending Receipt of Silver Affidavit	
						Net Payment	6700 85

FORM C.2. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, May 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Crude Lot No. 18-CMUE-IMPA-Prod Gold License No.

Sampled by Michale Received 5-8-54 Sampled 5-12-54 Assayed 5-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.027	7.6	-	11.7			19.0			.23 .21
R & D	.03	7.5	.20	12.7			19.3			.20 .15
G & R Umpire				12.10			19.15	avg.		
Non-Sulphide				.22			.18			.22 .18
Settlement Assay	.0285	7.55	.10	11.88	20.6	7.3	18.97	15.0	7.9	

CAR NOS.	WET WEIGHT
RG 45028	
Total Wet Weight	
Sacks	
Net Weight	115580
Less H_2O 0.4 %	462

METAL VALUE		
Gold 100% @ 22.4643		64
Silver 70 % @ 90.0	4	76
Copper (		
Lead (	20	19
Zinc	13	22
Gross Value	38	81
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	115118	Payment for	57.559	tons @	35 36	per ton	2035.29
Freight advanced @	01.94	per ton				112.11	
Federal Tax 3%						3.36	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $1908.82 Treasurer of the United States, c/o N.H.King Executive Officer, IMPA, 224 New Customhouse, Denver 2, Colorado						95.44	221 92
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1813 38

FORM C. 3. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 20, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 19-CMB-IMA-Prod Gold License No.

Sampled by Midvale Received 5-10-54 Sampled 5-12-54 Assayed 5-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxid Zn	PER CENT x Zn
U. S. S. R. & M. Co.	.025	8.5	-	11.3			16.8			.97	.23
B & D	.025	8.3	.20	12.3			16.9			1.00	.15
Bartwell Umpire				11.60			16.85	avg.			
Non-Sulphide				.99			.19			.99	.19
Settlement Assay	.025	8.4	.10	10.61	17.1	5.3	16.66	13.8	10.9		

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RG 71307		Gold 100% @ 22.4643		56	Treatment Base 30% Lead	3	95
		Silver 70% @ 90.0	5	29	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	16	08	Insoluble		
		Zinc	11	61	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit account		50
Sacks					Total Debit Concentration	3	45
Net Weight	162220	Gross Value	35	54	Iron Credit		
Less H_2O 0.9 %	1460	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 160760	Payment for 80.380	tons @	32	09	per ton	2579.39
Freight advanced @ 71.94	per ton				157.35	
Federal Tax 3%					4.72	
Assay Charges					7.00	
~~Sampling or Weighing Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $2406.32 Treasurer of the United States, c/o M.H.King					120.32	293 39
Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	2286 00

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah
SPr Eureka, Utah

Ore Crude Lot No. 20-CPUS-DMPA-Prod Gold License No.

Sampled by Hawle Received 5-10-54 Sampled 5-12-54 Assayed 5-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.02	3.6	-	4.0			3.1			1.90 .30
B & D	.02	3.5	.20	4.5			3.6			1.80 .10
Union Umpire				4.2			3.35 avg.			
Non-Sulphide				1.85			.20			1.85 .20
Settlement Assay	.02	3.55	.10	2.35	39.4	3.5	3.15	2.5	14.1	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RO 45348		Gold 100% @ 22.4643		45	Treatment Base 30% Lead	3	95
		Silver 65 % @ 90.0	2	08	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	3	55	Insoluble		
		Zinc	1	42	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concentrator		50
Sacks					Total Debit	3	45
Net Weight	136500	Gross Value	7	50	Iron Credit		
Less H_2O 1.2 %	1638	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs.	134862	Payment for	67.431	tons @	4 05	per ton	273.10
Freight advanced @ 93¢ per ton						63.47	
Federal Tax 3%						1.90	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						4.00	
Hauling Charges							
Royalty 1.5% of $196.73 Treasurer of the United States, c/o U. H. King Executive Officer, IMTA, 224 Sax Custerhouse, Denver 2, Colorado						2.95	79 32
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						193	78

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

Gunnold
Betty

424 New Customhouse
Denver 2, Colorado

May 19, 1954

Memorandum

To: F. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. I & M, Contract No. [illegible], Utah

Enclosed are settlement sheets covering shipment of ore under Lot Nos. 2-GPUS-DMPA, 15-GPUS-DMPA, and 17-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $311.14 in payment of royalty on these shipments as follows:

Lot No. 2-GPUS-DMPA	$ 5.07
15-GPUS-DMPA	152.41
17-GPUS-DMPA	153.66
	$ 311.14

W. H. King
W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 19, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering shipment of ore under Lot Nos. 2-GPUS-DMPA, 15-GPUS-DMPA, and 17-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $511.16 in payment of royalty on these shipments as follows:

Lot No. 2-GPUS-DMPA	$ 5.07
15-GPUS-DMPA	192.41
17-GPUS-DMPA	313.68
	$ 511.16

W H King
W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. O.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 17, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 2-CFUC-UMA-Tev Gold License No.

Sampled by Mavelo Received 5-5-54 Sampled 5-10-54 Assayed 5-11-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxi/Ox'n
U. S. S. R. & M. Co.	.035	1.90	-	2.60			4.5			.83 .30
D & I	.030	2.10	.20	3.00			5.0			.60 .35
Union Umpire				2.60			4.75 avg.			
Non-Sulphide				.72			.33			.72 .33
Settlement Assay	.0325	2.00	.10	1.88	22.10	4.10	4.42	5.30	18.6	

CAR NOS.	WET WEIGHT
RG 72760	174780
RG 70334	145460
Total Wet Weight	
Sacks	
Net Weight	320240
Less H_2O 4.0 %	12810

METAL VALUE		
Gold 100% @ 22.4643		73
Silver 65 % @ 90.0	1	17
Copper		
Lead	2	83
Zinc	1	99
Gross Value	6	72
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	307430	Payment for	153.715	tons @	3 27	per ton	502.65
Freight advanced @	93¢	per ton				148.91	
Federal Tax 3%						4.47	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						4.00	
Hauling Charges							
Royalty 1½% of $338.27 Treasurer of the United States, c/o W.H.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						5.07	169 45
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							333 20

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 17, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
MP: Eureka, Utah

Ore Crude Lot No. 15 GPUS-FITA-Prod Gold License No.

Sampled by McCvale Received 5-3-54 Sampled 5-7-54 Assayed 5-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT MgO	PER CENT ZnO
U. S. S. R. & M. Co.	.027	8.50		13.4			19.90			.20	.23
D & D	.030	8.90	.20	14.2			20.50			.20	.15
D & D Umpire				14.0			20.40				
Non-Sulphide				.20			.19			.20	.19
Settlement Assay	.0285	8.70	.10	13.80	24.10	7.5	20.21	16.50	5.10		

CAR NOS.	WET WEIGHT
RG 70473	
Total Wet Weight	
Sacks	
Net Weight	164260
Less H_2O 1.6 %	2628

METAL VALUE		
Gold 100% @ 22.4643		64
Silver 70 % @ 90.0	5	48
Copper (		
Lead (	23	42
Zinc	14	09
Gross Value	43	63
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 161632	Payment for 80.816	tons @	40 18	per ton	3247.19	
Freight advanced @ 12.27	per ton			186.44		
Federal Tax 3%				5.59		
Assay Charges				7.00		
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $3042.16 Treasurer of the United States, c/o W.H.King Executive Officer, IEA, 224 New Customhouse, Denver 2, Colorado				152.41	351	44
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					2895	75

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, May 17, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Daly Building, Salt Lake City, Utah
OR: Eureka, Utah

Ore Crude Lot No. 17-GPUS-DTA-Prod Gold License No.

Sampled by Hicwale Received 5-5-54 Sampled 5-10-54 Assayed 5-11-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT (x) Pb/Zn
U. S. S. R. & M. Co.	.027	7.50	-	14.90			18.60		1.90	.25
D & D	.025	7.50	.20	15.50			19.00		1.30	.30
Bardwell Umpire				15.40			18.80 avg.		1.00	
Non-Sulphide				1.30			.28		1.30	.28
Settlement Assay	.026	7.50	.10	14.10	18.10	6.10	16.52	15.0	7.8	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
IC 70260		Gold 100% @ 22.1643		58	Treatment Base 30% Lead	3	95
		Silver 70 % @ 90.0	4	73	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	23	08	Insoluble		
		Zinc	12	91	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	174000	Gross Value	42	20	Iron Credit		
Less H_2O 2.6 %	4524	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 169476	Payment for 84.738	tons @	38	75	per ton	3283.60
Freight advanced @ 2.27 per ton					197.49	
Federal Tax 3%					5.92	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $3073.19 Treasurer of the United States, c/o E.H.King					153.66	364 07
Executive Officer, DTA, 224 New Customhouse, Denver 2, Colorado						
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	2919 53

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

224 New Customhouse
Denver 2, Colorado

May 18, 1954

Memorandum

Approved
Belly

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Co., Docket No. 1 & 18, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 142-GPU and 16-GPUS-DMPA, by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $337.14 in payment of royalty on the above shipments as follows:

Lot No. 142-GPU	----------	$306.18
16-GPUS-DMPA	----------	30.96
		$337.14

W H King
W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 18, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 142-CPU and 16-GPUS-DMPA, by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $337.14 in payment of royalty on the above shipments as follows:

Lot No. 142-CPU	----------	$306.18
16-GPUS-DMPA	----------	30.96
		$337.14

W. H. King
W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. O.

FORM G.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 14, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, ~~Salt Lake City, Utah~~ Eureka, Utah

Ore Crude Lot No. 142-CPU Gold License No.

Sampled by Midvale Received 5-1-54 Sampled 5-7-54 Assayed 5-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.02	7.90	-	8.10			9.30			.20 .22
R & R	.02	8.10	.20	8.40			9.50			.15 .10
Umpire				8.25 avr.			9.40 avr.			
Non-Sulphide				.18			.16			.18 .16
Settlement Assay	.02	8.00	.10	8.07	36.30	5.50	9.24	9.2	9.0	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
UP 63585	106940	Gold 100% @ 22.4643		45	Treatment Base 30% Lead	3	95
UP 63552	101960	Silver 70 % @ 90.0	5	04	Credit Acc't Over 30% Pb.		
UP 63669	88920	Copper (			Debit Acc't Under 30% Pb.		
UP 64060	124280	Lead (	13	19	Insoluble		
UP 66587	104340	Zinc	5	00	Zinc Charge, excess over 6%		
UP 65453	114860				Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit c/c concentration		50
Sacks					Total Debit	3	45
Net Weight	641300	Gross Value	24	67	Iron Credit		
Less H_2O 1.6 %	10260	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs.	631040	Payment for	315.520	tons @	21 22	per ton	6695.33
Freight advanced @	$1.71	per ton				548.31	
Federal Tax 3%						16.45	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $6123.57 Treasurer of the United States, c/o R.E.King Executive Officer, DMA, 224 Post Customhouse, Denver 2, Colorado						306.18	877 94
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment		5817 39

FORM C.O. 77-2

.706

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, May 14, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
C/o: Eureka, Utah

Ore Crude Lot No. 16-CMS-IMA-Mor Gold License No.

Sampled by Midvale Received 5-3-54 Sampled 5-7-54 Assayed 5-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonates
U. S. S. R. & M. Co.	.02	5.90	-	7.80			6.40		2.37	.33
B & D	.025	6.10	.20	8.60			6.50		2.80	.25
C & D Umpire				8.15			6.45 avg.		2.25	
Non-Sulphide				2.37			.29		2.37	.29
Settlement Assay	.0225	6.00	.10	5.78	40.0	4.6	6.16	4.9	10.2	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
BC 46075		Gold 100% @ 22.4643		57	Treatment Base 30% Lead	3	95
		Silver 70% @ 90.0	3	78	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	9	59	Insoluble		
		Zinc	3	83	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	100860	Gross Value	17	71	Iron Credit		
Less H_2O 1.7 %	1714	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 99146	Payment for 49.573	tons @	14	26	per ton	706.91
Freight advanced @ $1.40	per ton				70.60	
~~Federal Tax 3%~~					2.12	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					8.00	
Hauling Charges						
Royalty 5% of $619.19 Treasurer of the United States, c/o W.H.King Executive Officer, IMA, 224 New Customhouse, Denver 2, Colorado					30.96	112 68
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						594 23

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

224 New Customhouse
Denver 2, Colorado

May 18, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 141 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $42.63 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 18, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

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Also enclosed is check in the amount of $42.63 in payment of royalty on this shipment.

W H King
W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 7-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 13, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

SP: Eureka, Utah

Ore Crude Lot No. 141 CPU Gold License No.

Sampled by Midvale Received 5-1-54 Sampled 5-5-54 Assayed 5-6-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orb Orb
U. S. S. R. & M. Co.	.02	3.0	-	4.70			6.80			.20 .23
B & T	.025	3.3	.20	5.00			6.60			.15 .10
Umpire				4.85 avg.			6.70 avg.			
Non-Sulphide				.18			.17			.18 .17
Settlement Assay	.0225	3.15	.10	4.67	21.30	5.0	6.53	7.4	13.3	

CAR NOS.	WET WEIGHT
UP 63744	106080
UP 62860	121360
UP 66620	107940
UP 63722	* 89680
UP 62118	* 89960
*100,000# minimum weight	
Wt. to be used for freight purposes	
~~Total Wet Weight~~ is	535380
Sacks	
Net Weight	508020
Less H_2O 3.0 %	15240

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 65 % @ 90.0	1	84
Copper (		
Lead (	6	74
Zinc	4	08
Gross Value	13	17
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/c concessions		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	492780	Payment for	246.390	tons @ 9 72	per ton	2394.91
Freight advanced @	93¢	per ton			248.95	
Federal Tax 3%					7.47	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 2% of $2131.40 Treasurer of the United States, c/o W.H.King Executive Officer, MEA, 224 New Customhouse, Denver 2, Colorado					42.63	306 05
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	2088 86

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

224 New Customhouse
Denver 2, Colorado

May 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering shipments of ore under Lot Nos. 13-GPUS-DMPA, 14 GPUS-DMPA, 139-GPU and 140-GPU, by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $258.34 in payment of royalty on these shipments as follows:

Lot No.	139-GPU	$91.16
	140-GPU	57.54
	13-GPUS-DMPA	6.90
	14-GPUS-DMPA	102.74
		$258.34

John F. Shaw
John F. Shaw
For W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

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	140-GPU	57.54
	13-GPUS-DMPA	6.90
	14-GPUS-DMPA	102.74
		$258.34

John F. Shaw
John F. Shaw
For W. H. King

Enclosures

es
cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. O.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 1?, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Or: Eureka, Utah

Ore Crude Lot No. 13-GMS-GPA-FCT Gold License No.

Sampled by Michele Received 4-29-54 Sampled 5-4-54 Assayed 5-5-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CARBONATE
U. S. S. R. & M. Co.	.033	3.40	–	5.40			5.30		1.67	.32
[illegible]	.035	3.40	.20	5.50			5.80		2.10	.20
Union Umpire				5.45 ave.			5.55 ave.		1.70	
Non-Sulphide				1.70			.26		1.70	.26
Settlement Assay	.034	3.40	.10	3.75	32.40	4.6	5.29	5.3	9.6	

CAR NOS.	WET WEIGHT
UP 64710	
Total Wet Weight	
Sacks	
Net Weight	136080
Less H_2O 2.8 %	3810

METAL VALUE		
Gold 100% @ 22.4643		76
Silver 65 % @ 90.0	1	99
Copper		
Lead	5	56
Zinc	3	25
Gross Value	11	56
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	132270	Payment for	66.135	tons @	8 11	per ton	536.35
Freight advanced @	93¢	per ton				63.28
Federal Tax 3%						1.90
Assay Charges						7.00
~~Sampling or Watching Charges~~		Umpire Charge				4.00
Hauling Charges						
Royalty 1½% of $460.17 Treasurer of the United States, c/o U.S. Mint Agent, Officer, DUM, 224 Post Customhouse, Denver 2, Colorado						6.90
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						453 27

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 10, 1954

Purchased From Chief Consolidated Mining Company

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

Ut; Eureka, Utah

Ore Crude Lot No. 14-CPUS-1174-RCO Gold License No.

Sampled by Mevelo Received 4-30-54 Sampled 5-3-54 Assayed 5-5-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.037	7.30	-	11.0			21.5			1.17 .27
B & I	.045	7.50	.20	11.8			22.2			1.20 .25
Barrett Umpire				11.4			22.0			
Non-Sulphide				1.19			.26			1.19 .26
Settlement Assay	.041	7.40	.10	10.21	26.9	6.8	21.74	17.4	4.40	

CAR NOS.	WET WEIGHT
RG 46340	
Total Wet Weight	
Sacks	
Net Weight	128540
Less H_2O 1.7 %	2186

METAL VALUE		
Gold 100% @ 22.4643		92
Silver 70 % @ 90.0	4	66
Copper (		
Lead (	17	42
Zinc	15	15
Gross Value	38	15
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 126354	Payment for 63.177	tons @	34	70	per ton	2192.24
Freight advanced @ 61.94	per ton				124.68	
Federal Tax 3%					3.74	
Assay Charges					7.00	
~~Sampling or Washing Charges~~ Umpire Charge					2.00	
Hauling Charges						
Royalty 5% of $2054.82 Treasurer of the United States, c/o M.E.King Executive Officer, IRS- 224 Pow Customhouse, Denver 2, Colorado					102.74	240 16
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						1952 08

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 10, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 139-CTU Gold License No.

Sampled by Hidvale Received 4-28-54 Sampled 5-3-54 Assayed 5-4-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaCO3 MgCO3
U. S. S. R. & M. Co.	.02	3.30	-	4.80			7.50			.23 .25
B & T	.02	3.40	.20	5.20			7.80			.20 .20
D & N Umpire				5.00			7.65 avg.			
Non-Sulphide				.22			.23			.22 .23
Settlement Assay	.02	3.35	.10	4.78	27.2	4.8	7.42	7.80	14.4	

CAR NOS.	WET WEIGHT
RC 45415	113460
RC 70372	159060
RC 72607	161340
RC 70258	191080
RC 73312	179220
Total Wet Weight	
Sacks	
Net Weight	804160
Less H_2O 2.5 %	20104

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 65 % @ 90.0	1	96
Copper (		
Lead (	6	90
Zinc	4	70
Gross Value	14	01
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	784056	Payment for	392.028	tons @	10 56	per ton	4139.82
Freight advanced @	$1.17	per ton				470.43	
Federal Tax 3%						14.11	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				2.00	
Hauling Charges							
Royalty 2½% of $3646.28 Treasurer of the United States, c/o U.S.Mint Executive Officer, MTA- 224 Fed Customhouse, Denver 2, Colorado						91.16	584 70
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3555 12

FORM C.O. 77-2 ©

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706.

Salt Lake City, Utah, May 10, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah

c/o Eureka, Utah

Ore Crude Lot No. 140 CIU Gold License No.

Sampled by Midvale Received 4-29-54 Sampled 5-3-54 Assayed 5-4-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.022	3.90	-	4.40			6.7			.20 .25
B & F	.020	4.20	.20	5.10			7.2			.20 .20
C & H Umpire		4.28		4.50			6.95 avg.			
Non-Sulphide				.20			.23			.20 .23
Settlement Assay	.021	4.20	.10	4.30	30.00	4.8	6.72	6.90	14.20	

CAR NOS.	WET WEIGHT
UP 65423	131340
UP 65616	134540
UP 64687	130880
RC 46201	139480
UP 62791	127440
Total Wet Weight	
Sacks	
Net Weight	663680
Less H_2O 1.9 %	12610

METAL VALUE		
Gold 100% @ 22.4643		47
Silver 70 % @ 90.0	2	65
Copper (		
Lead (	6	22
Zinc	4	21
Gross Value	13	55
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	651070	Payment for 325.535	tons @	10	10	per ton	3287.90
Freight advanced @	1.17	per ton				388.25	
Federal Tax 3%						11.65	
Assay Charges						7.00	
~~Sampling or Washing Charges~~ Umpire Charge						4.00	
Hauling Charges							
Royalty 2% of $2877.00 Treasurer of the United States, H. H. King, Executive Officer, DTA, 224 New Customhouse, Denver 2, Colorado						57.54	468 44
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2819 46

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

224 Newcustomhouse
Denver 2, Colorado

May 10, 1954

Gentlemen
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering shipment of ore under Lot Nos. 11-GPUS-DMPA, 12-GPUS-DMPA, 137 GPU, and 138-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $488.91 in payment of royalty on the above shipments as follows:

Lot No.	11-GPUS-DMPA	$132.40
	12-GPUS-DMPA	104.39
	137-GPU	92.18
	138-GPU	159.94
		$488.91

W. H. King

Enclosures
es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 Newcustomhouse
Denver 2, Colorado

May 10, 1954

Memorandum

To: E. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

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Lot No.	11-GPUS-DMPA	$132.40
	12-GPUS-DMPA	104.39
	137-GPU	92.18
	138-GPU	159.94
		$488.91

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 7, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah
Ft. Eureka, Utah

Ore Crude Lot No. 11-CFUE-UPA-FRCT Gold License No.

Sampled by Michele Received 4-28-54 Sampled 5-1-54 Assayed 5-3-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.035	6.90	-	11.70			21.20			.73	.23
[illegible]	.035	7.30	.20	12.30			22.20			1.40	.20
Farewell Umpire				12.00			22.20			.80	
Non-Sulphide				.80			.22			.80	.22
Settlement Assay	.035	7.10	.10	11.20	24.8	7.40	21.98	17.3	4.8		

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RG 70572		Gold 100% @ 22.4643		79	Treatment Base 30% Lead	3	95
		Silver 70 % @ 90.0	4	47	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	19	07	Insoluble		
		Zinc	15	32	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit c/c concession		50
Sacks					Total Debit	3	45
Net Weight	160600	Gross Value	39	65	Iron Credit		
Less H_2O 2.0 %	3212	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs.	157388	Payment for	78.694	tons @	36 20	per ton	2848.72
Freight advanced @	2.27	per ton				182.28	
Federal Tax 3%						5.47	
Assay Charges						7.00	
~~Sampling or Washing Charges~~ Umpire Charge						6.00	
Hauling Charges							
Royalty 5% of $2647.97 Treasurer of the United States, c/o W.H.King Executive Officer, UPA, 224 New Customhouse, Denver 2, Colorado						132.40	333 15
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2515 57

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 7, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Hooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 12-C US-DMA-PROC Gold License No.

Sampled by Midvale Received 4-28-54 Sampled 5-1-54 Assayed 5-3-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.032	7.0	-	12.10			21.20			.73 .23
B & I	.035	7.2	.20	12.80			22.40			1.40 .20
Union Umpire				12.70			22.17			1.53
Non-Sulphide				1.40			.22			1.40 .22
Settlement Assay	.0335	7.1	.10	11.30	23.6	7.10	21.95	17.50	4.90	

CAR NOS.	WET WEIGHT
EC 46210	
Total Wet Weight	
Sacks	
Net Weight	126740
Less H_2O 2.6 %	3296

METAL VALUE		
Gold 100% @ 22.4643		75
Silver 70 % @ 90.0	4	47
Copper (		
Lead (	19	27
Zinc	15	30
Gross Value	39	79
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	123444	Payment for	61.722	tons @	36 34	per ton	2242.98
Freight advanced @	$2.27	per ton				143.85	
Federal Tax 3%						4.32	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
~~Royalty 5% of $2087.81 Treasurer of the United States, c/o U.E.King Executive Officer, DMA, 224 New Customhouse, Denver 2, Colorado~~						104.39	259 56
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1983 42

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 7, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 137-CFU Gold License No.

Sampled by Midvale Received 4-26-54 Sampled 4-30-54 Assayed 5-1-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT ~~Oxide~~ Zn
U. S. S. R. & M. Co.	.02	3.30	-	4.40			7.0			.40 .25
B & I	.02	3.50	.20	5.00			7.6			.25 .15
D & E Umpire				5.00			7.3			
Non-Sulphide				.33			.2			.33 .20
Settlement Assay	.02	3.35	.10	4.67	27.8	5.0	7.1	7.30	4.5	

CAR NOS.	WET WEIGHT
RC 70107	131900
RC 47403	161020
RC 72195	186360
RC 70356	172440
RC 46891	144020
Total Wet Weight	
Sacks	
Net Weight	795740
Less H_2O 2.1 %	16710

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 65 % @ 90.0	1	96
Copper (		
Lead (	7	29
Zinc	4	47
Gross Value	14	17
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	779030	Payment for	389.515	tons @	10	72	per ton	4175.60
Freight advanced @	$1.17	per ton					465.51	
~~Federal Tax 3%~~							33.97	
Assay Charges							7.00	
~~Sampling or Watching Charges~~		~~Umpire Charge~~					2.00	
Hauling Charges								
~~Royalty 2½% of $3687.12 Treasurer of the United States, c/o M.E.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado~~							92.18	580 66
Amount Withheld Pending Receipt of Silver Affidavit								
Net Payment								3594 94

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706 Salt Lake City, Utah, May 7, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
Ut: Eureka, Utah

Ore Crude Lot No. 138-CPU Gold License No.

Sampled by Midvale Received 4-24-54 Sampled 4-30-54 Assayed 5-1-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.015	5.90	-	8.40			12.80			.30 .20
D & I	.020	6.70	.20	9.00			13.50			.15 .10
C & N Umpire		6.53		8.80			13.05			
Non-Sulphide				.23			.15			.23 .15
Settlement Assay	.0175	6.53	.10	8.57	28.60	5.50	12.90	11.60	14.60	

CAR NOS.	WET WEIGHT
UP 63563	110940
UP 63087	92620
UP 64629	87640
Total Wet Weight	
Sacks	
Net Weight	291200
Less H_2O 0.6 %	1748

METAL VALUE		
Gold 100% @ $2.4643		30
Silver 70% @ 90.0	4	11
Copper (		
Lead (	16	13
Zinc	8	77
Gross Value	27	40
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 289452	Payment for 144.726	tons @	23 95	per ton	3466.19
Freight advanced @ $1.71	per ton			248.98	
Federal Tax 3%				7.47	
Assay Charges				7.00	
~~Sampling or Watching Charges~~	Umpire Charge			4.00	
Hauling Charges					
Royalty 5% of $3198.74 Treasurer of the United States, c/o W.H.King Executive Officer, USM, 224 New Customhouse, Denver 2, Colorado				159.94	427 39
				Amount Withheld Pending Receipt of Silver Affidavit	
				Net Payment	3038 80

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

224 New Customhouse
Denver 2, Colorado

May 1[illegible], 1954

Gwendolyn
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 135 GPU and 136 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $471.28 in payment of royalty on these shipments as follows:

Lot No.	135 GPU	$185.45
	136 GPU	285.83
		$471.28

W. H. King
W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 13, 1954

Memorandum

To: W. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 135 GPU and 136 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $471.28 in payment of royalty on these shipments as follows:

Lot No. 135 GPU	$185.45
136 GPU	285.83
	$471.28

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. 0

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 135 CFU Gold License No.

Sampled by Midvale Received 4-23-54 Sampled 4-27-54 Assayed 4-28-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Pb
U. S. S. R. & M. Co.	.025	5.30	-	6.10			8.40			.20	.28
D & D	.025	5.40	.20	6.60			8.70			.15	.30
Union Umpire				6.30			8.55 avg.				
Non-Sulphide				.18			.29			.18	.29
Settlement Assay	.025	5.35	.10	6.12	34.0	7.4	8.26	8.30	11.60		

CAR NOS.	WET WEIGHT
UP 66272	96960
UP 65079	109200
UP 65646	118700
UP 66649	112680
UP 63967	108720
Total Wet Weight	
Sacks	
Net Weight	546260
Less H_2O 1.7 %	9286

METAL VALUE		
Gold 100% @22.4643		56
Silver 70 % @90.0	3	37
Copper (		
Lead (	9	72
Zinc	5	29
Gross Value	18	94
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	536974	Payment for	268.487	tons @	15 49	per ton	4158.86
Freight advanced @	$1.56	per ton				426.08	
Federal Tax 3%						12.78	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $3709.00 Treasurer of the United States, c/o W.H.King Executive Officer, DTEA, 224 New Customhouse, Denver 2, Colorado						185.45	635 31
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3523 55

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah,

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah
Or Eureka, Utah

Ore Crude Lot No. 136-GPU Gold License No.

Sampled by Midvale Received 4-24-54 Sampled 4-28-54 Assayed 4-29-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Pb	PER CENT Zn
U. S. S. R. & M. Co.	.022	7.70	-	8.20			11.50			.20	.23
B & D	.020	8.00	.20	8.90			12.20			.20	.20
D & D Umpire				8.60			11.80				
Non-Sulphide				.20			.22			.20	.22
Settlement Assay	.021	7.85	.10	8.40	34.70	6.10	11.58	11.20	8.50		

CAR NOS.	WET WEIGHT
UP 64544	106200
UP 63210	105120
UP 64777	107880
UP 66252	111080
UP 62099	100540
Total Wet Weight	
Sacks	
Net Weight	530820
Less H_2O 0.8 %	4246

METAL VALUE		
Gold 100% @ 22.4643		47
Silver 70 % @ 90.0	4	95
Copper (		
Lead (	13	81
Zinc	7	75
Gross Value	26	98
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	526574	Payment for	263.287	tons @	23	53	per ton 6195.14
Freight advanced @	$1.71	per ton					453.85
Federal Tax 3%							13.62
Assay Charges							7.00
~~Sampling or Watching Charges~~		Umpire Charge					4.00
Hauling Charges							
Royalty 5% of $5716.67 Treasurer of the United States, c/o M.H.King Executive Officer, UMTA, 224 New Customhouse, Denver 2, Colorado							285.83 764 30
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5430 84

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

224 New Customhouse
Denver 2, Colorado

May 10, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 10-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $121.29 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 10, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 10-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $121.29 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 6, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah
Mt. Eureka, Utah

Ore Crude Lot No. 10 GPG-ETA-BCD Gold License No.

Sampled by Hicvale Received 4-23-54 Sampled 4-29-54 Assayed 4-30-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 14.00 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaO/MgO
U. S. S. R. & M. Co.	.027	4.90	-	11.60			20.70			.93 .20
B & P	.025	4.90	.20	12.00			21.60			.50 .20
Union Umpire				11.70			21.35			.77
Non-Sulphide				.77			.20			.77 .20
Settlement Assay	.026	4.90	.10	10.93	24.40	6.20	21.15	16.0	6.10	

CAR NOS.	WET WEIGHT
MO 70228	
Total Wet Weight	
Sacks	
Net Weight	156760
Less H_2O 1.3 %	2038

METAL VALUE		
Gold 100% @ 22.6613		58
Silver 70% @ 90.0	3	09
Copper		
Lead	18	62
Zinc	14	74
Gross Value	37	03
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 154702	Payment for 77.351 tons @	33.58	per ton		2597.45	
Freight advanced @ 1.94	per ton			150.04		
Federal Tax 3%				4.56		
Assay Charges				7.00		
~~Sampling or Washing Charges~~	Urgino Charge			8.00		
Hauling Charges						
Royalty 5% of $2475.85 Treasurer of the United States, c/o L.B.King				121.20	292	89
Executive Officer, MRA, 224 New Customhouse, Denver 2, Colorado						
			Amount Withheld Pending Receipt of Silver Affidavit			
			Net Payment		2304	56

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

224 New Customhouse
Denver 2, Colorado

May 6, 1954

Memorandum

To: E. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 9-CPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $117.75 in payment of royalty on this shipment.

W. H. King

Enclosures

es
cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 6, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is settlement sheet covering ore shipped under Lot No. 9-GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $117.75 in payment of royalty on this shipment.

W H King
W. H. King

Enclosures

es
cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, May 3, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 9-CPUS-PIPA Gold License No.

Sampled by Midvale Received 4-21-54 Sampled 4-26-54 Assayed 4-27-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.875 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb OxZn
U. S. S. R. & M. Co.	.025	5.50	-	11.50			18.20			.43 .27
D & D	.035	5.70	.20	12.00			18.80			.50 .25
C & N Umpire				11.90			19.40			
Non-Sulphide				.47			.26			.47 .26
Settlement Assay	.030	5.60	.10	11.43	23.60	5.90	18.54	15.0	7.90	

CAR NOS.	WET WEIGHT
RG 72627	
Total Wet Weight	
Sacks	
Net Weight	155840
Less H_2O 1.7 %	2650

METAL VALUE		
Gold 100% @22.4643		67
Silver 70 % @ 90.0	3	53
Copper (		
Lead (	19	20
Zinc	12	92
Gross Value	36	32
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	153190	Payment for	76.595	tons @	32	87	per ton 2517.68
Freight advanced @	$1.94	per ton					151.16
Federal Tax 3%							4.53
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $2354.99 Treasurer of the United States, c/o W.H.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							117.75 280 44
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2237 24

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

224 New Customhouse
Denver 2, Colorado

May 4, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 4-GPUS-DMPA and 131-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $533.03 in payment of royalties on the above shipments as follows:

Lot No. 131-GPU	$229.60
4-GPUS-DMPA	303.43
	$533.03

W. H. King

Enclosures

es
cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 4, 1954

Memorandum

To: E. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 4-GPUS-DMPA and 131-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $533.03 in payment of royalties on the above shipments as follows:

Lot No.	131-GPU	$229.60
	4-GPUS-DMPA	303.43
		$533.03

W. H. King

Enclosures

es
cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

W. O.

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, April 21, 1954

Purchased From Chief Consolidated Mining Company

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

CP: Eureka, Utah

Ore Crude Lot No. 4-CPUS-UTA Gold License No.

Sampled by Hiewale Received 4-9-54 Sampled 4-14-54 Assayed 4-15-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.71 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.023	7.8	-	13.90			20.40			.43 .25
B & D	.025	8.1	.20	14.40			21.00			.30 .20
Berdwell Umpire				14.50			20.80			
Non-Sulphide				.37			.23			.37 .23
Settlement Assay	.024	7.95	.10	14.03	15.0	4.5	20.57	16.0	9.0	

CAR NOS.	WET WEIGHT
FG 73583	173400
FG 72166	159060
Total Wet Weight	
Sacks	
Net Weight	332460
Less H_2O 1.7 %	5652

METAL VALUE		
Gold 100% @22.4613		54
Silver 90 % @ 90.0	5	01
Copper		
Lead	23	12
Zinc	14	34
Gross Value	43	01
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 326808	Payment for 163.404 tons @	39	56	per ton	6464.26	
Freight advanced @ $2.27	per ton			377.34		
Federal Tax 3%				11.32		
Assay Charges				7.00		
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $6068.60 Treasurer of the United States, c/o U.S. Fing Executive Officer, VTSA, 224 Pep Customhouse, Denver 2, Colorado				303.43	699	09
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					5765	17

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, April 21, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Daly Building, Salt Lake City, Utah
Att: Eureka, Utah

Ore Crude Lot No. 131-CPU Gold License No.

Sampled by Miwele Received 4-12-54 Sampled 4-14-54 Assayed 4-15-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.71 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cx/Ph/Mn
U. S. S. R. & M. Co.	.022	8.20	.05	8.10			8.40			.20 .27
D & [illegible]	.025	8.40	.20	8.40			8.80			.20 .20
Umpire				8.25 avg.			8.60 avg.			
Non-Sulphide				.20			.24			.20 .24
Settlement Assay	.0235	8.30	.13	8.05	32.0	3.7	8.36	8.0	11.90	

CAR NOS.	WET WEIGHT
UP 66602	102220
UP 66304	100160
UP 64949	114240
UP 64162	82200
UCR 20345	103840
Total Wet Weight	
Sacks	
Net Weight	502660
Less H_2O 2.1 %	10556

METAL VALUE		
Gold 100% @ 22.4643		53
Silver 70 % @ 90.0	5	23
Copper		
Lead	12	82
Zinc	5	36
Gross Value	23	94
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	492104	Payment for	246.052	tons @	20	49	per ton 5041.61
Freight advanced @	1.71	per ton					429.77
Federal Tax 3%							12.89
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5 % of $4591.95 Treasurer of the United States, c/o U.H.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							229.60 — 672 26
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4362 35

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

224 New Customhouse
Denver2, Colorado

May 4, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 5-GPUS-DMPA, 6 GPUS-DMPA, and 130-GPU, by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $581.19 in payment of royalty on the above shipments as follows:

Lot No.	130 GPU	$261.10
	5-GPUS-DMPA	115.82
	6-GPUS-DMPA	204.21
		$581.19

W. H. King

Enclosures
es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver2, Colorado

May 4, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 5-GPUS-DMPA, 6 CPUS-DMPA, and 130-GPU, by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $581.19 in payment of royalty on the above shipments as follows:

Lot No.	130 GPU	$281.16
	5-GPUS-DMPA	119.82
	6-GPUS-DMPA	204.21
		$581.19

W H King
W. H. King

Enclosures
es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. O.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

406

Salt Lake City, Utah, April 26, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah

CP: Eureka, Utah

Ore Crude Lot No. 7 GTUS-UTA Gold License No.

Sampled by Midvale Received 4-16-54 Sampled 4-17-54 Assayed 4-19-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.875 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbon
U. S. S. R. & M. Co.	.025	6.8	tr	14.6			22.6			.33 .27
D & D	.035	6.3	.20	15.0			24.0			.15 .10
D & H Umpire				14.6			23.9			
Non-Sulphide				.29			.24			.29 .24
Settlement Assay	.03	6.55	.10	14.31	21.0	6.5	23.66	19.2	4.5	

CAR NOS.	WET WEIGHT
NO 71523	
Total Wet Weight	
Sacks	
Net Weight	185560
Less H_2O 1.6 %	2965

METAL VALUE		
Gold 100% @22.4643		67
Silver 70 % @ 90.0	4	13
Copper (		
Lead (	23	97
Zinc	16	49
Gross Value	45	26
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrate		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 182522	Payment for 91.296	tons @	41 61	per ton	3817.09
Freight advanced @ 62.27	per ton			210.61	
Federal Tax 3%				6.32	
Assay Charges				7.00	
~~Sampling or Watching Charges~~ Umpire Charge				4.00	
Hauling Charges					
Royalty 5% of $3589.16 Treasurer of the United States, c/o W.H.King Executive Officer, UMA, 224 New Customhouse, Denver 2, Colorado				179.46	407 39
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment					3409 70

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

786

Salt Lake City, Utah, April 26, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah

Ft. Duroka, Utah

Ore Crude Lot No. 132-GFT Gold License No.

Sampled by Midvale Received 4-15-54 Sampled 4-16-54 Assayed 4-17-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.875 Zinc 10.250

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CuPbCdZn
U. S. S. R. & M. Co.	.022	6.90	-	8.00			8.6			.20 .25
D & D	.035	7.10	.20	8.70			8.9			.15 .10
Union Umpire				8.20			8.75avg.			
Non-Sulphide				.18			.18			.18 .18
Settlement Assay	.0285	7.00	.10	8.02	35.0	4.5	8.57	8.4	10.6	

CAR NOS.	WET WEIGHT
UCR 21555	138920
UP 66006	115440
UP 65120	110020
UP 64451	106860
UP 65473	85840
Total Wet Weight	
Sacks	
Net Weight	557180
Less H_2O 1.9 %	10586

METAL VALUE			
Gold 100% @ 22.4613		64	
Silver 70% @ 90.0		4	41
Copper	(		
Lead	(	12	93
Zinc		5	51
Gross Value		23	49
Less Working Charge		3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	546594	Payment for	273.297 tons @	20 04	per ton	5476.87
Freight advanced @	51.71	per ton			476.39	
Federal Tax 3%					14.29	
Assay Charges					7.00	
~~Sampling or Watching Charges~~		Umpire Charge			4.00	
Hauling Charges						
Royalty 5% of $4975.19 Treasurer of the United States, c/o U.E.King Executive Officer, [illegible], 224 New Customhouse, Denver 2, Colorado					248.76	750 44
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	4726 43

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

224 New Customhouse
Denver 2, Colorado

May 4, 1954

Greenwell
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 8 GPUS-DMPA, and 133 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $311.57 in payment of royalties on the above shipments as follows:

Lot No. 133 GPU		$218.27
	8-GPUS-DMPA	93.30
		$311.57

W. H. King

Enclosures
es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 4, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are settlement sheets covering ore shipped under Lot Nos. 8 GPUS-DMPA, and 133 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $311.57 in payment of royalties on the above shipments as follows:

Lot No.	133 GPU	$218.27
	8-GPUS-DMPA	93.30
		$311.57

W. H. King

Enclosures
es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2 ®

W. O.

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

06

Salt Lake City, Utah, April 28, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 8-CFCC-EUFA Gold License No.

Sampled by Hidvale Received 4-19-54 Sampled 4-21-54 Assayed 4-22-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.875 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Pb	PER CENT Zn
U. S. S. R. & M. Co.	.025	4.90	-	10.00			16.70			.37	.28	
B & D	.025	5.10	.20	11.00			17.50			.20	.20	
Union Umpire				10.30			17.35					
Non-Sulphide				.29			.24			.29	.24	
Settlement Assay	.025	5.00	.10	10.01	25.70	5.60	17.11	14.5	8.0			

CAR NOS.	WET WEIGHT
NG 46305	
Total Wet Weight	
Sacks	
Net Weight	141840
Less H_2O 1.4 %	1986

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70 % @ 90.0	3	15
Copper (		
Lead (	16	68
Zinc	11	93
Gross Value	32	32
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 139654	Payment for 69.927	tons @	28	87	per ton	2018.70
Freight advanced @ $1.94	per ton				137.58	
Federal Tax 3%					4.13	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $1866.08 Treasurer of the United States, c/o U.S. Fing Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado					93.30	246 01
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						1772 78

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

106

Salt Lake City, Utah, April 28, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 133 GFU Gold License No.

Sampled by Midvale Received 4-17-54 Sampled 4-21-54 Assayed 4-22-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.875 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaPbOxZn
U. S. S. R. & M. Co.	.02	6.5	-	7.90			7.80			.27 .11
B & D	.025	6.9	.20	8.40			8.00			.15 .10
C & H Umpire				7.90			7.90 avg.			
Non-Sulphide				.21			.11			.21 .11
Settlement Assay	.0225	6.7	.10	7.69	35.80	4.30	7.79	7.8	10.10	

CAR NOS.	WET WEIGHT
UP 64446	129280
UP 66689	97920
UP 65926	102080
UP 64136	97300
UP 66646	98880
Total Wet Weight	
Sacks	
Net Weight	525460
Less H_2O 1.7 %	8932

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	4	22
Copper (		
Lead (	12	35
Zinc	4	95
Gross Value	22	03
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	516528	Payment for	258.264	tons @	18 50	per ton	4798.55
Freight advanced @	81.56	per ton				409.86	
Federal Tax 3%						12.30	
Assay Charges						7.00	
Sampling or Watching Charges Umpire Charge						4.00	
Hauling Charges							
Royalty 5% of $4365.39 Treasurer of the United States, c/o M.H.King Executive Officer, IMBA, 224 New Customhouse, Denver 2, Colorado						218.27	653 43
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4147 12

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

224 New Customhouse
Denver 2, Colorado

May 4, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 134-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $55.52 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

May 4, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

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Also enclosed is check in the amount of $55.52 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

716

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, April 29, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
C/o Eureka, Utah

Ore Crude Lot No. 134-CFU Gold License No.

Sampled by Midvale Received 4-17-54 Sampled 4-22-54 Assayed 4-23-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.875 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Calc'd Zn
U. S. S. R. & M. Co.	.017	4.40		4.60			6.50			.23 .17
B & D	.020	4.60	.20	5.10			6.80			.20 .15
Umpire				4.80			6.65 avg.			
Non-Sulphide				.22			.16			.22 .16
Settlement Assay	.0185	4.50	.10	4.58	31.60	3.5	6.49	6.0	14.0	

CAR NOS.	WET WEIGHT
UP 63879	98860
UP 65466	107050
UP 65665	93920
UP 62947	102200
UP 63940	95160
Total Wet Weight	
Sacks	
Net Weight	497220
Less H_2O 2.0 %	9944

METAL VALUE		
Gold 100% @ 22.4643		42
Silver 70 % @ 90.0	2	84
Copper (		
Lead (	6	53
Zinc	4	05
Gross Value	13	84
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 487276	Payment for 243.638	tons @	10	39	per ton	2531.40
Freight advanced @ 1.17 per ton					290.87	
Federal Tax 3%					8.73	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 2½% of $2220.80 Treasurer of the United States, c/o W.H.King Executive Officer, DMA, 224 New Customhouse, Denver 2, Colorado					55.52	366 12
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						2165 28

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

224 New Customhouse
Denver 2, Colorado

April 19, 1954

~~Swanold~~
Butty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 129-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $322.28 in payment of royalty on this shipment.

W. H. King

W. H. King

Enclosures

es

cc: R oyalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

April 19, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 129-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $322.28 in payment of royalty on this shipment.

W H King
W. H. King

Enclosures

es

cc: R oyalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, April 16, 1954

Purchased From Chief Consolidated Mining Company

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

Eureka, Utah

Ore Crude Lot No. 129-CPU Gold License No.

Sampled by Hovale Received 4-8-54 Sampled 4-12-54 Assayed 4-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.710 Zinc 10.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orb Orin
U. S. S. R. & M. Co.	.025	8.90	-	9.70			11.1			.20 .17
E & I	.030	9.00	.20	9.70			11.2			.15 .20
Umpire				9.70 avg.			11.15 avg.			
Non-Sulphide				.18			.19			.18 .19
Settlement Assay	.0275	8.95	.10	9.52	26.40	3.80	10.96	9.40	12.10	

CAR NOS.	WET WEIGHT
UP 64514	118980
UP 66256	108380
UP 64075	105980
UP 65397	108820
UP 66799	114160
Total Wet Weight	
Sacks	
Net Weight	556320
Less H_2O 2.2 %	12240

METAL VALUE		
Gold 100% @ 22.4643		62
Silver 70 % @ 90.0	5	64
Copper		
Lead	15	44
Zinc	7	27
Gross Value	28	97
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	544080	Payment for	272.040	tons @	25 52	per ton	6942.46
Freight advanced @	1.71	per ton				475.65	
Federal Tax 3%						14.27	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $6445.54 Treasurer of the United States, c/o W.F.King Executive Officer, UMA, 224 New Customhouse, Denver 2, Colorado						322.28	819 20
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							6123 26

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

224 New Customhouse
Denver 2, Colorado

April 19, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 126-GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $200.17 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

April 19, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

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Also enclosed is check in the amount of $200.17 in payment of royalty on this shipment.

W. H. King

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, April 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Deely Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 126-CEU Gold License No.

Sampled by Midvale Received 4-7-54 Sampled 4-8-54 Assayed 4-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.333 Zinc 9.922

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.017	6.5	–	6.70			9.60			.20 .28
B & D	.025	6.5	.20	7.30			10.20			.20 .20
U C M Umpire				6.90			9.80			
Non-Sulphide				.20			.24			.20 .24
Settlement Assay	.021	6.5	.10	6.70	24.8	3.8	9.56	8.60	14.10	

CAR NOS.	WET WEIGHT
UP 62770	104720
UP 66237	107220
UP 63015	109180
UP 66340	104800
UP 63619	104700
Total Wet Weight	
Sacks	
Net Weight	530620
Less H_2O 2.6 %	13796

METAL VALUE		
Gold 100% @ 22.4613		47
Silver 70 % @ 90.0	4	10
Copper (		
Lead (	10	01
Zinc	6	07
Gross Value	20	65
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	516824	Payment for	258.412	tons @	17 20	per ton	4444.69
Freight advanced @	$1.56	per ton				413.88	
Federal Tax 3%						12.42	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				8.00	
Hauling Charges							
Royalty 5% of $4003.39 Treasurer of the United States, c/o W.E.King Executive Officer, MMA, 224 New Customhouse, Denver 2, Colorado						200.17	641 47
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3803 22

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

224 New Customhouse
Denver 2, Colorado

April 14, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Docket No. 1 & 1A, Contract No. E4, Chief Consolidated Mining Company, Utah

Enclosed are copies of settlement sheets covering ore shipped under Lot Nos. 127 GPU and 128 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $307.14 in payment of royalty on these shipments as follows:

Lot No. 127 GPU ----------	$263.37
Lot No. 128 GPU ----------	43.77
	$307.14

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

April 14, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Docket No. 1 & 1A, Contract No. E4, Chief Consolidated Mining Company, Utah

Enclosed are copies of settlement sheets covering ore shipped under Lot Nos. 127 GPU and 128 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $307.14 in payment of royalty on these shipments as follows:

Lot No. 127 GPU ----------	$263.37
Lot No. 128 GPU ----------	43.77
	$307.14

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, April 12, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 127 CCU Gold License No.

Sampled by Fidvala Received 4-3-54 Sampled 4-6-54 Assayed 4-7-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.333 Zinc 9.992

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cd	PER CENT Mn
U. S. S. R. & M. Co.	.02	8.10	-	8.70			10.30			.20	.20
[illegible]	.03	8.40	.20	8.70			10.50			.30	.20
Umpire				8.70 avg.			10.40 avg.				
Non-Sulphide				.25			.20			.25	.20
Settlement Assay	.025	8.25	.10	8.45	28.0	4.20	10.20	8.8	12.3		

CAR NOS.	WET WEIGHT
UP 69919	104160
UP 65284	100000
UP 63170	107480
UP 64382	123480
UP 64815	104280
Total Wet Weight	
Sacks	
Net Weight	539400
Less H_2O 2.3 %	12406

METAL VALUE		
Gold 100% @ 22.4013		56
Silver 70 % @ 90.0	5	20
Copper (		
Lead (	12	98
Zinc	6	53
Gross Value	25	27
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 526994	Payment for 263.497 tons @	21	82	per ton		5749.50	
Freight advanced @ $1.71 per ton					461.19		
Federal Tax 3%					13.84		
Assay Charges					7.00		
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $5267.47 Treasurer of the United States, c/o E.J.King Executive Officer, UMWA, 224 Kar Custorbruce, Denver 2, Colorado					263.37	765	40
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						5004	10

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, April 12, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Daly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 128-CFU Gold License No.

Sampled by Michele Received 4-3-54 Sampled 4-6-54 Assayed 4-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.333 Zinc 9.992

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CARBONATE
U. S. S. R. & M. Co.	.02	8.5	-	8.0			8.6			.77 .27
B & T	.025	8.7	.20	8.3			8.7			.50 .20
Umpire				8.15 avg.			8.65 avg.			
Non-Sulphide				.64			.24			.64 .24
Settlement Assay	.0225	8.6	.10	7.51	25.6	3.7	8.41	8.0	14.20	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
UP 65768		Gold 100% @ 22.4613		51	Treatment Base 30% Lead	3	95
		Silver 70 % @ 90.0	5	42	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	11	45	Insoluble		
		Zinc	5	26	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	104480	Gross Value	27	64	Iron Credit		
Less H_2O 2.8 %	2926	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 101554	Payment for 50.777	tons @	19 19	per ton	974.41
Freight advanced @ $1.71	per ton			89.33	
Federal Tax 3%				2.68	
Assay Charges				7.00	
Sampling or Watching Charges					
Hauling Charges					
Royalty 5% of $875.40 Treasurer of the United States, c/o L.E.King				43.77	142 76
Executive Officer, DMA, 224 Sam Customhouse, Denver 2, Colorado					
				Amount Withheld Pending Receipt of Silver Affidavit	
				Net Payment	831 63

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

224 New Customhouse
Denver 2, Colorado

April 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 125 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $234.37 in payment of royalty on this shipment.

W. H. King

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

April 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 125 CPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $234.37 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706 -

Salt Lake City, Utah, April 9, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
St. Tooele, Utah

Ore Crude Lot No. 125 CPU Gold License No.

Sampled by McVele Received 4-3-54 Sampled 4-6-54 Assayed 4-7-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.333 Zinc 9.990

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxidized	
U. S. S. R. & M. Co.	.02	7.20	-	7.50			9.80			.53	.26
D & D	.025	7.50	.20	7.80			10.10			.30	.15
Umpire				7.65 avg.			9.95 avg.				
Non-Sulphide				.42			.22			.42	.22
Settlement Assay	.0225	7.35	.10	7.23	26.80	4.50	9.73	8.90	12.8		

CAR NOS.	WET WEIGHT
UP 64364	100700
UP 66201	103020
UP 65938	104400
UCR 20486	121170
UCR 20986	129720
Total Wet Weight	
Sacks	
Net Weight	566960
Less H_2O 2.6 %	14740

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	4	63
Copper (		
Lead (	10	93
Zinc	6	19
Gross Value	22	26
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concentrates		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	552220	Payment for	276.110	tons @	18 81	per ton	5193.63
Freight advanced @	$1.71	per ton				454.75	
Federal Tax 3%						14.54	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $4687.34 Treasurer of the United States, c/o U.S.Bureau Executive Officer, MSA, 224 New Customhouse, Denver 2, Colorado						234.37	710 66
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4457 97

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

Unassorted
Betty

224 New Customhouse
Denver 2, Colorado

April 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are copies of the following settlement sheets covering ore shipped by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company:

Lot No. 123 GPU	$216.58
Lot No. 124 GPU	173.68
	$390.26

Also enclosed is check in the amount of $390.26 in payment of royalty on these shipments.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

April 13, 1954

Memorandum

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From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

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W. H. King
W. H. King

Enclosures

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cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM CO. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, April 8, 1954

Purchased From Chief Consolidated Mining Company

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

Ft. Eureka, Utah

Ore Crude Lot No. 123 CFU Gold License No.

Sampled by Midvale Received 3-27-54 Sampled 3-31-54 Assayed 4-1-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.02	7.10	-	7.60			9.20			.20	.23
B & D	.03	7.30	.20	7.80			9.80			.25	.15
D & U Umpire				7.70 avg.			9.20				
Non-Sulphide				.23			.19			.23	.19
Settlement Assay	.025	7.20	.10	7.47	27.60	4.30	9.01	8.90	13.0		

CAR NOS.	WET WEIGHT
UP 65808	112260
UP 63684	112280
UP 62995	108540
UP 66600	105040
UP 64316	112100
Total Wet Weight	
Sacks	
Net Weight	550220
Less H_2O 2.9 %	15956

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70% @ 90.0	4	54
Copper (		
Lead (	10	88
Zinc	5	54
Gross Value	21	52
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	534264	Payment for	267.132	tons @	18	07	per ton 4827.08
Freight advanced @	$1.71	per ton					470.44
Federal Tax 3%							14.11
Assay Charges							7.00
~~Sampling or Watching Charges~~ Umpire Charge							4.00
Hauling Charges							
Royalty 5% of $4331.53 Treasurer of the United States, c/o .E.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							216.58 712 13
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4114 95

C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, April 8, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah
Or Eureka, Utah

Ore Crude Lot No. 124,040 Gold License No.

Sampled by Hievale Received 3-30-54 Sampled 4-1-54 Assayed 4-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orth Orth
U. S. S. R. & M. Co.	.022	6.50	-	6.40			8.70			.20 .28
B & D	.020	6.50	.20	7.00			9.00			.25 .15
C & K Umpire				6.20			8.85 ave.			
Non-Sulphide				.23			.22			.23 .22
Settlement Assay	.021	6.50	.10	6.17	27.30	4.3	8.63	8.5	13.6	

CAR NOS.	WET WEIGHT
UGR 20194	109240
UP 62827	103260
UP 62174	110240
UP 62472	104100
UP 64167	102660
Total Wet Weight	
Sacks	
Net Weight	529500
Less H_2O 2.9 %	15356

METAL VALUE		
Gold 100% @ 22.4643		47
Silver 70% @ 90.0	4	10
Copper		
Lead	8	81
Zinc	5	28
Gross Value	18	66
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	514144	Payment for	257.072	tons @	15 21	per ton	3910.07
Freight advanced @	$1.56	per ton				413.01	
Federal Tax 3%						12.39	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $3473.67 Treasurer of the United States, c/o U.S. Mint Executive Officer, DMA, 224 New Customhouse, Denver 2, Colorado						173.68	610 08
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment		3299 99

Enclosed
Betty

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

224 New Customhouse
Denver 2, Colorado

April 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 3 GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $68.73 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

April 13, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 3 GPUS-DMPA by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $68.73 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, April 7, 1954

Purchased From Chief Consolidated Mining Company

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

Pt Eureka, Utah

Ore Crude Lot No. 3 CFUB-MFA Gold License No.

Sampled by Hidvalo Received 3-26-54 Sampled 3-30-54 Assayed 3-31-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaMgO	PER CENT [illegible]
U. S. S. R. & M. Co.	.015	5.70	.08	10.70			11.80			1.37	.23
B & D	.020	5.90	.20	10.70			12.40			1.50	.10
Union Umpire				10.70 avg.			12.14				
Non-Sulphide				1.44			.17			1.44	.17
Settlement Assay	.0175	5.80	.14	9.26	18.0	3.4	11.97	9.2	14.5		

CAR NOS.	WET WEIGHT
RG 46019	
Total Wet Weight	
Sacks	
Net Weight	136260
Less H_2O 2.0 %	2726

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70 % @ 90.0	3	65
Copper (		
Lead (	14	25
Zinc	7	65
Gross Value	25	94
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	133534	Payment for	66.767	tons @	22 49	per ton	1501.59
Freight advanced @	$1.71	per ton				116.50	
Federal Tax 3%						3.50	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $1374.59 Treasurer of the United States, c/o W.H.King						68.73	195 73
Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1305 86

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

224 New Customhouse
Denver 2, Colorado

April 9, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. DMA 1 & 1A, Contract No. E4, Utah

Enclosed are copies of settlement sheets covering ore shipped under Lot Nos. 120 GPU, 121 GPU, and 122 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $462.43 in payment of royalty on these shipments.

es

W. H. King

Enclosures
cc:
Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

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

224 New Customhouse
Denver 2, Colorado

April 9, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. DMA 1 & 1A, Contract No. E4, Utah

Enclosed are copies of settlement sheets covering ore shipped under Lot Nos. 120 GPU, 121 GPU, and 122 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $462.43 in payment of royalty on these shipments.

es

W. H. King

Enclosures
cc:
Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. O.

FORM C-77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, April 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
CP: Dugway, Utah

Ore Crude Lot No. 120 CPU Gold License No.

Sampled by Hivale Received 3-23-54 Sampled 3-25-54 Assayed 3-26-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.017	3.90	-	5.70			8.30			.20 .27
B & B	.020	4.30	.20	6.20			8.50			.20 .20
Union Umpire		4.28		5.60			8.40 avg.			
Non-Sulphide				.20			.24			.20 .24
Settlement Assay	.0185	4.28	.10	5.50	31.0	5.0	8.16	8.0	12.2	

CAR NOS.	WET WEIGHT
UP 65181	113120
UP 62073	111300
UP 65232	106760
UP 66469	106480
UP 64294	105540
Total Wet Weight	
Sacks	
Net Weight	543200
Less H_2O 3.2 %	17382

METAL VALUE		
Gold 100% @ 22.4643		42
Silver 70 % @ 90.0	2	70
Copper (		
Lead (	7	77
Zinc	4	96
Gross Value	15	85
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 525818 Payment for 262.909 tons @ 12 | 40 per ton 3260.07

Freight advanced @ $1.40 per ton	380.24	
Federal Tax 3%	11.41	
Assay Charges	7.00	
~~Sampling and Weighing Charges~~ Umpire Charge	4.00	
Hauling Charges		
Royalty 4% of $2857.42 Treasurer of the United States, c/o J. King Executive Officer, USSA, 224 New Customhouse, Denver 2, Colorado	114.30	516 95
Amount Withheld Pending Receipt of Silver Affidavit		
Net Payment	2743	12

FORM CO. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, April 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 121 CPU Gold License No.

Sampled by Midvale Received 3-23-54 Sampled 3-29-54 Assayed 3-30-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.02	5.70	-	7.00			8.70			.20 .15
B & D	.025	6.00	.20	7.40			8.80			.20 .20
D & B Umpire				7.20			8.75 avg.			
Non-Sulphide				.20			.18			.20 .18
Settlement Assay	.0225	5.85	.10	7.00	28.80	5.50	8.57	8.30	11.8	

CAR NOS.	WET WEIGHT
UP 65880	99580
UP 65185	110140
UP 62618	103980
UP 65966	88760
UP 62828	106620
Total Wet Weight	
Sacks	
Net Weight	509080
Less H_2O 3.2 %	16290

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70% @ 90.0	3	60
Copper (		
Lead (	10	12
Zinc	5	24
Gross Value	19	56
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrator		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 492730 Payment for 246.395 tons @ 16 11 per ton 3969.42

Freight advanced @ $1.56 per ton	397.08	
Federal Tax 3%	11.91	
Assay Charges	7.00	
~~Sampling and Watching Charges~~ Umpire Charge	2.00	
Hauling Charges		
Royalty 5% of $3551.43 Treasurer of the United States, a/o M.H.King Executive Officer, DMEA, 224 New Customhouse, Denver, Colorado	177.57	595 56
Amount Withheld Pending Receipt of Silver Affidavit		
Net Payment		3373 86

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, April 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Crude Lot No. 122 CPU Gold License No.

Sampled by Hiwelo Received 3-25-54 Sampled 3-29-54 Assayed 3-30-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.017	5.40	-	6.30			8.90			.20 .25
B & B	.025	5.70	.20	6.80			9.20			.20 .20
C & N Umpire				6.30			9.05 avg.			
Non-Sulphide				.20			.23			.20 .23
Settlement Assay	.021	5.55	.10	6.10	28.50	4.8	8.82	7.70	12.5	

CAR NOS.	WET WEIGHT
UP 63253	105200
UP 66080	108300
UP 66456	120340
UP 64406	103700
UP 62776	112100
Total Wet Weight	
Sacks	
Net Weight	549640
Less H_2O 3.9 %	21436

METAL VALUE		
Gold 100% @ 22.4643	47	
Silver 70% @ 90.0	3	50
Copper (		
Lead (	8	70
Zinc	5	41
Gross Value	18	08
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	528204	Payment for	264.102	tons @	14	63	per ton 3863.81
Freight advanced @	1.56	per ton					428.72
Federal Tax 3%							12.86
Assay Charges							7.00
~~Sampling or Washing Charges~~		Umpire Charge					4.00
Hauling Charges							
Royalty 5% of $3411.23 Treasurer of the United States, c/o U.M. King Executive Officer, 224 New Customhouse, Denver 2, Colorado							170.56 623 16
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3240 67

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

224 New Customhouse
Denver 2, Colorado

April 6, 1954

Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are copies of settlement sheets covering ore shipped under Lot Nos. 117 GPU and 119 GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $365.30 in payment of royalty on these shipments.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

M.C.O. 77-2

W O

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 31, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Or Eureka, Utah

Ore Crude Lot No. 117 CHC Gold License No.

Sampled by Hidvale Received 3-23-54 Sampled 3-25-54 Assayed 3-26-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orth/Ortho
U. S. S. R. & M. Co.	.017	8.50	-	8.30			7.10			.20 .28
D & D	.030	8.90	.20	8.50			7.20			.20 .20
Umpire				8.40 avg.			7.15 avg.			
Non-Sulphide				.20			.24			.20 .24
Settlement Assay	.0235	8.70	.10	8.20	30.6	6.10	6.91	8.80	11.80	

CAR NOS.	WET WEIGHT
UT 65783	96120
UT 65429	108140
UP 66627	101040
UP 65870	110000
UP 63238	107520
Total Wet Weight	
Sacks	
Net Weight	522820
Less H_2O 2.6 %	13594

METAL VALUE		
Gold 100% @ 22.4643		53
Silver 70 % @ 90.0	5	48
Copper		
Lead	12	08
Zinc	4	13
Gross Value	22	22
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	509226	Payment for	254.613	tons @	18 77	per ton	4779.09
Freight advanced @	$1.71	per ton				447.01	
Federal Tax 3						13.41	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $4311.67 Treasurer of the United States, c/o H. F. King						215.58	683 00
Executive Officer, ISA, 224 New Customhouse, Denver 2, Colorado							
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment		4096 09

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 31, 1954

Purchased From Chief Consolidated Mining Company

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

Mt. Eureka, Utah

Ore Crude Lot No. 119 CPU Gold License No.

Sampled by Midvale Received 3-22-54 Sampled 3-24-54 Assayed 3-25-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orib'x'n
U. S. S. R. & M. Co.	.02	5.70	-	5.90			7.10			.20 .18
B & D	.03	6.20	.20	6.20			7.40			.18 .10
Umpire				6.05 avg.			7.25 avg.			
Non-Sulphide				.19			.14			.10 .14
Settlement Assay	.025	5.95	.10	5.86	33.2	5.30	7.11	8.10	9.4	

CAR NOS.	WET WEIGHT
UP 65535	106760
UP 62416	101820
UP 62132	101540
UP 66462	104180
UP 62634	105160
Total Wet Weight	
Sacks	
Net Weight	519520
Less H_2O 3.3 %	17144

METAL VALUE		
Gold 100% @ 22.4613		56
Silver 70% @ 90.0	3	75
Copper (		
Lead (	8	32
Zinc	4	26
Gross Value	16	89
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	90
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		30
Total Debit	3	60
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	502376	Payment for	251.188	tons @	13 44	per ton	3375.97
Freight advanced @	$1.40	per ton				363.66	
Federal Tax 3%						10.91	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $2994.40 Treasurer of the United States, c/o U.S. Mint Executive Officer, IMA,224 New Customhouse, Denver 2, Colorado						149.72	521 29
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2844 68

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

Greenwalt
Betty

224 New Customhouse
Denver 2, Colorado

April 1, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Docket No. 1 & 1A, Contract No. E4, Chief Consolidated Mining Company, Utah

Enclosed are the following settlement sheets covering ore shipped by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company:

1 GPUS-DMPA	114-GPU
2 GPUS-DMPA	115-GPU
112-GPU	116-GPU
113-GPU	118-GPU

Also enclosed are the following checks in payment of these shipments:

1 GPUS-DMPA	$66.00	
112-GPU	282.12	
113-GPU	346.69	$694.81 Check #98952
2 GPUS-DMPA		$ 80.98 Check #99024
114 GPU	$327.78	
116 GPU	184.05	$511.83 Check #98971
115 GPU	$ 61.01	
118 GPU	208.35	$269.36 Check #98992

Enclosures
es

John F. Shaw
John F. Shaw
For W. H. King

cc: Royalty File
Sec. to the Oper. Comm. w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. O.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah

Ore Crude — Lot No. 1 CHU-11TA — Gold License No.

Sampled by Howle — Received 3-13-54 — Sampled 3-17-54 — Assayed 3-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.625 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orth Orth
U. S. S. R. & M. Co.	.017	5.80	-	11.20			17.60		1.63	.35
[illegible]	.020	5.70	.20	11.70			18.20		1.60	.20
[illegible] Umpire				11.50			18.00			
Non-Sulphide				1.62			.28		1.62	.28
Settlement Assay	.0185	5.75	.10	9.88	23.60	4.60	17.72	12.4	9.20	

CAR NOS.	WET WEIGHT
UP 63087	
Total Wet Weight	
Sacks	
Net Weight	111410
Less H_2O 1.7 %	1894

METAL VALUE			
Gold 100% @	22.4643		42
Silver 70 % @	90.0	3	62
Copper			
Lead		14	52
Zinc		11	15
Gross Value		29	71
Less Working Charge		3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 109546	Payment for 54.773	tons @	26	26	per ton	1438.34	
Freight advanced @ 21.94	per ton				108.10		
Federal Tax 3%					3.24		
Assay Charges					7.00		
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $1320.00 Treasurer of the United States, c/o U.S. King Executive Officer, USM, 224 New Customhouse, Denver 2, Colorado					66.00	184	34
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						1254	00

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 30, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Crude Lot No. 2 CPUS-UTPA Gold License No.

Sampled by McVale Received 3-19-54 Sampled 3-23-54 Assayed 3-24-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.015	5.8	-	12.00			12.10		2.27	.25
[illegible]	.020	6.1	.20	12.50			12.90		2.60	.20
Barchwell Umpire				12.50			12.20		2.70	
Non-Sulphide				2.60			.23		2.60	.23
Settlement Assay	.0175	5.95	.10	9.90	17.2	4.70	11.97	9.0	13.0	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RC 70321		Gold 100% @ 22.4643		39	Treatment Base 30% Lead	3	95
		Silver 70% @ 90.0	3	75	Credit Acc't Over 30% Pb.		
		Copper (			Debit Acc't Under 30% Pb.		
		Lead (	15	21	Insoluble		
		Zinc	7	66	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit e/c concession		50
Sacks					Total Debit	3	45
Net Weight	154620	Gross Value	27	01	Iron Credit		
Less H_2O 3.0 %	4638	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 149982	Payment for 74.991	tons @	23	56	per ton	1766.79
Freight advanced @ $1.71 per ton					132.20	
Federal Tax 3%					3.97	
Assay Charges					7.00	
~~Sampling or Washing Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $1619.62 Treasurer of the United States, c/o U.B.King Executive Officer, UPA, 224 New Customhouse, Denver 2, Colorado					80.98	228 15
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	1538 64

FORM C.O.,77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Tooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 112-CU Gold License No.

Sampled by Milvale Received 3-11-54 Sampled 3-16-54 Assayed 3-17-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.625 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]	
U. S. S. R. & M. Co.	.033	9.90	.05	11.30			11.0			.20	.25
[illegible]	.035	10.40	.20	11.90			11.3			.10	.10
[illegible] Umpire		10.27		11.40			11.15 ave.				
Non-Sulphide				.15			.18			.15	.18
Settlement Assay	.029	10.27	.13	11.25	32.6	7.20	10.97	11.50	7.80		

CAR NOS.	WET WEIGHT
UP 64949	101620
UP 64262	115720
UP 64256	119060
UP 66577	117140
Total Wet Weight	
Sacks	
Net Weight	453540
Less H_2O 3.2 %	14514

METAL VALUE		
Gold 100% @ 22.4143		65
Silver 80 % @ 90.0	7	39
Copper (		
Lead (	16	53
Zinc	6	57
Gross Value	31	14
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c correction		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 439026 Payment for 219.513 tons @ 27.69 per ton 6078.31

~~Freight advanced @~~ Additional pay account difference car UP 66753 from lot 111 CU and added to lot 112 CU 28 22

~~Assay Charges~~ Total Gross Proceeds 6106 53

~~Sampling or Watching Charges~~ Freight @ 1.94 439.93

~~Hoeling Charges~~ Federal Tax 3% 13.20

Assay Charge 7.00

Umpire Charge 4.00

Royalty 5 % of $5642.40 Treasurer of the United States, c/o U.S. Mint Executive Officer, M.L., 224 Federal Customhouse, Denver 2, Colorado 282.12 746 25

Amount Withheld Pending Receipt of Silver Affidavit

Net Payment 5360 28

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
Or: Eureka, Utah

Ore Crude Lot No. 113 CPU Gold License No.

Sampled by Michele Received 3-15-54 Sampled 3-17-54 Assayed 3-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.625 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oz./Ton
U. S. S. R. & M. Co.	.032	9.90	.05	11.00			10.7			.20 .27
[illegible]	.035	10.20	.20	11.60			11.2			.15 .15
Bardwell Umpire		10.27		11.30			10.95 avg.			
Non-Sulphide				.18			.21			.16 .21
Settlement Assay	.0335	10.20	.13	11.12	36.40	7.70	10.74	12.0	6.4	

CAR NOS.	WET WEIGHT
UP 64408	117900
UP 62485	113020
UP 66596	112920
UP 66037	121200
UP 62860	95720
Total Wet Weight	
Sacks	
Net Weight	560760
Less H_2O 2.3 %	12896

METAL VALUE		
Gold 100% @ 34.4643		75
Silver 80 % @ 90.0	7	34
Copper		
Lead	16	34
Zinc	6	41
Gross Value	30	84
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concentrate		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 547862	Payment for 273.931 tons @ 27 39 per ton			7502.97	
Freight advanced @ 51.94 per ton			513.94		
Federal Tax 3%			16.32		
Assay Charges			7.00		
~~Sampling or Weighing Charges~~ Umpire Charge			2.00		
Hauling Charges					
Royalty 5 of $6933.71 Treasurer of the United States, c/o U.S.M.&M. Co. Executive Officer, MMA, 224 New Customhouse, Denver 2, Colorado			346.67	915	95
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment				6507	02

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

0 706

Salt Lake City, Utah, March 26, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 114 CPU Gold License No.

Sampled by Midvale Received 3-15-54 Sampled 3-19-54 Assayed 3-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.625 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Crit Ozin
U. S. S. R. & M. Co.	.025	8.40	.05	9.5			9.60			.20 .27
D & D	.035	8.50	.20	9.7			9.70			.10 .10
Umpire				9.60 avg.			9.65 avr.			
Non-Sulphide				.15			.19			.15 .19
Settlement Assay	.030	8.45	.13	9.45	29.00	8.3	9.46	10.9	6.8	

CAR NOS.	WET WEIGHT
UP 65629	115340
UP 62675	110960
UP 63089	111400
UP 63833	104360
UP 65055	112560
UP 62144	118360
Total Wet Weight	
Sacks	
Net Weight	673000
Less H_2O 2.1 %	14134

METAL VALUE		
Gold 100% @ 22.4643		67
Silver 70 % @ 90.0	5	32
Copper (		
Lead (	13	63
Zinc	5	55
Gross Value	25	17
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	658266	Payment for	329.433	tons @	21	72	per ton 7155.28
Freight advanced @	1.71	per ton					575.42
Federal Tax 3%							17.26
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $6555.60 Treasurer of the United States, c/o U.S. Ring Executive Officer, U.S., 224 New Customhouse, Denver 2, Colorado							327.78 927 46
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							6227 82

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 29, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Boyle Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 115 GD Gold License No.

Sampled by Eureka Received 3-18-54 Sampled 3-22-54 Assayed 3-23-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Gold Silver
U. S. S. R. & M. Co.	.012	4.30	–	4.90			6.50			.20 .18
B & D	.020	4.30	.20	5.60			6.70			.20 .10
Hardwell Umpire				5.20			6.60 avg.			
Non-Sulphide				.20			.14			.20 .14
Settlement Assay	.016	4.30	.10	5.00	32.10	4.60	6.46	6.80	13.70	

CAR NOS.	WET WEIGHT
BG 47429	127680
DT 72535	162100
BG 46268	130920
BG 46768	123840
Total Wet Weight	
Sacks	
Net Weight	544540
Less H_2O 2.5 %	13614

METAL VALUE		
Gold 100% @22.4413		36
Silver 70 % @ 90.0	2	71
Copper		
Lead	7	02
Zinc	3	83
Gross Value	13	92
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit o/c concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	530926	Payment for	265.463	tons @ 10 47	per ton	2779.40
Freight advanced @	1.17	per ton			310.56	
Federal Tax 3%					9.56	
Assay Charges					7.00	
Sampling or Watching Charges		Umpire Charge			4.00	
Hauling Charges						
Royalty 2½ of $2440.28 Treasurer of the United States, c/o U.S. Bing Executive Officer, MEA, 224 New Customhouse, Denver 2, Colorado					61.01	400 33
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						2379 27

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 26, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

SP: Eureka, Utah

Ore Crude Lot No. 116 CPU Gold License No.

Sampled by Michela Received 3-16-54 Sampled 3-19-54 Assayed 3-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.625 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbon
U. S. S. R. & M. Co.	.022	6.80	-	7.20			8.10			.20 .28
B & D	.030	6.90	.20	7.70			8.40			.20 .15
C & P. Umpire				7.10			8.25 avr.			
Non-Sulphide				.20			.22			.20 .22
Settlement Assay	.026	6.85	.10	7.00	30.6	6.10	8.03	9.10	7.6	

CAR NOS.	WET WEIGHT
UP 65462	110400
UP 66615	104620
UP 66127	109560
UP 66555	109960
UP 64061	100900
Total Wet Weight	
Sacks	
Net Weight	535440
Less H_2O 2.3 %	12316

METAL VALUE		
Gold 100% @22.4613		58
Silver 70 % @ 90.0	4	32
Copper (		
Lead (	9	69
Zinc	4	62
Gross Value	19	21
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	523124	Payment for	261.562	tons @	15 76	per ton 4123.22
Freight advanced @	1.56	per ton				417.64
Federal Tax 3%						12.53
Assay Charges						7.00
~~Sampling or Watching Charges~~ Umpire Charge						4.00
Hauling Charges						
Royalty 5% of $3681.05 Treasurer of the United States, c/o U.F.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						184.05 625 22
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3497 00

FORM C.Q. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 29, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Or: Eureka, Utah

Ore Crude Lot No. 118 CMB Gold License No.

Sampled by Widvale Received 3-18-54 Sampled 3-23-54 Assayed 3-24-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Gold Zn
U. S. S. R. & M. Co.	.02	8.40	.05	7.90			7.30			.20 .18
D & D	.035	8.60	.20	8.60			8.00			.15 .10
C & N Umpire				8.10			7.00			
Non-Sulphide				.18			.14			.18 .14
Settlement Assay	.0275	8.50	.13	7.92	32.4	6.0	7.16	8.0	11.40	

CAR NOS.	WET WEIGHT
UP 65614	102720
UP 66581	110960
UP 62310	111700
UP 64084	99360
UP 63599	94200
Total Wet Weight	
Sacks	
Net Weight	518940
Less H_2O 3.2 %	16606

METAL VALUE		
Gold 100% @ 20.4613		62
Silver 70 % @ 90.0	5	36
Copper		
Lead	11	65
Zinc	4	29
Gross Value	21	92
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	502334	Payment for	251.167	tons @	18 47	per ton	4639.05
Freight advanced @	1.71	per ton				443.69	
Federal Tax 3%						13.31	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				8.00	
~~Hauling Charges~~		Royalty 5% of $4167.05 Treasurer of the United States				208.35	680 35
c/o W.H.King, Executive Officer, IMEA, 224 New Customhouse, Denver 2, Colorado							
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment		3958 70

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

224 New Customhouse
Denver 2, Colorado

March 25, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 111 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $377.54 in payment of royalty on this shipment.

John F. Shaw
John F. Shaw
For W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 23, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
: Eureka, Utah

Ore Crude Lot No. 111 CMU Gold License No.

Sampled by Midvale Received 3-11-54 Sampled 3-16-54 Assayed 3-17-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.625 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.025	9.0	.08	10.10			9.7			.57 .25
B & D	.035	9.5	.20	10.50			10.0			.10 .10
B & D Umpire				10.20			9.85 avg.			.18
Non-Sulphide				.18			.18			.18 .18
Settlement Assay	.030	9.25	.14	10.02	36.40	7.0	9.67	10.00	7.80	

CAR NOS.	WET WEIGHT
UP 60137	117580
UP 64943	125160
UP 66753	115540
UP 66305	116240
UP 62137	113800
DSP 21416	131200
Total Wet Weight	
Sacks	
Net Weight	719540
Less H_2O 2.4 %	17268

METAL VALUE		
Gold 100% @ 22.4643		67
Silver 70 % @ 90.0	5	83
Copper (		
Lead (	14	60
Zinc	5	69
Gross Value	26	79
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concentrator		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	702272	Payment for	351.136 tons @	23	34	per ton	8195.51
Freight advanced @	1.71	per ton				615.21	
~~Federal Tax 3%~~						18.46	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $7550.84 Treasurer of the United States, c/o E. E. King Executive Officer, NPA, 224 Post Customhouse, Denver 2, Colorado						377.54	1022 21
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							7173 30

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

224 New Customhouse
Denver 2, Colorado

March 24, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are copies of settlement sheets covering ore shipped under Lot Nos. 108 GPU and 110 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $447.52 in payment of royalty on these shipments.

for John F. Shaw
W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. O.

FORM G.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 22, 1954

Purchased From Chief Consolidated Mining Company

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

Mt. Eureka, Utah

Ore Crude Lot No. 108 GRU Gold License No.

Sampled by Mevale Received 3-8-54 Sampled 3-12-54 Assayed 3-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.50 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Gold & Zn
U. S. S. R. & M. Co.	.025	5.90	-	6.40			9.0			.43 .45
D & D	.035	6.30	.20	7.00			9.3			.30 .40
C & E Umpire				6.45			9.15 avg.			
Non-Sulphide				.37			.43			.37 .43
Settlement Assay	.030	6.10	.10	6.08	38.40	6.40	8.72	10.0	8.9	

CAR NOS.	WET WEIGHT
UP 62510	108800
UP 62386	102120
UP 66347	104160
UP 62821	106360
DER 21187	118360
Total Wet Weight	
Sacks	
Net Weight	539820
Less H_2O 3.0 %	16194

METAL VALUE		
Gold 100% @ 22.4643		67
Silver 70% @ 90.0	3	84
Copper (		
Lead (	8	21
Zinc	5	08
Gross Value	17	80
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	523626	Payment for	261.813	tons @	14 35	per ton 3757.02
Freight advanced @	1.56	per ton			421.06	
Federal Tax 3%					12.63	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $3312.33 Treasurer of the United States, c/o W.H.King Executive Officer, IRS, 224 New Customhouse, Denver 2, Colorado					165.62	610 31
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3146 71

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 22, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

SP: Eureka, Utah

Ore Crude Lot No. 110 CPU Gold License No.

Sampled by Fidvale Received 3-11-54 Sampled 3-15-54 Assayed 3-16-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.625 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Sulphur
U. S. S. R. & M. Co.	.025	8.20	.05	9.3			9.10			.20 .33
F & D	.035	8.50	.20	10.00			9.30			.15 .15
Bardwell Umpire				9.8			9.20 avg.			
Non-Sulphide				.18			.24			.18 .24
Settlement Assay	.030	8.35	.13	9.62	36.10	7.3	8.96	10.70	8.20	

CAR NOS.	WET WEIGHT
UCR 21909	121140
UP 66478	114440
UP 65450	116860
UP 64232	114720
UP 64524	119900
Total Wet Weight	
Sacks	
Net Weight	587060
Less H_2O 2.9 %	17024

METAL VALUE		
Gold 100% @ 22.4643		67
Silver 70% @ 90.0	5	26
Copper		
Lead	13	91
Zinc	5	23
Gross Value	25	07
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concessio		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	570036	Payment for	285.018	tons @	21	62	per ton 6162.09
Freight advanced @	1.71	per ton				501.94	
Federal Tax 3%						15.06	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of 25630.09 Treasurer of the United States, c/o U.M.Ring Executive Officer, UMA, 224 New Customhouse, Denver 2, Colorado						281.90	805 90
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5356 19

[illegible] OF THE UNIVERSITY
Legislative Library & Administrative Reference
DEC 26 1954

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

Department of the Interior
Defense Minerals Administration
RECEIVED
MAR 24 1954

224 New Customhouse
Denver 2, Colorado

March 22, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah.

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 109 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $115.81 in payment of royalty on this shipment.

John F. Shaw
For W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM G.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 19, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 109 CPU Gold License No.

Sampled by Midvale Received 3-8-54 Sampled 3-11-54 Assayed 3-12-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.50 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonates
U. S. S. R. & M. Co.	.025	9.70	.05	8.80			8.90			.20 .27
D & H	.035	10.20	.20	9.60			9.30			.15 .10
D & H Umpire		10.17		9.20			9.10 avg.			
Non-Sulphide				.18			.19			.18 .19
Settlement Assay	.030	10.17	.13	9.02	42.4	7.3	8.91	10.8	6.8	

CAR NOS.	WET WEIGHT
UP 63605	114360
UP 64297	115580
Total Wet Weight	
Sacks	
Net Weight	229940
Less H_2O 2.2 %	5058

METAL VALUE		
Gold 100% @22.4643		67
Silver 80 % @ 90.0	7	32
Copper (		
Lead (	12	75
Zinc	5	19
Gross Value	25	93
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c Concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	224882	Payment for	112.441	tons @	22 48	per ton	2527.67
Freight advanced @	$1.71	per ton				196.60	
Federal Tax 3%						5.90	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				2.00	
Hauling Charges							
Royalty 5% of $2316.17 Treasurer of the United States, c/o W.H.King Executive Officer, IUMA, 224 New Customhouse, Denver 2, Colorado						115.81	327 31
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2200 36

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

Defense Minerals Administration
MAR 24 1954

224 New Customhouse
Denver 2, Colorado

March 22, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are copies of settlement sheets covering ore shipped under Lot Numbers 99 GPU, 103 GPU, 104 GPU, 105 GPU, 106 GPU and 107 GPU, by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $880.34 in payment of royalty on these shipments.

John F. Shaw
For W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. O.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706 Adjustment account Silver Key

Salt Lake City, Utah, March 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah

Gri Jurcke, Utah

Ore Crude Lot No. 99 GRU Gold License No.

Sampled by Ulcwle Received 2-20-54 Sampled 2-24-54 Assayed 2-25-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.35

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.025	12.0	-	11.20			11.0			.20 .13
D & D	.035	12.3	.20	11.70			11.5			.20 .20
Barwell Umpire				11.50			11.25 avg.			
Non-Sulphide				.20			.17			.20 .17
Settlement Assay	.030	12.15	.10	11.30	35.20	6.60	11.08	11.6	7.5	

CAR NOS.	WET WEIGHT
UP 62907	105680
UP 60016	118820
UP 66130	113700
UP 64346	107240
UP 64750	103960
Total Wet Weight	
Sacks	
Net Weight	548980
Less H_2O 2.9 %	15920

METAL VALUE		
Gold 100% @ 22.4613	67	
Silver 80 % @ 90.0	8	75
Copper		
Lead	17	20
Zinc	6	71
Gross Value	33	41
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c Concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	533060	Payment for	266.530	tons @	29 96	per ton 7985.24
Freight advanced @	$1.94	per ton				532.51
Federal Tax 3%						15.98
Assay Charges						7.00
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $7429.75 Treasurer of the United States, c/o U.S. Mint, Executive Officer, [illegible], 226 Post Customhouse, Denver 2, Colorado					371.49	371.49 926 98
Royalty Paid					356.83	
Additional Royalty					14.66	
TOTAL NET PROCEEDS						7058 26
LESS PRIOR SETTLEMENT					Amount Withheld Pending Receipt of Silver Affidavit	6779 74
					THIS PROCEEDS FINAL Net Payment	278 52

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Ft. Eureka, Utah

Ore Crude Lot No. 103 Gold License No.

Sampled by Lowle Received 3-2-54 Sampled 3-5-54 Assayed 3-6-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.50 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxi	PER CENT Oxi
U. S. S. R. & M. Co.	.017	9.1	-	6.4			7.8			.20	.35
D & D	.03	9.3	.20	6.9			8.2			.15	.10
Burdwell Umpire				6.7			8.0 avg.				
Non-Sulphide				.18			.23			.18	.23
Settlement Assay	.0235	9.2	.10	6.52	34.4	6.1	7.77	9.3	10.8		

CAR NOS.	WET WEIGHT
UP 65760	102620
UP 63015	98260
UP 63940	96040
UP 62836	108740
UP 63568	99820
Total Wet Weight	
Sacks	
Net Weight	505500
Less H_2O 2.3 %	11626

METAL VALUE		
Gold 100% @ 34.4643		53
Silver 70 % @ 90.0	5	80
Copper		
Lead	8	82
Zinc	4	46
Gross Value	19	61
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c Concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	493874	Payment for	246.937	tons @ 16 16	per ton	3990.50
Freight advanced @	1.71	per ton			432.20	
Federal Tax 3%					12.97	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of 3538.33 Treasurer of the United States, c/o U. S. Mint					176.92	629 09
Executive Officer, [illegible], 224 New Customhouse, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3361 41

Department of the Interior
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MAR 24 1958

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

766

Salt Lake City, Utah, March 15, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 104 CSC Gold License No.

Sampled by Hewlo Received 3-2-54 Sampled 3-5-54 Assayed 3-6-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.50 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.02	7.1	-	6.3			8.1			.27 .37
B & T	.03	7.3	.20	6.8			8.0			.15 .10
Union Umpire				6.5			8.22			
Non-Sulphide				.21			.24			.21 .24
Settlement Assay	.025	7.2	.10	6.79	35.0	6.3	7.98	9.2	10.5	

CAR NOS.	WET WEIGHT
UP 64179	101100
UP 66631	95440
UP 64267	97880
UP 60057	100120
UP 66518	100980
Total Wet Weight	
Sacks	
Net Weight	495520
Less H_2O 2.3 %	11396

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70 % @ 90.0	4	54
Copper	(	
Lead	8	49
Zinc	4	59
Gross Value	18	18
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
~~Credit c/o Concentrates~~		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	484124	Payment for	242.062	tons @	14	73	per ton 3565.57
Freight advanced @	1.56	per ton					306.51
Federal Tax 3%							11.60
Assay Charges							7.00
~~Sampling or Watching Charges~~ Umpire Charge							8.00
Hauling Charges							
Royalty 5% of $3152.46 Treasurer of the United States, c/o U.S. Mint, Executive Officer, TSA, 224 Post Customhouse, Denver 2, Colorado							157.62 570 73
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2994 84

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

Ore Crude Lot No. 105 CTC Gold License No.

Sampled by Milvale Received 3-4-54 Sampled 3-8-54 Assayed 3-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.50 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbon
U. S. S. R. & M. Co.	.022	9.8	-	8.9			9.2			.20 .25
B & D	.035	10.1	.20	9.4			9.5			.15 .25
C & T Umpire		9.97		8.9			9.35	avr.		
Non-Sulphide				.18			.20			.18 .20
Settlement Assay	.0285	9.97	.10	8.72	34.4	6.7	9.15	10.4	9.1	

CAR NOS.	WET WEIGHT
UP 64574	100680
UP 62238	101680
UP 64501	97200
UP 62448	93420
UF 63910	105080
Total Wet Weight	
Sacks	
Net Weight	498060
Less H_2O 1.9 %	9464

METAL VALUE		
Gold 100% @ 22.443		64
Silver 70 % @ 90.0	6	28
Copper (		
Lead (	12	22
Zinc	5	35
Gross Value	24	49
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o Concentrate		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	488596	Payment for	244.298	tons @	21 04	per ton	5140.03
Freight advanced @	$1.71	per ton				425.84	
Federal Tax 3%						12.78	
Assay Charges						7.00	
~~Sampling or Weighing Charges~~		Duplex Charge				8.00	
Hauling Charges							
Royalty 5% of $4686.41 Treasurer of the United States, c/o U.S. Ping Executive Officer, TVA, 224 Fed Customhouse, Denver 2, Colorado						234.32	657 94
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4452 09

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 15, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 106 CPC Gold License No.

Sampled by Hidalo Received 3-4-54 Sampled 3-8-54 Assayed 3-9-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.50 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Mn	PER CENT CaO/n
U. S. S. R. & M. Co.	.02	7.6	-	7.1			8.0			.20	.24
B & P	.025	8.0	.20	7.3			8.2			.20	.20
Umpire				7.2 avg.			8.1 avg.				
Non-Sulphide				.20			.20			.20	.22
Settlement Assay	.0225	7.8	.10	7.0	33.2	6.1	7.88	9.3	10.6		

CAR NOS.	WET WEIGHT
UP 65755	100840
UP 63046	1[illegible]086[illegible]
UP 62297	97060
Total Wet Weight	
Sacks	
Net Weight	298760
Less H_2O 2.0 %	5976

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	4	91
Copper (		
Lead (	9	55
Zinc	4	53
Gross Value	19	50
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c Concentration		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	297724	Payment for	146.392	tons @	16 05	per ton	2349.59
Freight advanced @	1.56	per ton				233.03	
Federal Tax 3%						6.99	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $2107.57 Treasurer of the United States, c/o U.S. Mint Executive Officer, DMEA, 224 Pay Customhouse, Denver 2, Colorado						105.13	352 15
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1997 44

Science Library
MAR 24 1954

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

708

Salt Lake City, Utah, March 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 107 CPU Gold License No.

Sampled by Hivelo Received 3-4-54 Sampled 3-8-54 Assayed 3-9-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.50 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Arbitration
U. S. S. R. & M. Co.	.027	8.5	-	7.0			8.3			.20 .25
[illegible]	.03	9.1	.20	7.4			8.5			.15 .15
[illegible] Umpire		8.77		7.4			8.4 ave.			
Non-Sulphide				.18			.20			.18 .20
Settlement Assay	.0285	8.77	.10	7.22	33.2	6.5	8.2	10.2	10.0	

CAR NOS.	WET WEIGHT
UP 64804	107040
UP 62760	93780
UP 63737	100260
UP 64338	102360
UP 62708	100580
Total Wet Weight	
Sacks	
Net Weight	504020
Less H_2O 1.8 %	9072

METAL VALUE		
Gold 100% @ 22.4663		04
Silver 70 % @ 90.0	5	53
Copper		
Lead	9	08
Zinc	4	73
Gross Value	20	78
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c Concession		10
Total Debit	3	15
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	494948	Payment for	247.474	tons @	17 33	per ton	4288.72
Freight advanced @	1.71	per ton				430.94	
Federal Tax 3%						12.93	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						4.00	
Hauling Charges							
Royalty 5% of $3833.85 Treasurer of the United States, c/o U.S. Bldg Executive Officer, DMA, 224 Fed Customhouse, Denver 2, Colorado						191.69	646 56
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3642 16

Partido Liberal Nacional
Bloque Liberal Argentino
Mendoza
1955

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

224 New Customhouse
Denver 2, Colorado

March 12, 1954

Approved
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Attached are copies of settlement sheets covering ore shipped under Lot Nos. 101 GPU and 102 GPU by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $406.29 in payment of royalty on these shipments.

W. H. King

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

C.O. 7-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 8, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
Mt. Eureka, Utah

Ore Crude Lot No. 101 CSU Gold License No.

Sampled by Hidvalo Received 2-25-54 Sampled 2-27-54 Assayed 3-1-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.50 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.03	6.3	.05	6.0			10.3			.20 .15
D & P	.03	6.3	.20	6.8			11.0			.15 .20
D & P Umpire				6.5			10.7			
Non-Sulphide				.18			.18			.18 .18
Settlement Assay	.03	6.3	.13	6.32	33.8	7.2	10.52	12.2	8.9	

CAR NOS.	WET WEIGHT
UP 66374	98660
UP 64076	95440
UP 66033	108940
UP 62980	110640
UP 62029	99020
Total Wet Weight	
Sacks	
Net Weight	512700
Less H_2O 1.9 %	9742

METAL VALUE		
Gold 100% @ 22.4643		67
Silver 70 % @ 90.0	3	97
Copper		
Lead	8	57
Zinc	6	26
Gross Value	19	47
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c correction		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 502958	Payment for 251.479	tons @	16	02	per ton	4028.69
Freight advanced @ 1.71	per ton				438.36	
Federal Tax 3%					13.15	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $3570.18 Treasurer of the United States, c/o W.W.King Executive Officer, UMA, 224 New Customhouse, Denver 2, Colorado					178.51	637 02
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3391 67

FORM C10.77-2

705

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 8, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Booly Building, Salt Lake City, Utah

Off: Eureka, Utah

Ore Crude Lot No. 102 CPU Gold License No.

Sampled by Midvale Received 2-24-54 Sampled 3-1-54 Assayed 3-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.35

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.022	8.0	.02	7.0			10.1			.57 .27
E & D	.03	8.5	.20	7.8			10.6			.15 .40
C & U Umpire				7.3			10.35 avg.			.13
Non-Sulphide				.15			.34			.15 .34
Settlement Assay	.026	8.25	.11	7.15	35.5	7.5	10.01	12.1	8.5	

CAR NOS.	WET WEIGHT
UP 64019	101800
UP 65198	129660
UP 64725	100780
UP 64518	113980
UP 63505	108840
Total Wet Weight	
Sacks	
Net Weight	555140
Less H_2O 2.5 %	13878

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70 % @ 90.0	5	20
Copper		
Lead	10	36
Zinc	5	99
Gross Value	22	13
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit c/o concentrate		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 541262 Payment for 270.631 tons @ 18 68 per ton 5055.39

Freight advanced @ 1.71 per ton	474.64		
Federal Tax 3%	14.24		
Assay Charges	7.00		
~~Sampling or Watching Charges~~ Umpire Charge	4.00		
Hauling Charges			
Royalty 5% of $4555.51 Treasurer of the United States, c/o W.E.King, Executive Officer, MPA, 224 New Customhouse, Denver 2, Colorado	227.78	727	66
Amount Withheld Pending Receipt of Silver Affidavit			
Net Payment		4327	73

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 10 1954

224 New Customhouse
Denver 2, Colorado

March 8, 1954

Approved
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Contract No. E4, Docket No. 1 & 1A, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 100 GPU.

Also enclosed is check in the amount of $222.04 in payment of royalty on this shipment.

W. H. King

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

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

224 New Customhouse
Denver 2, Colorado

March 8, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Contract No. E4, Docket No. 1 & 1A, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 100 GPU.

Also enclosed is check in the amount of $222.04 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SF: Eureka, Utah

Ore Crude Lot No. 100 CPU Gold License No.

Sampled by Midvale Received 2-25-54 Sampled 2-27-54 Assayed 3-1-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 12.50 Zinc 9.25

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxide Ox/m
U. S. S. R. & M. Co.	.03	9.80	.05	7.10			9.60			.23 .13
B & D	.03	10.00	.20	7.70			10.50			.15 .25
Union Umpire		9.87		7.60			10.12			
Non-Sulphide				.19			.19			.19 .19
Settlement Assay	.03	9.87	.13	7.41	36.80	7.20	9.93	11.70	8.00	

CAR NOS.	WET WEIGHT
BP 62184	107320
UP 64492	99760
UP 66247	100780
UP 66365	98200
UP 60025	110060
Total Wet Weight	
Sacks	
Net Weight	516120
Less H_2O 2.6 %	13420

METAL VALUE	
Gold 100% @ 2.4643	67
Silver 70 % @ 90.0	6 22
Copper (	
Lead (	10 22
Zinc	5 86
Gross Value	22 97
Less Working Charge	3 45

WORKING CHARGE	
Treatment Base 30% Lead	3 95
Credit Acc't Over 30% Pb.	
Debit Acc't Under 30% Pb.	
Insoluble	
Zinc Charge, excess over 6%	
Sulphur Charge, excess over 2%	
Arsenic Charge, excess over 2%	
Credit a/c Concession	50
Total Debit	3 45
Iron Credit	
Net Working Charge	

Dry Weight, lbs.	502700	Payment for 251.350 tons @	19 $2	per ton	4906.35	
Freight advanced @	1.71	per ton		441.28		
Federal Tax 3%				13.24		
Assay Charges				7.00		
Sampling or Watching Charges	Umpire Charge			4.00		
Hauling Charges						
Royalty 5% of $4440.83 Treasurer of the United States, c/o W.H.King, Executive Officer, UMA, 224 New Customhouse, Denver 2, Colorado				222.04	687	56
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					4218	79

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

224 New Customhouse
Denver 2, Colorado

March 5, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 99 GPU from Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $356.83 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, March 3, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude — Lot No. 90 GH — Gold License No.

Sampled by Milvolo — Received 2-20-54 — Sampled 2-24-54 — Assayed 2-25-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.35

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Cu
U. S. S. R. & M. Co.	.025	12.0	-	11.20			11.0			.20	.13
D & F	.035	12.3	.20	11.70			11.5			.20	.20
Bardwell Umpire				11.50			11.25 avg.				
Non-Sulphide				.20			.17			.20	.17
Settlement Assay	.030	12.15	.10	11.30	35.20	6.60	11.08	11.6	7.5		

CAR NOS.	WET WEIGHT
UP 62907	105680
UP 60016	118820
UP 66130	113280
UP 64346	107240
UP 64750	103960
Total Wet Weight	
Sacks	
Net Weight	548980
Less H_2O 2.9 %	15920

METAL VALUE		
Gold 100% @ 22.6643		67
Silver 70 % @ 90.0	7	65
Copper (		
Lead (	17	28
Zinc	6	71
Gross Value	32	31
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c corrocation		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 533060	Payment for 266.530	tons @	28	86	per ton	7622.06
Freight advanced @ 2.94	per ton				532.51	
Federal Tax 3%					15.96	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
~~Royalty 5% of $7136.57 Treasurer of the United States, c/o W. H. King Executive Officer, MRB, 224 New Customhouse, Denver 2, Colorado~~					356.83	912 32
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					6779	74

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

224 New Customhouse
Denver 2, Colorado

March 3, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Co., Docket No. 1 & 1A, Contract No. E4, Utah

Enclosed are copies of settlement sheets covering ore shipped under Lot Nos. 96 GPU, 97 GPU, and 98 GPU by Chief Consolidated Mining Company to United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $466.61 in payment of royalty on these shipments.

The following is a breakdown of the above check:

Lot No.	96 GPU	95.60
	97 GPU	218.43
	98 GPU	152.58
		$466.61

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W. H. King

Enclosures

L.O.

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 1, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Care Eureka, Utah

Ore Crude Lot No. 96 CPU Gold License No.

Sampled by Mickale Received 2-17-54 Sampled 2-19-54 Assayed 2-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxidized
U. S. S. R. & M. Co.	.03	6.40	tr	8.90			9.10			.20 .13
B & T	.04	6.30	.10	9.50			9.60			.15 .15
E. C. T. Umpire				9.30			9.35 avr.			
Non-Sulphide				.18			.14			.18 .14
Settlement Assay	.035	6.35	.05	9.12	39.0	6.9	9.21	11.20	8.70	

CAR NOS.	WET WEIGHT
UP 65343	108660
UP 60023	103780
Total Wet Weight	
Sacks	
Net Weight	212440
Less H_2O 2.9 %	6160

METAL VALUE		
Gold 100% @ 22.4643		79
Silver 70 % @ 90.0	4	00
Copper (		
Lead (	13	55
Zinc	5	53
Gross Value	23	87
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c Concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	206280	Payment for	103.140	tons @	20	42	per ton 2106.12
Freight advanced @	1.71	per ton					181.64
Federal Tax 3%							5.45
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $1912.03 Treasurer of the United States, c/o E.H.King Executive Officer, USM, 224 New Customhouse, Denver 2, Colorado							95.60 289 69
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1816 43

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 1, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
(P: Eureka, Utah)

Ore Crude Lot No. 97 CHU Gold License No.

Sampled by Hidvalo Received 2-17-54 Sampled 2-19-54 Assayed 2-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu Pb Zn
U. S. S. R. & M. Co.	.04	8.0	tr	7.30			8.50			.20 .11
D & D	.045	8.0	.10	7.60			9.10			.20 .15
Union Umpire				7.45 avg.			8.77			
Non-Sulphide				.20			.13			.20 .13
Settlement Assay	.0425	8.0	.05	7.25	36.6	7.0	8.64	10.4	8.9	

CAR NOS.	WET WEIGHT
UP 62778	111120
UP 63786	106740
UP 64770	108360
UP 63261	112420
UP 65159	112920
Total Wet Weight	
Sacks	
Net Weight	551560
Less H_2O 2.8%	15444

METAL VALUE		
Gold 100% @ 22.4643		95
Silver 70% @ 90.0	5	04
Copper (		
Lead (	10	46
Zinc	5	15
Gross Value	21	60
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit s/c Concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	536116	Payment for	268.058	tons @	18 15	per ton	4865.25
Freight advanced @	1.71	per ton				471.58	
Federal Tax 3%						14.15	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $4368.52 Treasurer of the United States, c/o U.S. Mint, Executive Officer, MMA, 224 New Customhouse, Denver, Colorado						218.43	715 16
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4150 09

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 1, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

Mt. Eureka, Utah

Ore Crude Lot No. 90 CFU Gold License No.

Sampled by Mowle Received 2-18-54 Sampled 2-20-54 Assayed 2-23-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.35

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carb. Oxi.
U. S. S. R. & M. Co.	.03	5.60	.05	5.80			7.30			.20 .11
B & D	.045	5.70	.20	6.20			7.70			.20 .20
C & M Umpire				5.80			7.50 avg.			
Non-Sulphide				.20			.16			.20 .16
Settlement Assay	.0375	5.65	.13	5.60	34.0	6.6	7.34	9.5	11.1	

CAR NOS.	WET WEIGHT
UP 64945	105120
UP 64592	107620
UP 64499	114640
UP 65912	109060
UP 66499	103720
Total Wet Weight	
Sacks	
Net Weight	540160
Less H_2O 2.8 %	15124

METAL VALUE		
Gold 100% @ 22.4643		84
Silver 70% @ 90.0	3	56
Copper (		
Lead (	7	97
Zinc	4	23
Gross Value	16	60
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	525036	Payment for 262.518	tons @	13 15	per ton	3452.11
Freight advanced @	$1.40	per ton			378.11	
Federal Tax 3%					11.34	
Assay Charges					7.00	
~~Sampling and Weighing Charges~~		Umpire Charge			4.00	
Hauling Charges						
Royalty 5% of $3051.66 Treasurer of the United States, c/o N.E.King					152.58	553 03
Executive Officer, WPA, 224 New Customhouse, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						2899 08

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

224 New Customhouse
Denver 2, Colorado

March 1, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Contract E4, Docket No. 1 & 1A, Utah

Enclosed is copy of settlement sheet covering ore shipped under Lot No. 95 GPU.

Also enclosed is check in the amount of $213.54 in payment of royalty on this shipment.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson w/enc. settlement sheet
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, February 25, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah
CR: Eureka, Utah

Ore Crude Lot No. 95 GPU Gold License No.

Sampled by Midvale Received 2-13-54 Sampled 2-17-54 Assayed 2-18-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.035	5.90	tr	7.80			8.80			.80	.13
F & D	.030	6.10	.20	8.40			9.40			.20	.25
Hardwell Umpire				8.10			9.00			.20	
Non-Sulphide				.20			.19			.20	.19
Settlement Assay	.0325	6.00	.10	7.90	37.30	7.30	8.81	10.2	8.5		

CAR NOS.	WET WEIGHT
UP 63962	109540
UP 63248	107800
UP 63367	105160
UP 65673	109220
UP 64319	110800
Total Wet Weight	
Sacks	
Net Weight	542520
Less H_2O 2.8 %	15190

METAL VALUE		
Gold 100% @ 22.4643		73
Silver 70 % @ 90.0	3	76
Copper (		
Lead (	11	58
Zinc	5	26
Gross Value	21	35
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit a/c concession		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 527330 Payment for 263.665 tons @ 17 90 per ton 4719.60

Freight advanced @ $1.56 per ton	423.17	
Federal Tax 3%	12.70	
Assay Charges	7.00	
~~Sampling or Watching Charges~~ Umpire Charge	6.00	
Hauling Charges		
Royalty 5% of $4270.73 Treasurer of the United States, c/o U.M.Ring Executive Officer, PMSA, 224 New Customhouse, Denver 2, Colorado	213.54	662 41
Amount Withheld Pending Receipt of Silver Affidavit		
Net Payment		4057 19

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

224 New Customhouse
Denver 2, Colorado

March 1, 1954

Mr. Cecil Fitch Jr.,
Vice President and General Manager
Chief Consolidated Mining Co.
608 Dooley Bldg., Salt Lake City, Utah

Re: DMEA Docket 1 & 1A (Lead-Zinc)
Contract Idm-E4, Chief Consolidated
Mining Company-Royalty Payments

Dear Mr. Fitch:

Settlement sheets showing correction of royalty due the U. S. Government for Lots 84 GPU to 91 GPU inclusive and check No. 98579 in the amount of $49.48 has been received from the American Smelting, Refining and Mining Company.

Original settlement sheet for Lot 85 GPU has charges for freight calculated at $1.56 per ton whereas correction sheet for this same lot uses a freight rate of $1.71 per ton. We believe the $1.71 rate to be in error as all other sheets are calculated using a freight rate of $1.56.

Royalty on the difference between the smelter values of the original and corrected sheets ($102.19) at 5 percent equals $5.11. As $3.11 difference has been paid on this shipment of ore by the smelter, there remains a balance of $2.00 still due. Please make your check payable to the Treasurer of the United States and send to W. H. King, Executive Officer, DMEA, Region IV, Room 224, New Customhouse, Denver 2, Colorado.

If you prefer, you may have American Smelting, Refining and Mining Company issue another correcting settlement sheet and make payment for the balance due.

Very truly yours,

W. H. King
Executive Officer
DMEA Field Team
Region IV

RDB:es
cc: Royalty File
S. R. Wilson
Sec. to Oper. Comm. (2)
T. A. Christensen
Berk.
Chron.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 4 - 1954

224 New Customhouse
Denver 2, Colorado

March 1, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 and 1A, Contract No. E4, Utah.

Enclosed are copies of settlement sheets covering ore shipped under Lot Nos. 84 GPU to 91 GPU inclusive.

Also enclosed is check in the amount of $49.48 in payment of royalty on these shipments.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

W.O.

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Adjustment account cost of employment waived 706

Salt Lake City, Utah, February 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Looly Building, Salt Lake City, Utah

at Eureka, Utah

Ore Crude Lot No. 84-CFU Gold License No.

Sampled by Midvale Received 1-23-54 Sampled 1-26-54 Assayed 1-27-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.25 Zinc 9.75

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

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead	3	95
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c Concession		50
Sacks					Total Debit	3	45
Net Weight	524720	Gross Value	20	85	Iron Credit		
Less H_2O 2.7 %	14168	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 510552	Payment for 255.276 tons @		17 40	per ton	4441.80
Freight advanced @ $1.72 per ton				438.64	
Federal Tax 3%				13.46	
Assay Charges				7.00	
Sampling or Watching Charges					
Hauling Charges					
Royalty 5% of $3972.70		$198.64		198.64	667 74
Previous Royalty		193.40			
Additional Royalty Due		5.24			
Treasurer of the United States, c/o U.S. Mint, Executive Officer, DMA, 224 New Customhouse, Denver 2, Colorado					
				Total Net Proceeds	3774 06
Former Settlement				~~Amount Withheld Pending Receipt of Silver Affidavit~~	3674 64
Net Proceeds Final				~~[illegible]~~	99 42

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Adjustment account of cost of employment waiver 706

Salt Lake City, Utah, February 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah
Ft. Duroka, Utah

Ore Crude Lot No. 85 CSU Gold License No.

Sampled by Hidvale Received 1-26-54 Sampled 1-28-54 Assayed 1-29-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.25 Zinc 9.75

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

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead	3	95
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit s/c concession		50
Sacks					Total Debit	3	45
Net Weight	524580	Gross Value		17	07 Iron Credit		
Less H_2O 3.6 %	18884	Less Working Charge		3	45 Net Working Charge		

Dry Weight, lbs. 505696	Payment for 252.848	tons @	14	40	per ton	3646.07
Freight advanced @ 1.56 per ton					409.17	
Federal Tax 3%					12.28	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of 3213.62		160.68			160.68	503 13
Previous Royalty		155.50				
Additional Royalty due		5.18				
Treasurer of the United States, c/o U.S. Mint, Executive Officer, MDA 224 New Customhouse, Denver, Colorado						
		Total Net Proceeds				3052 96
Former Settlement		~~Amount Withheld Pending Receipt of Silver Affidavit~~				3954 45
Net Proceeds Final		~~Net Payment~~				98 49

RECEIVED

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Adjustment account cost of employment waived 706

Salt Lake City, Utah, February 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Eccles Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Crude Lot No. 86 CPO Gold License No.

Sampled by Hicmle Received 1-28-54 Sampled 2-1-54 Assayed 2-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

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

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead	3	95
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c Concession		50
Sacks					Total Debit	3	45
Net Weight	515520	Gross Value	20	12	Iron Credit		
Less H_2O 3.3 %	17012	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 498508	Payment for 249.254	tons @	16	67	per ton	4155.06
Freight advanced @ $1.71 per ton					440.77	
Federal Tax 3%					13.22	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $3690.07		$184.50			184.50	649 49
Previous royalty		181.39				
Additional royalty due		3.11				
Treasurer of the United States, c/o W. E. King, Executive Officer, U.S.A., 224 New Customhouse, Denver 2 Colorado						
		Total Net Proceeds				3505 57
Former Settlement		~~Amount Withheld Pending Receipt of Silver Affidavit~~				3446 31
Net Proceeds first						59 26

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Adjustment account cost of employment waived 70%

Salt Lake City, Utah, February 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
Or: Eureka, Utah

Ore Crude Lot No. 67 CU Gold License No.

Sampled by Hirvle Received 1-28-54 Sampled 2-1-54 Assayed 2-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

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

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead	3	95
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c correction		50
Sacks					Total Debit	3	45
Net Weight	492880	Gross Value	20	21	Iron Credit		
Less H_2O 3.2 %	15772	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 477108	Payment for 238.554 tons @	16	76	per ton	3998.17	
Freight advanced @ $1.56 per ton				384.45		
Federal Tax 3%				11.53		
Assay Charges				7.00		
Sampling or Watching Charges Umpire Charge				8.00		
Hauling Charges						
Royalty 5% of $3587.19	$179.36			179.36	590	36
Previous royalty	174.47					
Additional royalty due	4.89					
Treasurer of the United States, c/o U.S.M.S., Executive Officer, IRD, 224 New Customhouse, Denver 2, Colorado						
				Total Net Proceeds	3407	83
Former Settlement				Amount Withheld Pending Receipt of Silver Affidavit	3314	91
Net Proceeds Final				Net Proceeds	92	92

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Adjustment account cost of employment
waiver 706

Salt Lake City, Utah, February 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah
Mr Eureka, Utah

Ore Crude Lot No. 88 [illegible] Gold License No.

Sampled by Nichols Received 1-30-54 Sampled 2-4-54 Assayed 2-5-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

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

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead	3	95
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit c/c concession		50
Sacks					Total Debit	3	45
Net Weight	498560	Gross Value	15	98	Iron Credit		
Less H_2O 2.6 %	12962	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 485598	Payment for 242.799	tons @	12	53	per ton	3042.27
Freight advanced @ 21.40 per ton				346.99		
Federal Tax 3%				10.47		
Assay Charges				7.00		
~~Sampling or Watching Charges~~ ~~Umpire Charge~~				4.00		
Hauling Charges						
Royalty 4% of $2671.81		$120.23		120.23	490	69
Previous Royalty		102.89				
Additional Royalty due		17.34				
Treasurer of the United States, c/o [illegible], Executive Officer, [illegible],						
224 New Customhouse, Denver 2, Colorado						
		Total Net Proceeds			2551	58
Former Settlement		~~Amount Withheld Pending Receipt of Silver Affidavit~~			2469	37
Net Proceeds Final				~~[illegible]~~	82	21

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Adjustment account cost of unemployment waived 706

Salt Lake City, Utah, February 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Tooly Building, Salt Lake City, Utah

Ore Crude — Lot No. 59 CPU — Gold License No.

Sampled by Miwale — Received 2-2-54 — Sampled 2-5-54 — Assayed 2-6-54

Metal Quotations—Gold 34.7125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

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

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead	3	95
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit c/c concession		50
Sacks					Total Debit	3	45
Net Weight	506500	Gross Value	19	42	Iron Credit		
Less H_2O 3.0 %	15196	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 491304	Payment for 245.652	tons @	15	97	per ton	3923.06
Freight advanced @ $1.56	per ton				383.07	
Federal Tax 3%					11.65	
Assay Charges					7.00	
~~Sampling or Watching Charges~~	Umpire Charge				8.00	
Hauling Charges						
Royalty 5% of $3501.14		$175.06			175.06	596 98
Previous Royalty		170.02				
Additional Royalty Due		5.04				
Treasurer of the United States, c/o U.S.Mint, Executive Officer, [illegible], 324 New Customhouse, Denver 2, Colorado						
				Total Net Proceeds	3326	08
	Error Settlement	~~Amount Withheld Pending Receipt of Silver Affidavit~~			3230	41
	Net Proceeds final				95	67

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Adjustment account cost of employment
union 706

Salt Lake City, Utah, February 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Pooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 90 [illegible] Gold License No.

Sampled by Nielo Received 2-2-54 Sampled 2-5-54 Assayed 2-6-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

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

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead	3	95
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit c/o concentrator		50
Sacks					Total Debit	3	45
Net Weight	507780	Gross Value	18	44	Iron Credit		
Less H_2O 4.2 %	21410	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 480370	Payment for 244.185	tons @	14	99	per ton	3660.33
Freight advanced @ 61.56 per ton				397.63		
Federal Tax 3%				11.93		
Assay Charges				7.00		
~~Sampling or Watching Charges~~ Depira Charge				8.00		
Hauling Charges						
Royalty 5% of $3235.77	$161.79			161.79	566	35
Previous Royalty Due	156.78					
Additional Royalty Due	5.01					
Treasurer of the United States, c/o [illegible], Executive Officer, [illegible], 224 New Customhouse, Denver 2, Colorado						
		Total Net Proceeds			3073	90
Former Settlement		~~Amount Withheld Pending Receipt of Silver Affidavit~~			2978	88
Net Proceeds Final		Endorsement			95	10

4 = 1954

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Adjustment account cost of employment
waiver 706

Salt Lake City, Utah, February 24, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Eccly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude *Lot No.* 91 [illegible] *Gold License No.*

Sampled by Howle *Received* 2-4-54 *Sampled* 2-6-54 *Assayed* 2-8-54

Metal Quotations—Gold 34.5125 *Silver* 90.0 *Copper, N. Y.* *Lead, N. Y.* 13.00 *Zinc* 9.50

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

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
		Gold 100% @			Treatment Base 30% Lead	3	95
		Silver % @			Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead			Insoluble		
		Zinc			Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit a/c concession		50
Sacks					Total Debit	3	45
Net Weight	373860	Gross Value	17	23	Iron Credit		
Less H_2O 4.3 %	16076	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 357784	Payment for 178.892	tons @	13	78	per ton	2465.13
Freight advanced @ $1.40	per ton				201.70	
Federal Tax 3%					7.85	
Assay Charges					7.00	
~~Sampling or Washing Charges~~ Umpire Charge					6.00	
Hauling Charges						
Royalty 5% of $2182.58		$109.13			109.13	391 68
Previous Royalty		105.46				
Additional Royalty Due		3.67				
Treasurer of the United States, c/o U.S. Ping, Executive Officer, [illegible], 224 New Customhouse, Denver 2, Colorado						
		Total Net Proceeds			2073	45
Former Settlement		~~Amount Withheld Pending Receipt of Silver Affidavit~~			2003	78
Net Proceeds Final					69	67

[illegible]

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 1 - 1954

224 New Customhouse
Denver 2, Colorado

February 26, 1954

Gwendolyn
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Contract No. E4, Docket No. 1 & 1A-Utah.

Enclosed are copies of settlement sheets covering ore shipped under Lot Nos. 92 GPU, 93 GPU, and 94 GPU.

Also enclosed is check in the amount of $559.98 in payment of royalty on these shipments.

W. H. King

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

W.O.

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, February 23, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 92 CCU Gold License No.

Sampled by Hidvale Received 2-9-54 Sampled 2-11-54 Assayed 2-12-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orth/Ortn
U. S. S. R. & M. Co.	.04	4.40	.05	6.50			9.0			.20 .11
L & D	.045	4.70	.20	6.80			9.4			.15 .15
Umpire				6.65 ave.			9.2 ave.			
Non-Sulphide				.18			.13			.18 .13
Settlement Assay	.0425	4.55	.13	6.47	42.4	7.3	9.07	10.8	7.2	

CAR NOS.	WET WEIGHT
UP 66204	104820
UP 65615	106860
UP 62440	106580
UP 65550	102460
UP 63639	105300
Total Wet Weight	
Sacks	
Net Weight	526020
Less H_2O 3.2 %	16832

METAL VALUE		
Gold 100% @ 22.4643		95
Silver 70% @ 90.0	2	87
Copper (		
Lead (	9	32
Zinc	5	43
Gross Value	18	57
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Credit a/c ~~Insoluble~~ Concession		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 509188	Payment for 254.594	tons @	15.12	per ton	3849.46	
Freight advanced @ 1.56	per ton			410.30		
Federal Tax 3%				12.31		
Assay Charges				7.00		
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $3419.85 Treasurer of the United States, c/o U.H.King Executive Officer, BLM, 224 Rev Customhouse, Denver 2, Colorado				170.99	600	60
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					3248	86

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, February 23, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 93 GPU Gold License No.

Sampled by Midwale Received 2-9-54 Sampled 2-11-54 Assayed 2-1[illegible]-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Ox Pb Ox Zn
U. S. S. R. & M. Co.	.035	5.70	-	6.90			9.30			.20 .11
R & T	.040	6.10	.20	7.20			9.40			.15 .15
Umpire				7.05 avg.			9.35 avg.			
Non-Sulphide				.18			.13			.18 .13
Settlement Assay	.0375	5.90	.10	6.67	37.60	7.20	9.22	11.4	8.0	

CAR NOS.	WET WEIGHT
UP 66647	102220
UP 66272	107520
UP 66000	101100
UP 66749	103040
UP 65105	108220
Total Wet Weight	
Sacks	
Net Weight	522100
Less H_2O 2.8 %	14618

METAL VALUE		
Gold 100% @ 22.4643		84
Silver 70% @ 90.0	3	72
Copper		
Lead	9	91
Zinc	5	54
Gross Value	20	01
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Credit a/c Concession		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	507482	Payment for	253.741	tons @	16 56	per ton	4201.95
Freight advanced @	$1.56	per ton				407.24	
Federal Tax 3%						12.22	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3775.49 Treasurer of the United States, c/o U.S. Mint Executive Officer, USA, 224 New Customhouse, Denver 2, Colorado						188.77	615 23
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3586 72

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, February 23, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
CP: Eureka, Utah

Ore Crude Lot No. 94 GPU Gold License No.

Sampled by Midvale Received 2-11-54 Sampled 2-12-54 Assayed 2-15-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.03	5.10	tr	7.70			9.2			.20 .11
D & D	.03	4.90	.20	8.00			9.4			.15 .15
Umpire				7.85 avg.			9.3 avg.			
Non-Sulphide				.18			.13			.18 .13
Settlement Assay	.03	5.00	.10	7.67	39.0	7.4	9.17	10.6	7.9	

CAR NOS.	WET WEIGHT
UP 62070	104460
UP 65402	99040
UP 64626	107380
UP 65922	107140
UP 66530	117360
Total Wet Weight	
Sacks	
Net Weight	535380
Less H_2O 2.8 %	14990

METAL VALUE		
Gold 100% @ 33.4643		67
Silver 70% @ 90.0	3	15
Copper		
Lead	11	20
Zinc	5	50
Gross Value	20	52
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
/Credit c/o Concession		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 520380	Payment for 260.195	tons @	17	07	per ton	4441.53	
Freight advanced @ $1.56	per ton				417.60		
Federal Tax 3%					12.53		
Assay Charges					7.00		
Sampling or Watching Charges							
Hauling Charges							
~~Royelty 5% of $4004.40 Treasurer of the United States, c/o U.M.Ming Executive Officer, NSA, 224 New Customhouse, Denver, 2 Colorado~~					200.22	627	35
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment						3804	18

MAR 1 - 1954

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 1 - 1954

224 New Customhouse
Denver 2, Colorado

February 26, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMEA Docket 1 & 1A (Lead-Zinc), Contract Idm-E4, Chief Consolidated Mining Company, Juab and Utah Counties, Utah

Reference is made to memorandum dated January 20, 1954 to Clarence A. Fredell, Chairman Operating Committee, Emergency Procurement Service, General Service Administration from J. H. East, Jr., Regional Director, Region IV, a copy of which was furnished to your office.

Regarding the royalty payment in the amount of $6.22 applicable to Lot No. DMPA-Dev. 1 GPU pertaining to ore shipped by the Chief Consolidated Mining Company, we have been advised that this royalty payment is applicable to repayment of expenditures under the subject contract. Therefore, this amount $6.22, which has been held in a separate suspense account is to be transferred as a credit to Contract Idm-E4.

Enclosed is your copy of settlement sheet pertaining to this ore shipment.

W. H. King

Enclosures

RDB:es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheet
Wilson
Chron.

W. O.

FORM C.O. 77-2

906

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, January 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City Utah
P. Eureka, Utah

Ore Crude Lot No. IMPA-Dev 1 CPU Gold License No.

Sampled by Hidvale Received 12-21-53 Sampled 12-27-53 Assayed 12-29-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.102	1.20	tr	3.0			5.5			1.23	.35
B & D	.11	1.30	.20	3.3			6.0			.45	.25
Umpire				3.15 avg.			5.75 avg.				
Non-Sulphide				.60			.30				
Settlement Assay	.106	1.25	.10	2.55	38.5	7.80	5.45	9.5	10.20		

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
RG 71665		Gold 100% @ 22.4613	2	38	Treatment Base 30% Lead	3	95
		Silver 65 % @ 90.0		73	Credit Acc't Over 30% Pb.		
		Copper			Debit Acc't Under 30% Pb.		
		Lead	3	57	Insoluble		
		Zinc	3	28	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit		50
Sacks					Total Debit	3	45
Net Weight	165980	Gross Value	9	96	Iron Credit		
Less H_2O 7.2 %	11950	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 154030	Payment for 77.015	tons @	6	51	per ton	501.37
Freight advanced @ 93¢	per ton				77.18	
~~Federal Tax 3%~~					2.32	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
~~Royalty 1½% of $414.87 Treasurer of the United States c/o V.H.King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado~~					6.22	92 72
					Amount Withheld Pending Receipt of Silver Affidavit	
					Net Payment	408 65

Department of Agriculture
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MAR 1 1954

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

224 New Customhouse
Denver 2, Colorado

February 23, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. DMA 1 & 1A, Contract No. E4, Utah

Enclosed are copies of settlement sheets covering shipment of ore on Lot Nos. 88 GPU, 89 GPU, 90 GPU and 91 GPU.

Also enclosed are checks in the amounts of $102.89 and $432.26 in payment of royalty on these shipments.

The following is a breakdown of the above-mentioned checks:

88 GPU - covered by check for $102.89

89 GPU	$170.02
90 GPU	156.78
91 GPU	105.46
	$432.26

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. (2) w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W.O.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, February 11, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Icely Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 80 GFU Gold License No.

Sampled by Hicvale Received 1-30-54 Sampled 2-4-54 Assayed 2-5-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu	PER CENT Pb
U. S. S. R. & M. Co.	.027	5.50	tr	5.4			7.30			.27	.15
B & T	.030	5.70	.20	6.4			7.80			.15	.10
Bardwell Umpire				5.5			7.55 avg.				
Non-Sulphide				.21			.13			.21	.13
Settlement Assay	.0285	5.60	.10	5.29	33.5	5.60	7.42	9.0	12.0		

CAR NOS.	WET WEIGHT
UP 62365	101360
UP 62763	91200
UP 63089	104540
UP 62916	107840
UP 64595	93620
Total Wet Weight	
Sacks	
Net Weight	498560
Less H_2O 2.6 %	12962

METAL VALUE		
Gold 100% @ 22.4643		64
Silver 70% @ 90.0	3	53
Copper		
Lead	7	46
Zinc	4	35
Gross Value	15	98
Less Working Charge	3	86

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
~~Insoluble~~ Credit a/c Concession		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Debit a/c Labor		41
Total Debit	3	86
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	485598	Payment for	242.799 tons @	12	12	per ton	2942.72
Freight advanced @	$1.40	per ton				339.99	
Federal Tax 3%						10.47	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 4% of $2572.26 Treasurer of the United States, c/o U.S. King, Executive Officer, BLM, 224 New Customhouse, Denver 2, Colorado						102.89	473 35
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2469 37

FC C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, February 12, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Kooly Building, Salt Lake City, Utah

CP: Eureka, Utah

Ore Crude Lot No. 69 CPM Gold License No.

Sampled by Midvale Received 2-2-54 Sampled 2-5-54 Assayed 2-6-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.03	6.0	tr	6.70			9.0			.47	.13
B & D	.03	6.1	.20	7.10			9.6			.15	.15
Union Umpire				6.80			9.2			.18	
Non-Sulphide				.18			.14			.18	.14
Settlement Assay	.03	6.05	.10	6.62	34.70	6.20	9.06	10.5	9.8		

CAR NOS.	WET WEIGHT
UP 65911	108140
UP 65573	91820
UP 66682	103520
UP 62312	100580
UP 65512	102440
Total Wet Weight	
Sacks	
Net Weight	506500
Less H_2O 3.0 %	15196

METAL VALUE		
Gold 100% @ 22.4643		67
Silver 70% @ 90.0	3	81
Copper		
Lead	9	51
Zinc	5	43
Gross Value	19	42
Less Working Charge	3	86

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
~~Insoluble~~ Credit a/c Concentrator		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Debit a/c Labor		41*
Total Debit	3	86
~~Net Credit~~ *Debit a/c Labor may be adjusted later.		
~~Net Working Charge~~		

Dry Weight, lbs. 491304	Payment for 245.652 tons @	15	56	per ton	3822.35
Freight advanced @ 1.56 per ton				395.07	
Federal Tax 3%				11.85	
Assay Charges				7.00	
~~Sampling or Watching Charges~~ Empire Charge				8.00	
Hauling Charges					
Royalty 5% of $3400.43 Treasurer of the United States, c/o U.S. Mint Executive Officer, MPA, 224 New Customhouse, Denver 2, Colorado				170.02	591 94
Amount Withheld Pending Receipt of Silver Affidavit					
Net Payment					3230 41

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, February 12, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 90 CCU Gold License No.

Sampled by Flowlo Received 2-2-54 Sampled 2-5-54 Assayed 2-6-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.03	5.20	-	6.2			9.20			.57	.11
D & D	.03	5.30	.20	6.8			9.80			.15	.10
D & D Umpire				6.4			9.40			.18	
Non-Sulphide				.18			.11			.16	.11
Settlement Assay	.03	5.25	.10	6.22	36.60	6.10	9.29	10.7	9.3		

CAR NOS.	WET WEIGHT
UP 62532	90840
UP 63585	109820
UP 60174	104980
UP 63363	105060
UP 62786	99080
Total Wet Weight	
Sacks	
Net Weight	509780
Less H_2O 4.2 %	21410

METAL VALUE		
Gold 100% @ 22.4643		67
Silver 70% @ 90.0	3	31
Copper (		
Lead (	8	88
Zinc	5	58
Gross Value	18	44
Less Working Charge	3	86

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
~~Insoluble~~ Credit c/c Concession		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
*Debit a c later		41*
Total Debit	3	86
~~Iron Credit~~ May be adjusted later		
Net Working Charge		

Dry Weight, lbs.	488370	Payment for 244.185 tons @	14	58	per ton	3560.22
Freight advanced @	1.56	per ton			397.63	
Federal Tax 3%					11.93	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					8.00	
Hauling Charges						
Royalty 5% of $3135.66 Treasurer of the United States, c/o E.H.King Executive Officer, MMSA, 224 New Customhouse, Denver, Colorado					156.78	581 34
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						2978 88

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, February 12, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah

CP: Eureka, Utah

Ore Crude Lot No. 91 CPB Gold License No.

Sampled by Fidvale Received 2-4-54 Sampled 2-6-54 Assayed 2-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.00 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaPbO3xH2O
U. S. S. R. & M. Co.	.025	5.30	tr	5.9			8.40			.30 .11
B & D	.030	5.30	.20	6.8			9.10			.15 .10
C & N Umpire				5.95			8.75			
Non-Sulphide				.23			.11			.23 .11
Settlement Assay	.0275	5.30	.10	5.72	35.00	6.10	8.64	9.8	10.6	

CAR NOS.	WET WEIGHT
UP 62354	82880
UP 62799	90740
UP 64246	97920
UP 62604	102320
Total Wet Weight	
Sacks	
Net Weight	373860
Less H_2O 4.3 %	16076

METAL VALUE		
Gold .100% @ 22.4643	62	
Silver 70 % @ 90.0	3	34
Copper (		
Lead (	8	12
Zinc	5	15
Gross Value	17	23
Less Working Charge	3	86

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Credit a/c ~~Insoluble~~ Concession		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Debit a/c Labor		41*
Total Debit	3	86
~~Iron Credit~~ *May be adjusted later		
Net Working Charge		

Dry Weight, lbs. 357784	Payment for 178.892	tons @	13	37	per ton	2391.79
Freight advanced @ 1.40	per ton				261.70	
Federal Tax 3%					7.85	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					6.00	
Hauling Charges						
Royalty 5% of $2109.24 Treasurer of the United States, c/o M.H.King, Executive Officer, MPA, 224 New Customhouse, Denver 2, Colorado					105.46	388 01
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						2003 78

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

Department of the Interior
Defense Minerals Administration
RECEIVED
FEB 19 1954

224 New Customhouse
Denver 2, Colorado

February 15, 1954

Granted
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Contract E4, DMA 1 & 1A, Utah

Enclosed are copies of settlement sheets covering 85 GPU, 86 GPU, and 87 GPU for ore shipped by Chief Consolidated Mining Company to the United States Smelting, Ref ning and Mining Company.

Also enclosed are checks in the amounts of $355.86 and $155.50 in payment of royalty on these shipments.

The following is a breakdown of the above checks:

Lot No. 86 GPU	$181.39	
Lot No. 87 GPU	174.47	Lot No. 85 GPU $155.50
	$355.86	

W. H. King

Enclosures
es

cc: Royalty File
Sec. to the Oper. Comm. w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, February 4, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 85 CFU Gold License No.

Sampled by Mowle Received 1-26-54 Sampled 1-26-54 Assayed 1-29-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.25 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.065	5.80	.05	5.30			8.30			.33 .11
D & D	.075	6.10	.20	5.90			8.50			.15 .10
Union Umpire				5.40			8.40 avg.			
Non-Sulphide				.24			.11			.24 .11
Settlement Assay	.070	5.95	.13	5.16	36.10	9.80	8.29	13.90	8.0	

CAR NOS.	WET WEIGHT
UP 62683	101860
UP 66169	102660
UP 66511	117820
UP 65897	105660
UP 64712	96580
Total Wet Weight	
Sacks	
Net Weight	524580
Less H_2O 3.6 %	18884

METAL VALUE		
Gold 100% @ 22.4643	1	57
Silver 70 % @ 90.0	3	75
Copper (		
Lead (	7	51
Zinc	5	04
Gross Value	17	87
Less Working Charge	3	86

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble Credit a/c Concession		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Debit a/c Labor		41
Total Debit	3	86
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	505696	Payment for	252.848	tons @	14 01	per ton	3542.40
Freight advanced @	$1.56	per ton				409.17	
Federal Tax 3%						12.28	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $3109.95 Treasurer of the United States c/o L.H.King Executive Officer, MMA, 224 New Customhouse, Denver 2, Colorado						155.50	587 95
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2954 45

FH

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, FEBRUARY 8, 1954

Purchased From CHIEF CONSOLIDATED MINING COMPANY

Pay CHIEF CONSOLIDATED MINING COMPANY, 608 FOOLY BUILDING, SALT LAKE CITY, UTAH

SP: EUREKA, UTAH

Ore CRUDE *Lot No.* 86-CFU *Gold License No.*

Sampled by MIDVALE *Received* 1-28-54 *Sampled* 2-1-54 *Assayed* 2-2-54

Metal Quotations—Gold 34.9125 *Silver* 90.0 *Copper, N. Y.* ~~.~~ *Lead, N. Y.* 13.00 *Zinc* 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]	[illegible]
U. S. S. R. & M. Co.	.04	7.40	tr	6.40			9.20			.20	.13
B & D	.035	7.10	.20	6.80			9.70			.15	.15
I & N Umpire				6.55			9.45 Avg.				
Non-Sulphide				.18			.14			.18	.14
Settlement Assay	.0375	7.25	.10	6.37	34.60	7.10	9.31	11.40	9.40		

CAR NOS.	WET WEIGHT
UP 62608	109960
UP 63087	98800
UP 66696	102320
UP 64612	104400
UP 62839	100040
Total Wet Weight	
Sacks	
Net Weight	515520
Less H_2O 3.3 %	17012

METAL VALUE		
Gold 100% @ 22.4643		84
Silver 70% @ 90.0	4	57
Copper)		
Lead)	9	11
Zinc	5	60
Gross Value	20	12
Less Working Charge	3	86

WORKING CHARGE		
Treatment Basis	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Cr. a/c concession		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Tr. a/c labor		41
Total Debit	3	86
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	498508	Payment for	249.254	tons @	16 26	per ton	4052.87
Freight advanced @ $1.56		per ton				402.11	
Federal Tax 3%						12.06	
Assay Charges						7.00	
Umpire Charge						4.00	
Hauling Charges							
Royalty 5% of $3627.70						181.39	606 56
Treasurer of the United States, c/o W. H. King, Executive Officer							
FTRA, 224 New Customhouse, Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3446 31

F4

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, FEBRUARY 8, 1954

Purchased From CHief CONSOLIDATED MINING COMPANY

Pay CHIEF CONSOLIDATED MINING COMPANY, 608 POLY BUILDING, SALT LAKE CITY, UTAH
SP: EUREKA, UTAH

Ore CRUDE Lot No. 67-CFU Gold License No.

Sampled by MIVALE Received 1-28-54 Sampled 2-1-54 Assayed 2-2-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. and Lead, N. Y. 13.0 Zinc 9.50

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaCO3	PER CENT CaZn
U. S. S. R. & M. Co.	.05	7.20	tr	6.70			8.90			.20	.11
B & I	.03	7.30	.20	7.20			9.50			.15	.15
C & N Umpire				6.80			8.90				
Non-Sulphide				.18			.13			.18	.13
Settlement Assay	.04	7.25	.10	6.62	37.0	7.20	8.77	11.40	8.80		

CAR NOS.	WET WEIGHT
UP 62171	97460
UP 64136	102460
UP 62971	96680
UP 64274	98760
UP 60187	97520
Total Wet Weight	
Sacks	
Net Weight	492880
Less H_2O 3.2 %	15772

METAL VALUE		
Gold 100% @ 22.4643		90
Silver 70 % @ 90.0	4	57
Copper }		
Lead }	9	51
Zinc	5	23
Gross Value	20	21
Less Working Charge	3	86

WORKING CHARGE		
Treatment Base [redacted]	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
[redacted] Cr. a/c concession		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Tr. a/c later		41
Total Debit	3	86
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	477108	Payment for	238.554	tons @	16 35	per ton	3900.36
Freight advanced @	1.56	per ton				384.45	
Federal Tax 3%						11.53	
Assay Charges						7.00	
[redacted] Umpire Charge						6.00	
Hauling Charges							
Royalty 5% of $3489.38						174.47	585 45
Treasurer of the United States, c/o H. F. King,							
Executive Officer, DMEA, 224 New Customhouse,							
Denver 2, Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3314 91

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

224 New Customhouse
Denver 2, Colorado

February 8, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalties-Chief Consolidated Mining Company, Docket No. DMA 1 & 1A, Contract No. E4, Utah.

Enclosed are copies of settlement sheets covering Lot Nos. 80 GPU, 82 GPU, 83 GPU and 84 GPU, for ore shipped by the Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed are the following checks in payment of royalty on these shipments:

$183.91- Lot No. 80 GPU; $388.44-Lot Nos. 82 GPU, and 83 GPU; $193.40-Lot No. 84 GPU.

W. H. King

Enclosures

es

cc: Royalty File
Sec. to the Oper. Comm. w/enc. settlement sheets
Wilson w/enc. settlement sheets
Chron.

W.O.

706

C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, January 27, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 80 GPU Gold License No.

Sampled by McVale Received 1-14-54 Sampled 1-19-54 Assayed 1-20-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb OxZn
U. S. S. R. & M. Co.	.02	5.90	.05	6.60			8.60			1.03 .18
B & D	.035	6.20	.20	7.30			9.20			.20 .10
Union Umpire				6.90			9.00			.37
Non-Sulphide				.37			.14			
Settlement Assay	.0275	6.05	.13	6.53	34.20	5.60	8.86	8.60	10.6	

CAR NOS.	WET WEIGHT
UP 66200	100580
UP 63784	105560
UP 62236	103940
UP 64680	98100
UP 63767	102080
Total Wet Weight	
Sacks	
Net Weight	510260
Less H_2O 2.8 %	14288

METAL VALUE		
Gold 100% @ 22.4643		62
Silver 70 % @ 90.0	3	81
Copper (		
Lead (	9	98
Zinc	5	57
Gross Value	19	98
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	495972	Payment for	247.986	tons @	16 53	per ton	4099.21
Freight advanced @	1.56	per ton				398.00	
Federal Tax 3%						11.94	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $3678.27 Treasurer of the United States c/o [illegible] King Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado						183.91	604 85
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3494 36

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

700

Salt Lake City, Utah, January 28, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 82 GPU Gold License No.

Sampled by Midvale Received 1-16-54 Sampled 1-21-54 Assayed 1-27-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orlbcxzn
U. S. S. R. & M. Co.	.035	5.9	.05	6.70			8.80			.20 .15
B & I	.035	6.0	.20	7.20			9.60			.15 .20
D & M Umpire				7.00			9.30			
Non-Sulphide				.18			.18			
Settlement Assay	.035	5.95	.13	6.82	42.2	7.10	9.12	11.10	6.80	

CAR NOS.	WET WEIGHT
UP 66026	107640
UP 65634	104460
UP 63754	105540
UP 62749	98980
UP 63396	105920
Total Wet Weight	
Sacks	
Net Weight	522540
Less H_2O 3.0 %	15676

METAL VALUE		
Gold 100% @ 22.4643		79
Silver 70% @ 90.0	3	75
Copper (		
Lead (	10	42
Zinc	5	76
Gross Value	20	72
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	506864	Payment for	253.432	tons @	17 27	per ton	4376.77
Freight advanced @	1.56	per ton				407.50	
Federal Tax 3%						12.23	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of 3949.96 Treasurer of the United States c/o W.E.King, Executive Officer, IRA, 224 New Customhouse, Denver, 2 Colorado						197.50	624 31
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3752 46

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

700

Salt Lake City, Utah, January 29, 1954

Purchased From Chief Consolidated Mining Company

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

Mf: Eureka, Utah

Ore Crude Lot No. 83 GFU Gold License No.

Sampled by Hovels Received 1-21-54 Sampled 1-24-54 Assayed 1-25-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.25 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carb Oxi Zn
U. S. S. R. & M. Co.	.035	6.80	tr	6.60			8.80			.20 .15
B & I	.045	7.10	.20	7.20			9.50			.20 .15
C & U Umpire				6.95			8.95			
Non-Sulphide				.20			.15			
Settlement Assay	.040	6.95	.10	6.75	36.80	7.4	8.80	11.0	8.80	

CAR NOS.	WET WEIGHT
UP 64817	100820
UP 62761	95460
UP 62900	108560
UP 63990	100120
UP 62522	101840
Total Wet Weight	
Sacks	
Net Weight	506800
Less H_2O 2.9 %	14698

METAL VALUE		
Gold 100% @ 22.4643		90
Silver 70 % @ 90.0	4	38
Copper (		
Lead (	10	00
Zinc	5	39
Gross Value	20	67
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	492100	Payment for	246.051	tons @	17 22	per ton 4237.00
Freight advanced @	$1.56	per ton.			395.30	
Federal Tax 3%					11.86	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Umpire Charge					4.00	
Hauling Charges						
Royalty 5% of $3818.84 Treasurer of the United States, c/o U.S. Mint Executive Officer, MSA, 224 New Customhouse, Denver 2, Colorado					190 94	609 10
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3627 90

FORM C.O. 77-2

70

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, February 3, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Dooly Building, Salt Lake City, Utah

Pr. Eureka, Utah

Ore Crude Lot No. 84 CFU Gold License No.

Sampled by Flovale Received 1-23-54 Sampled 1-26-54 Assayed 1-27-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.25 Zinc 9.75

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaO	PER CENT MgO
U. S. S. R. & M. Co.	.045	7.30	.05	6.30			9.10			.20	.08
B & D	.055	7.30	.20	6.50			9.70			.15	.10
Barcwell Umpire				6.40 avg.			9.70				
Non-Sulphide				.18			.09			.18	.09
Settlement Assay	.050	7.30	.13	6.22	34.70	8.0	9.61	12.40	8.80		

CAR NOS.	WET WEIGHT
UP 63650	95340
UP 65306	98220
UP 65419	116880
UP 66764	110320
UP 63154	103960
Total Wet Weight	
Sacks	
Net Weight	524720
Less H_2O 2.7 %	14168

METAL VALUE		
Gold 100% @ 22.4643	1	12
Silver 70% @ 90.0	4	60
Copper		
Lead	9	10
Zinc	5	95
Gross Value	20	85
Less Working Charge	3	86

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
~~Debit Acc't Under 30% Pb.~~		
Insoluble Concession Credit		50
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Dr. a/c Labor		41
Total Debit	3	86
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	510552	Payment for	255.276 tons @	16 99	per ton	4337.14
Freight advanced @	$1.71	per ton			448.64	
Federal Tax 3%					13.46	
Assay Charges					7.00	
Sampling or Watching Charges						
Hauling Charges						
Royalty 5% of $3868.04 Treasurer of the United States, c/o U.E. King, Executive Officer, TMSA, 224 Rex Customhouse, Denver 2, Colorado					193.40	662 50
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						3674 64

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

224 New Customhouse
Denver 2, Colorado

January 26, 1954

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Docket No. 1 & 1A, Contract No. I-DMA-E4, Utah

Enclosed are copies of settlement sheets covering Lot Nos. 75 GPU, 76 GPU, 77 GPU, 78 GPU, 79 GPU, and 81 GPU for ore shipped by Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed are checks in the amounts of $154.57, $435.41, and $380.69 in payment of royalties on these shipments.

The following is a breakdown of the above-mentioned checks and Lot Numbers:

Lot No. 76 GPU -	21.92	Lot No. 75 GPU	202.56
77 GPU -	172.67	Lot No. 78 GPU	232.85
79 GPU -	186.10		435.41
	380.69	Lot No. 81 GPU-	154.57

es

cc: Royalty File, Sec. to Oper. Comm. (2)
w/enc. settlement sheets
Wilson w/enc. " "
Chron.

Enclosures

W. H. King

W.O.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, January 15, 1954

Purchased From Chief Consolidated Mining Company

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

T: Eureka, Utah

Ore Crude Lot No. 75 CCT Gold License No.

Sampled by Hicvale Received 1-5-54 Sampled 1-7-54 Assayed 1-8-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT CaPbOxZn
U. S. S. R. & M. Co.	.02	7.3	.05	8.00			7.30			.37 .15
D & T	.02	7.5	.20	8.20			7.90			.15 .10
Hardwell Umpire				8.10 avg.			7.80			
Non-Sulphide				.26			.13			
Settlement Assay	.02	7.4	.13	7.84	35.70	5.10	7.67	8.60	10.70	

CAR NOS.	WET WEIGHT
UP 63452	92680
UP 62660	97380
UP 63263	97040
UP 66022	103600
UP 63272	103140
Total Wet Weight	
Sacks	
Net Weight	493840
Less H_2O 3.0 %	14816

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70% @ 90.0	4	66
Copper (		
Lead (	12	19
Zinc	4	75
Gross Value	22	05
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	479024	Payment for	239.512	tons @	18 60	per ton	4454.92
Freight advanced @	$1.56	per ton				385.20	
Federal Tax 3%						11.56	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $4051.16 Treasurer of the United States, c/o [illegible] King Executive Officer, UMA 224 Few Customhouse, Denver, 2 Colorado						202.56	606 32
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3848 60

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, January 18, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Leale Building Salt Lake City, Utah
Sp. Eureka, Utah

Ore Crude Lot No. 76 CIC Gold License No.

Sampled by Ticvale Received 1-9-54 Sampled 1-12-54 Assayed 1-13-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 23.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Orl bOx'n
U. S. S. R. & M. Co.	.015	3.70	.05	3.80			4.70			.63 .20
D & D	.025	3.70	.20	4.40			5.00			.20 .20
Bardwell Umpire				3.80			4.85 avg.			
Non-Sulphide				.40			.20			
Settlement Assay	.020	3.70	.13	3.40	29.60	4.4	4.65	4.8	15.9	

CAR NOS.	WET WEIGHT
UP 63700	121480
UP 63942	100260
RG 46134	133280
RG 47073	119320
RG 46595	137280
Total Wet Weight	
Sacks	
Net Weight	611620
Less H_2O 3.0 %	18348

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 65 % @ 90.0	2	16
Copper		
Lead	4	74
Zinc	2	05
Gross Value	9	40
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	593272	Payment for	296.636	tons @	5 95	per ton	1764.98
Freight advanced @	93¢	per ton				284.40	
Federal Tax 3%						8.53	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				4.00	
Hauling Charges							
Royalty 1½ of $1461.05 Treasurer of the United States, c/o U.S. Mint Executive Officer, MMA, 224 New Customhouse, Denver 2, Colorado						21.92	325 85
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							1439 13

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, January 18, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Foote Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 77 CDU Gold License No.

Sampled by Hievale Received 1-7-54 Sampled 1-9-54 Assayed 1-11-54

Metal Quotations—Gold 34.0125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.02	7.70	.05	9.90			8.00			.40 .15
B & D	.03	7.90	.20	10.40			9.40			.20 .10
C & H Umpire				10.50			9.00			
Non-Sulphide				.30			.13			
Settlement Assay	.025	7.00	.13	10.10	35.40	5.70	8.87	10.0	9.0	

CAR NOS.	WET WEIGHT
UP 62441	108000
UP 64863	106740
UP 63212	109300
Total Wet Weight	
Sacks	
Net Weight	324040
Less H_2O 3.0 %	9722

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70 % @ 90.0	4	91
Copper		
Lead	16	26
Zinc	5	58
Gross Value	27	31
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	314318	Payment for	157.159	tons @	23 86	per ton	3749.81
Freight advanced @	1.71	per ton				277.05	
Federal Tax 3%						8.31	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $3453.45 Treasurer of the United States, c/o Building Executive Officer, [illegible], 224 New Customhouse, Denver 2, Colorado						172.67	469 03
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3280 78

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, January 15, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Daly Building, Salt Lake City, Utah

Ste Eureka, Utah

Ore Crude Lot No. 78 GPC Gold License No.

Sampled by Novelo Received 1-7-54 Sampled 1-9-54 Assayed 1-11-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Calh Cop
U. S. S. R. & M. Co.	.02	7.0	.05	8.70			7.60			.23 .10
D & F	.035	7.0	.20	9.20			8.30			.15 .10
Union Umpire				8.80			7.80			
Non-Sulphide				.19			.10			
Settlement Assay	.0275	7.0	.13	8.61	34.60	5.0	7.70	8.7	10.9	

CAR NOS.	WET WEIGHT
UP 60114	106180
UP 63777	107460
UP 64965	106520
UP 60066	105520
UP 65954	106960
Total Wet Weight	
Sacks	
Net Weight	532640
Less H_2O 2.8 %	14914

METAL VALUE		
Gold 100% @ 22.4643		62
Silver 70% @ 90.0	4	41
Copper		
Lead	13	52
Zinc	4	76
Gross Value	23	31
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	517726	Payment for	258.863	tons @	19 86	per ton	5141.02
Freight advanced @	1.71	per ton				455.41	
Federal Tax 3%						13.66	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Depire Charge						8.00	
~~Hauling Charges~~ Royalty 5% of $4656.95 Treasurer of the United States						232.85	716 92
c/o [illegible] King, Executive Officer, USA, 204 Ism Customhouse, Denver 2 Colorado							
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4424 10

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, January 18, 1954

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 79 CFU Gold License No.

Sampled by Midvale Received 1-7-54 Sampled 1-9-54 Assayed 1-11-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb OxZn
U. S. S. R. & M. Co.	.02	6.00	.05	7.20			7.40			.20 .17
D & N	.03	6.10	.20	7.60			8.20			.20 .10
D & N Umpire				7.30			8.00			
Non-Sulphide				.20			.14			
Settlement Assay	.025	6.05	.13	7.10	33.0	4.9	7.86	8.1	12.1	

CAR NOS.	WET WEIGHT
UP 64569	100120
UP 64020	115100
UP 65895	100380
UP 65960	96960
UP 66243	99660
Total Wet Weight	
Sacks	
Net Weight	512220
Less H_2O 3.1 %	15878

METAL VALUE		
Gold 100% @ 22.4643		56
Silver 70 % @ 90.0	3	81
Copper (		
Lead (	10	90
Zinc	4	88
Gross Value	20	15
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	496342	Payment for	248.171	tons @	16 70	per ton	4144.46
Freight advanced @	$1.56	per ton				399.53	
Federal Tax 3%						11.90	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				4.00	
Hauling Charges							
Royalty 5% of $3721.94 Treasurer of the United States, c/o J.H.King Executive Officer, U.M.A, 224 New Customhouse, Denver 2, Colorado						186.10	608 62
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3535 84

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, January 20, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 603 Booly Building, Salt Lake City, Utah

C/o: Eureka, Utah

Ore Crude Lot No. 81 GRO Gold License No.

Sampled by Nicols Received 1-14-54 Sampled 1-18-54 Assayed 1-19-54

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Carbonate
U. S. S. R. & M. Co.	.02	5.70	.05	6.30			7.50			.20 .15
B & F	.035	5.50	.20	6.50			7.80			.10 .10
Umpire				6.40 avg.			7.65 avg.			
Non-Sulphide				.15			.13			
Settlement Assay	.0275	5.80	.13	6.25	31.60	5.10	7.52	6.4	12.30	

CAR NOS.	WET WEIGHT
UP 65434	105960
UP 64418	90740
UP 63594	94800
UP 63941	95820
UP 66613	87920
Total Wet Weight	
Sacks	
Net Weight	475240
Less H_2O 1.9 %	9030

METAL VALUE		
Gold 100% @ 22.4643		62
Silver 70 % @ 90.0	3	65
Copper		
Lead	9	47
Zinc	4	64
Gross Value	18	38
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	466210	Payment for	233.105	tons @	14 93	per ton	3400.26
Freight advanced @	1.56	per ton				370.69	
Federal Tax 3						11.12	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3091.45 Treasurer of the United States, c/o U.S. Mint Executive Officer, MPA, 224 New Customhouse, Denver 2, Colorado						154.57	543 38
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							2936 88

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

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 22 1954

224 New Customhouse
Denver 2, Colorado

January 20, 1954

Greenwald
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty Payments-DMEA Docket 1 & 1A (Lead-Zinc), Contract Idm-E4, Chief Consolidated Mining Company, Juab and Utah Counties, Utah

Enclosed are copies of settlement sheets covering Lots No. 72 GPU, 73 GPU and 74 GPU, and also a photostat of settlement sheet covering Lot No. DMPA Dev. 1 GPU.

Also enclosed is check No. 97927 from United States Smelting, Refining, and Mining Company in the amount of $832.13. Of this amount $825.91 is in payment of royalty due on Lots No. 72 GPU, 73 GPU, and 74 GPU shipped under DMEA Contract Idm-E4, and $6.22 pertains to DMPA royalty which is to be credited to a separate suspense account pending advice from Washington concerning DMPA royalty payments.

W. H. King
W. H. King

Enclosures

RDB:es
cc: Royalty File
Sec. Oper. Comm. w/eettlement sheets
Wilson w/settlement sheets
Chron.
Berk.

W.O.

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

704

Salt Lake City, Utah, January 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah
(Eureka, Utah

Ore Crude Lot No. 72 CCU Gold License No.

Sampled by Lowle Received 12-22-53 Sampled 12-27-53 Assayed 12-28-53

Metal Quotations—Gold 34.5125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.015	10.0	-	9.10			8.30			.90 .30
C.C.C.	.025	9.9	.20	9.60			9.00			.35 .25
Union Umpire				9.40			8.80			
Non-Sulphide				.55			.28			
Settlement Assay	.020	9.95	.10	8.85	39.5	6.3	8.52	9.20	8.90	

CAR NOS.	WET WEIGHT	METAL VALUE			WORKING CHARGE		
UP 62472	100780	Gold 100% @ 23.1643		45	Treatment Base 30% Lead	3	95
UP 64914	105400	Silver 70 % @ 90.0	6	27	Credit Acc't Over 30% Pb.		
UP 64376	102040	Copper			Debit Acc't Under 30% Pb.		
UP 63207	111620	Lead	14	00	Insoluble		
UP 60111	95280	Zinc	5	34	Zinc Charge, excess over 6%		
					Sulphur Charge, excess over 2%		
					Arsenic Charge, excess over 2%		
Total Wet Weight					Credit		50
Sacks					Total Debit	3	45
Net Weight	515120	Gross Value	26	06	Iron Credit		
Less H_2O 2.2 %	11332	Less Working Charge	3	45	Net Working Charge		

Dry Weight, lbs. 503788	Payment for 251.894	tons @	22	61	per ton	5695.32
Freight advanced @ $1.71 per ton					440.43	
Federal Tax 3%					13.21	
Assay Charges					7.00	
~~Sampling or Watching Charges~~ Expire Charge					4.00	
Hauling Charges						
Royalty 5% of $5230.68 Treasurer of the United States, c/o D.B.King, Executive Officer, MSA 224 Tax Customhouse, Denver 2, Colorado					261.53	726 17
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment						4969 15

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, January 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Tooly Building, Salt Lake City, Utah

Ft Eureka, Utah

Ore Crude Lot No. 73 G.C Gold License No.

Sampled by [illegible] Received 12-22-53 Sampled 12-28-53 Assayed 12-29-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT [illegible]
U. S. S. R. & M. Co.	.022	7.60	tr	9.40			8.50			.33 .27
B & L	.020	8.10	.20	9.80			8.80			.20 .20
B & L Umpire				9.70			8.65 avg.			
Non-Sulphide				.27			.24			
Settlement Assay	.021	7.85	.10	9.43	37.70	6.10	8.41	9.40	8.00	

CAR NOS.	WET WEIGHT
UP 63627	115600
UP 66089	95760
UP 62033	102280
UP 63940	112580
UP 66083	103080
Total Wet Weight	
Sacks	
Net Weight	529300
Less H_2O 2.6 %	13762

METAL VALUE		
Gold 100% @ 22.1663		47
Silver 70 % @ 90.0	4	95
Copper (		
Lead (	14	97
Zinc	5	26
Gross Value	25	65
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	515538	Payment for	257.769	tons @	22 00	per ton	5722.47
Freight advanced @	1.71	per ton				452.55	
Federal Tax 3%						13.58	
Assay Charges						7.50	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $5249.34 Treasurer of the United States, c/o U.M.King, Executive Officer, WPA, 224 Federal Courthouse, Denver 2, Colorado						262.47	735 60
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							4986 87

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, January 5, 1954

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Booly Building, Salt Lake City, Utah
DP: Eureka, Utah

Ore Crude Lot No. 74 CCU Gold License No.

Sampled by Hidvale Received 12-24-53 Sampled 12-28-53 Assayed 12-29-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Pb/Zn
U. S. S. R. & M. Co.	.015	8.30	.05	10.30			9.30			.20 .18
D & D	.02	8.10	.20	10.50			9.60			.20 .10
Umpire				10.40 avg.			9.45 avg.			
Non-Sulphide				.20			.14			
Settlement Assay	.0175	8.20	.13	10.20	35.4	6.0	9.31	10.4	8.6	

CAR NOS.	WET WEIGHT
UP 65679	124100
UP 63995	112120
UP 64708	96680
UP 64190	117940
UP 63147	101380
Total Wet Weight	
Sacks	
Net Weight	549220
Less H_2O 2.6 %	14280

METAL VALUE		
Gold 100% @22.4643		39
Silver 70% @ 90.0	5	17
Copper		
Lead	16	41
Zinc	5	89
Gross Value	27	86
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 534940 Payment for 267.470 tons @ 24 41 per ton 6528.94

Freight advanced @ 1.71 per ton	469.58		
Federal Tax 3%	14.09		
Assay Charges	7.00		
Sampling or Watching Charges			
Hauling Charges			
Royalty 5% of $6038.27 Treasurer of the United States, c/o U.S.Mint Executive Officer, WPA, 224 New Customhouse, Denver 2, Colorado	301.91	792	58
Amount Withheld Pending Receipt of Silver Affidavit			
Net Payment		5730	36

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

224 New Customhouse
Denver 2, Colorado

January 4, 1954

Keeling
Betty

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty-Chief Consolidated Mining Company, Contract Idm-E4, Docket No. 1 & 1A

Enclosed are copies of settlement sheets covering Lot Nos. 69 GPU, 70 GPU, and 71 GPU for ore shipped by the Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

Also enclosed is check in the amount of $611.10 in payment of these royalties.

W. H. King

Enclosures

es

cc: Sec. Operating Comm. w/enc. Settlement Sheets
Wilson w/enc. settlement sheets
Chron.
Royalty File

FORM CO. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 24, 1953

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 600 Dooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 69 CCD Gold License No.

Sampled by Michele Received 12-18-53 Sampled 12-17-53 Assayed 12-18-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Calcium
U. S. S. R. & M. Co.	.015	7.20	tr	8.40			8.10			.70 .42
B & D	.030	7.30	.20	9.20			8.90			.65 .40
C & D Umpire				8.60			8.20			
Non-Sulphide				.68			.41			
Settlement Assay	.0225	7.25	.10	7.92	34.8	4.9	7.79	8.40	10.0	

CAR NOS.	WET WEIGHT
UP 65963	109160
UP 63867	92500
UP 63720	87100
UP 63959	108640
UP 62346	98460
Total Wet Weight	
Sacks	
Net Weight	495860
Less H_2O 2.7 %	13388

METAL VALUE		
Gold 100% @ 22.4643		51
Silver 70 % @ 90.0	4	57
Copper (		
Lead (	12	38
Zinc	4	85
Gross Value	22	31
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	482472	Payment for	241.236	tons @	18 86	per ton	4549.71
Freight advanced @	1.71	per ton				423.96	
Federal Tax 3%						12.72	
Assay Charges						7.00	
~~Sampling or Watching Charges~~		Umpire Charge				8.00	
~~Hauling Charges~~						452.68	
Royalty 5% of $4098.03 Treasurer of the United States, c/o E.P.King Executive Officer, BMM, 226 New Customhouse, Denver 2, Colorado						204.90	656 50
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3893 13

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 24, 1953

Purchased From Chief Consolidated Mining Company

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

Ore Crude Lot No. 70 CFU Gold License No.

Sampled by Hidvalo Received 12-11-53 Sampled 12-16-53 Assayed 12-17-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Cu/Mn
U. S. S. R. & M. Co.	.015	7.90	tr	7.80			7.00			.27 .23
L & D	.020	8.10	.20	8.40			8.40			.35 .20
Umpire				8.10			8.40			
Non-Sulphide				.31			.22			
Settlement Assay	.0175	8.00	.10	7.79	39.0	5.30	8.10	6.90	9.5	

CAR NOS.	WET WEIGHT
UP 62890	113720
UP 65870	92500
UP 60081	93200
UP 65178	107760
UP 65261	101220
Total Wet Weight	
Sacks	
Net Weight	510560
Less H_2O 2.2 %	11232

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70 % @ 90.0	5	04
Copper (		
Lead (	12	07
Zinc	5	10
Gross Value	22	60
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 499328 Payment for 249.664 tons @ 19 15 per ton 4781.07

Freight advanced @ 1.71 per ton	436.53		
Federal Tax 3%	13.10		
Assay Charges	7.00		
~~Sampling or Wrapping Charges~~ Umpire Charge	2.00		
~~Hauling Charges~~ Royalty 5% of 4322.44 Treasurer of the United States	216.12	674	75
c/o U.L.King, Executive Officer, USSA, 724 New Customhouse, Denver 2, Colorado			
Amount Withheld Pending Receipt of Silver Affidavit			
Net Payment		4106	32

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 24, 1953

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 606 Dooly Building, Salt Lake City, Utah
Eureka, Utah

Ore Crude Lot No. 71 CTU Gold License No.

Sampled by Fidwale Received 12-15-53 Sampled 12-17-53 Assayed 12-18-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Arsenic
U. S. S. R. & M. Co.	.02	8.10	tr	6.30			8.10			.47 .38
[illegible]	.02	8.40	.20	7.10			8.80			.50 .40
Tordwell Umpire				6.60			8.50			
Non-Sulphide				.49			.39			
Settlement Assay	.02	8.25	.10	6.31	37.60	4.9	8.11	8.0	10.0	

CAR NOS.	WET WEIGHT
UP 66117	99760
UP 63675	102660
UP 63001	104400
UP 63538	104960
UP 62850	99140
Total Wet Weight	
Sacks	
Net Weight	510920
Less H_2O 2.1 %	10730

METAL VALUE		
Gold 100% @22.4643		45
Silver 70 % @ 90.0	5	20
Copper (		
Lead (	9	60
Zinc	5	07
Gross Value	20	32
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	500190	Payment for	250.095	tons @	16 87	per ton	4219.10
Freight advanced @	$1.56	per ton				390.52	
Federal Tax 3%						11.96	
Assay Charges						7.00	
Sampling or Watching Charges							
Hauling Charges							
Royalty 5% of $3861.62 Treasurer of the United States, c/o U.S. Mint. Executive Officer, DSA, 224 Post Customhouse, Denver 2, Colorado						190.08	607 56
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3611 54

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

224 New Customhouse
Denver 2, Colorado

December 29, 1953

Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheet - Contract Idm-E4 (Lead-Zinc), Docket No. DMEA 1 & 1A, Chief Consolidated Mining Company

Enclosed is a copy of a settlement sheet covering lot number 63-GPU shipped by the Chief Consolidated Mining Company to the U. S. Smelting Refining and Mining Company.

W. H. King

Enclosure

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

224 New Customhouse
Denver 2, Colorado

December 29, 1953

Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheet - Contract Idm-64 (Lead-Zinc), Docket No. DMEA 1 & 1A, Chief Consolidated Mining Company

Enclosed is a copy of a settlement sheet covering lot number 63-GP6 shipped by the Chief Consolidated Mining Company to the U. S. Smelting Refining and Mining Company.

W. H. King

Enclosure

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 21, 1953

Purchased From Chief Consolidated Mining Company

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

Pr: Eureka, Utah

Ore Grade Lot No. 68 GPU Gold License No.

Sampled by Mevale Received 12/4/53 Sampled 12/14/53 Assayed 12/16/53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxidization
U. S. S. R. & M. Co.	.025	5.60	tr	7.50			7.90			.57 .17
B & [illegible]	.035	5.80	.20	7.80			8.50			.20 .15
Union Umpire				7.65	avr.		8.30			
Non-Sulphide				.28			.16			
Settlement Assay	.03	5.70	.10	7.37	33.70	5.70	8.22	9.0	10.60	

CAR NOS.	WET WEIGHT
UP 65264	104740
UP 65163	92540
UP 63588	95460
UP 64787	100180
UP 62090	97240
Total Wet Weight	
Sacks	
Net Weight	490160
Less H_2O 2.4 %	11764

METAL VALUE		
Gold 100% @ 22.4613		67
Silver 70% @ 90.0	3	59
Copper (		
Lead (	11	34
Zinc	5	13
Gross Value	20	73
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	478396	Payment for	239.198	tons @	17	28	per ton 4133.34
Freight advanced @	1.56	per ton					382.32
Federal Tax 3%							11.47
Assay Charges							7.00
Sampling or Watching Charges							
Hauling Charges							400.79
Royalty 5% of $3732.55 Treasurer of the United States, c/o U.F.King Executive Officer, DMEA, 224 New Customhouse, Denver 2 Colorado							186.63 587 42
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3545 92

[illegible]

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

DEC 28 1953

Keating
Betty

224 New Customhouse
Denver 2, Colorado

December 22, 1953

Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheets, Contract No. I-DMA-E4, Docket No. DMA 1 & 1A, Chief Consolidated Mining Company (Lead-Zinc)

Enclosed are settlement sheets covering Lots No. 62 GPU, 63 GPU, 65 GPU, 66 GPU, and 67 GPU for ore shipped by the Chief Consolidated Mining Company to the United States Smelting, Refining and Mining Company.

W. H. King

W. H. King

Enclosures

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

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W H King
W. H. King

Enclosures

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 11, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 28 1953

Purchased From Chief Consolidated Mining Company

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

SP: Eureka, Utah

Ore Crude *Lot No.* 62 CFU *Gold License No.*

Sampled by Midvale *Received* 12-1-53 *Sampled* 12-4-53 *Assayed* 12-5-53

Metal Quotations—Gold 34.9125 *Silver* 90.0 *Copper, N. Y.* *Lead, N. Y.* 13.50 *Zinc* 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.02	9.70	.10	9.50			9.60			.33	.27
D & I	.03	9.80	.20	10.60			10.50			.45	.20
C & N Umpire				9.70			10.20				
Non-Sulphide				.39			.24				
Settlement Assay	.025	9.75	.15	9.31	33.20	5.90	9.96	10.4	9.2		

CAR NOS.	WET WEIGHT
UP 65985	106260
UP 64103	113100
UP 64395	103700
UP 62967	115160
UP 64741	95100
Total Wet Weight	
Sacks	
Net Weight	533320
Less H_2O 2.4 %	12800

METAL VALUE		
Gold 100% @22.4643		56
Silver 70 % @ 90.0	6	14
Copper (		
Lead (	14	86
Zinc	6	37
Gross Value	27	93
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	520520	Payment for	260.260	tons @	24 48	per ton	6371.16
Freight advanced @	1.71	per ton				455.99	
Federal Tax 3%						13.68	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				4.00	
Hauling Charges						$79 99	
Royalty 5% of $5890.49 Treasurer of the United States, c/o N.H.King Executive Officer, DMA, 224 New Customhouse, Denver 2, Colorado						294.52	775 19
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							5595 97

FORM C.P. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY
NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 14, 1953

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Looly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 63 GU Gold License No.

Sampled by Midvale Received 12-1-53 Sampled 12-7-53 Assayed 12-8-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPb	PER CENT OxZn
U. S. S. R. & M. Co.	.015	6.90	tr	7.80			8.80			1.0	.62
D & R	.030	7.00	.20	8.90			9.90			1.0	.60
Union Umpire				8.20			9.34				
Non-Sulphide				1.00			.61				
Settlement Assay	.0225	6.95	.10	7.20	32.40	4.50	8.73	8.40	11.30		

CAR NOS.	WET WEIGHT
UP 62297	105700
UP 62070	92560
UP 64490	98620
UP 64273	101080
UP 62715	101100
Total Wet Weight	
Sacks	
Net Weight	499060
Less H_2O 2.7 %	13474

METAL VALUE		
Gold 100% @22.4643		51
Silver 70 % @ 90.0	4	38
Copper (		
Lead (	11	21
Zinc	5	52
Gross Value	21	62
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	485586	Payment for	242.793	tons @	18 17	per ton	4411.55
Freight advanced @	1.56	per ton				389.27	
Federal Tax 3%						11.68	
Assay Charges						7.00	
~~Sampling or Watching Charges~~ Umpire Charge						8.00	
~~Hauling Charges~~ Royalty 5% of $3995.60 Treasurer of the United States c/o L.H.King, Executive Officer, DTEA, 224 New Customhouse, Denver 2, Colorado						199.78	615 73
Amount Withheld Pending Receipt of Silver Affidavit							
Net Payment							3795 82

FORM S.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

706

Salt Lake City, Utah, December 17, 1953

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Keely Building, Salt Lake City Utah
Mt. Eureka, Utah

Ore Crude Lot No. 65 CPU Gold License No.

Sampled by Hievele Received 12-1-53 Sampled 12-8-53 Assayed 12-9-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxid Zn
U. S. S. R. & M. Co.	.013	6.0	tr	7.40			8.10			.67 .27
B & D	.025	6.3	.20	8.00			8.70			.60 .20
I & H Umpire				7.60			8.60			
Non-Sulphide				.64			.24			
Settlement Assay	.019	6.15	.10	6.96	36.00	5.20	8.36	7.8	10.5	

CAR NOS.	WET WEIGHT
UP 63027	97880
UP 64609	98360
UP 66127	94180
UP 66676	95020
UP 64797	120200
Total Wet Weight	
Sacks	
Net Weight	506140
Less H_2O 2.6 %	13160

METAL VALUE		
Gold 100% @ 22.4613		43
Silver 70 % @ 90.0	3	87
Copper (		
Lead (	10	73
Zinc	5	23
Gross Value	20	26
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 492980	Payment for 246.490	tons @	16 81	per ton	4143.50	
Freight advanced @ 1.56 per ton				384.79		
Federal Tax 3%				11.34		
Assay Charges				7.00		
~~Sampling or Watching Charges~~ Umpire Charge				4.00		
~~Hauling Charges~~ Royalty 5% of $3725.87 Treasurer of the United States				186.29	603	92
c/o W. E. King, Executive Officer, RFC 224 New Customhouse, Denver 2, Colorado						
Amount Withheld Pending Receipt of Silver Affidavit						
Net Payment					3539	58

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

'706

Salt Lake City, Utah, December 17, 1953

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Cooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 6 GPU Gold License No.

Sampled by Midvale Received 12-3-53 Sampled 12-9-53 Assayed 12-10-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT Oxl	PER CENT Oxzn
U. S. S. R. & M. Co.	.02	6.7	tr	5.90			8.10			.97	.53
B & I	.02	6.8	.20	6.70			9.10			1.00	.80
Bardwell Umpire				6.20			8.50				
Non-Sulphide				.99			.67				
Settlement Assay	.02	6.75	.10	5.21	41.5	4.5	7.83	6.70	9.40		

CAR NOS.	WET WEIGHT
UP 63574	74080
UP 62869	98100
UP 64084	82580
UP 64947	100060
UP 63078	102200
Total Wet Weight	
Sacks	
Net Weight	457020
Less H_2O 2.9 %	13254

METAL VALUE		
Gold 100% @ 22.4643		45
Silver 70% @ 90.0	4	25
Copper (		
Lead (	7	89
Zinc	4	89
Gross Value	17	48
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	443766	Payment for	221.883	tons @	14 03	per ton	3113.02
Freight advanced @	81.40	per ton	(Car PG 3574 Minimum 80,000#)			324.06	
Federal Tax 3%						9.72	
Assay Charges						7.00	
Sampling or Watching Charges		Umpire Charge				8.00	
Hauling Charges		Royalty 5% of $2764.24 Treasurer of the United States c/o W.H.King, Executive Officer, DMEA, 224 New Customhouse, Denver 2, Colorado				138.21	486 99
						Amount Withheld Pending Receipt of Silver Affidavit	
						Net Payment	2626 03

FORM C.O. 77-2

706

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, December 17, 1953

Purchased From Chief Consolidated Mining Company

Pay Chief Consolidated Mining Company, 608 Dooly Building, Salt Lake City, Utah
SP: Eureka, Utah

Ore Crude Lot No. 67 GPU Gold License No.

Sampled by Hidvale Received 12-3-53 Sampled 12-9-53 Assayed 12-10-53

Metal Quotations—Gold 34.9125 Silver 90.0 Copper, N. Y. Lead, N. Y. 13.50 Zinc 10.00

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT OxPbOxZn
U. S. S. R. & M. Co.	.015	9.60	tr	11.50			9.20			.23 .18
B & D	.020	10.00	.20	11.80			10.20			.20 .10
C & N Umpire		9.78		11.65 ave.			9.60			
Non-Sulphide				.22			.14			
Settlement Assay	.0175	9.78	.10	11.43	44.4	7.20	9.46	10.6	4.80	

CAR NOS.	WET WEIGHT
UP 65209	
Total Wet Weight	
Sacks	
Net Weight	113700
Less H_2O 2.2 %	2502

METAL VALUE		
Gold 100% @ 22.4643		39
Silver 70 % @ 90.0	6	16
Copper (		
Lead (	18	45
Zinc	6	00
Gross Value	31	00
Less Working Charge	3	45

WORKING CHARGE		
Treatment Base 30% Lead	3	95
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Credit		50
Total Debit	3	45
Iron Credit		
Net Working Charge		

Dry Weight, lbs.	111198	Payment for	55.599	tons @	27 55	per ton	1531.75
Freight advanced @	$1.71	per ton				97.21	
Federal Tax 3%						2.92	
Assay Charges						7.00	
Sampling or Watching Charges	Umpire Charge					8.00	
Hauling Charges	Royalty 5% of $1416.62 Treasurer of the United States					70.83	185 96
c/o W. H. King, Executive Officer, UMA, 224 New Customhouse, Denver 2, Colorado							
					Amount Withheld Pending Receipt of Silver Affidavit		
					Net Payment		1345 79

DEPARTMENT OF THE INTERIOR
Colorado Minerals Administration
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DEC 28 1953