U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

December 5, 1957

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, Docket DMEA 3448 (Tungsten) Contract Idm-E763, Hillside Mining and Milling Company (Black Pearl mine) Yavapar County, Arizona
Period: November, 1957

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
Corr.	9T-51-3	----	$19.29	$19.29		

Royalty

EXTRA COPY
DMEA
RECEIVED
EXT

Totals: $19.29 $19.29

Past Due Royalties Collected none

Total Dry Tons (Ore or Cons.) Shipped to Date Not det.

Original signed by
W. H. KING

Executive Officer

Chron
cc: Royalty File E763 w/settlement sheets
Monthly Royalty Payment File

hmh

U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

December 5, 1957

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty Payments, **Docket DMEA 3448 (Tungsten) Contract Idm-E763, Hillside Mining and Milling Company (Black Pearl mine) Yavapar County, Arizona**
Period: **November, 1957**

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
Corr.	9T-51-3	----	$19.29	$19.29		

12-9 C 220
12/9 WSM 400

Totals: $19.29 $19.29

Past Due Royalties Collected **none**

Total Dry Tons (Ore or Cons.) Shipped to Date **Not det.**

Louis King
Executive Officer

Chron
cc: Royalty File E 763 w/settlement sheets
Monthly Royalty Payment File
hmh

HILLSIDE MINING & MILLING COMPANY

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	ASSAY
9T-51-3	Black Pearl Mixture	12587.2740	62.05*

* This is an umpire settlement.

Shipment	Amount	Lawler Agreement	Tripple Agreement	DMEA Contract	Black Pearl Scholz & Cazier
9T-51-3	$385.83	$ 42.44	$ 3.84	$ 19.29	$ 38.58

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

DMEA
DEPARTMENT OF THE INTERIOR
NOV 14 1957
REGION III
DENVER, COLORADO

Date January 24, 1957

Certificate of Authorization Number 9 T-51-3

TO Hillside Mining & Milling Co.
Bagdad, Arizona

(See Acceptance and Invoice dated January 8, 1957)

Subject to the terms and conditions of the Tungsten Regulation P. L. 733, 84th Congress, establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts ..... pounds (wet (basis) of Tungsten Concentrates (Type .....) containing ..... short ton units of Tungsten trioxide, delivered f. o. b. common carrier's conveyance at ..... consigned to ..... on B/L No. ..... Such material has a moisture content of .....% and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3) Ledoux (uncire)	62.05	Molybdenum (Mo)	
Tin (Sn)		Phosphorus (P)	
Copper (Cu)		Sulphur (S)	
Arsenic (As)		Manganese (Mn)	
Antimony (Sb)		Lead (Pb)	
Bismuth (Bi)		Zinc (Zn)	

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	55.00
Penalties: 2.95% WO3 below 65%, 20 cents for each 1.00%	.59
Total Penalties	.59
Adjusted Base Price — Per S. T. U.	54.41

Gross Wt.		Tare Wt.		Net Wt.								
Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
	–		=	12587.2740	×	62.05	=	7810.1035	or	390.5202	×	54.41	=	21,246.20

ACCEPTANCE

Previous Payt: 20,862.37
Due Vendor: 385.83

Received and Accepted by General Services Administration at San Francisco, Cal.

By (Type name)	Signature	Title
R. E. Reno, Jr.		Regional Director, DMS

For Use of Producer Only

INVOICE

To	Region Number	
General Services Administration	9	San Francisco, California

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due the Vendor	385.83

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States, its Territories and possessions.

Producer (Type name)	Date
Hillside Mining & Milling Co.	
By (Signature)	Title

RECEIVED DEC 9 1957 DMEA

Rec. 2-15-57

GPO 972244

Form R9-281 (9-25-56)

OFFICIAL FILE COPY
DMEA
RECEIVED NOV 4 1957

DATE	INITIALS	CODE
11/4	gb	220
11/4	[illegible]	800
11/4	wsm	400

224 New Customhouse
Denver 2, Colorado

November 1, 1957

Mr. Robert C. Bogart, General Manager
Hillside Mining and Milling Company
Bagdad, Arizona

Re: Docket No. DMEA-3448 (Tungsten)
Contract No. Idm-E763
Hillside Mining & Milling Company
(Black Pearl Mine) Yavapai Co., Ariz.

Dear Mr. Bogart:

On his return from Bagdad, Mr. T. H. Brading, DMEA Auditor, advises us that an additional umpire settlement on General Services Administration Acceptance, and Invoice No. 9T-51-3 was made.

In order that our files may be complete, will you please forward copy of this document, together with your calculation sheet showing proration of Black Pearl portion, and check covering royalty due.

Very truly yours,

Original signed by
E. N. HARSHMAN

for

E. N. Harshman,
Acting Executive Officer,
DMEA Field Team, Region III

THB:bh
cc-Chairman, Op. Comm. (2)
Harshman
DMEA/TUC
Emerick
Royalty File
Townsend
Brading
Corres. File
Chron.

Royalty

U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

224 New Customhouse
Denver 2, Colorado

Date: March 7, 1957

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 3448 (Tungsten), Contract Idm-E763, Hillside Mining & Milling Company (Black Pearl Mine), Yavapai County, Arizona
Period: February, 1957

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
1/8/57	9T-51-3	6.294	$1,043.12	$1,043.12		

3/12 WSM 400

Totals:	6.294	$1,043.12	$1,043.12

Past Due Royalties Collected — None

Total Dry Tons (Ore or Cons.) Shipped to Date — Not determined

Original signed by
E. N. HARSHMAN

for W. M. Traver

Royalty

vj
cc: Royalty File E 763 w/settlement sheets
Monthly Royalty Payment File
W. R. Storms w/settlement sheet
Chron.

HILLSIDE MINING & MILLING COMPANY

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	ASSAY
9T-51-2	Tungstena Scheelite		
9T-51-3	Black Pearl Mixture	12587.2740	61.13*

*This shipment subject to umpire.

Shipment	Amount	Lawler Agreement	Tripple Agreement	DMEA Contract	Black Pearl Schols & Casier
9T-51-3	$20,862.37	$2,294.86	$208.62	$1,043.12	$2,086.24

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date January 8, 1957

Certificate of Authorization Number 9 T-51-3

TO Hillside Mining & Milling Co.
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation P. L. 733, 84th Congress, establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 12600.0 pounds (wet (basis) of Tungsten Concentrates (Type C, Wolframite) containing 384.730 short ton units of Tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona consigned to GSA Warehouse, So. SF, Cal. on B/L No. -- Such material has a moisture content of .101 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	*61.13	Molybdenum (Mo)	0.05
Tin (Sn)	0.01	Phosphorus (P)	0.03
Copper (Cu)	0.01	Sulphur (S)	0.24
Arsenic (As)	Trace	Manganese (Mn)	10.06
Antimony (Sb)	Trace	Lead (Pb)	0.02
Bismuth (Bi)	0.04	Zinc (Zn)	0.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	55.00
Penalties: 3.87% WO3 below 65%, 20 cents for each 1.00%	.774
Total Penalties	.774
Adjusted Base Price — Per S. T. U.	54.226

Gross Wt. 12726.0 Tare Wt. 126.0 Net Wt. 12600.0

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
12600.0	−	12.7260	=	12587.2740	×	61.13	=	7694.6006	or	384.730	×	54.226	=	20,862.37

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name)	Signature	Title
R. E. Reno, Jr.		Regional Director, DPS

For Use of Producer Only

INVOICE

To	Region Number	
General Services Administration	9	San Francisco, California

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	20,862.37

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States, its Territories and possessions.

Producer (Type name)	Date
Hillside Mining & Milling Co.	
(Signature)	Title

72244

E763

Form R9-281 (9-25-56)

RECEIVED
MAR 11 1957
D.M.E.A.

U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

224 New Customhouse
Denver 2, Colorad

Date: February 7, 1957

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field TEam, Region III
Subject: Royalty payments, Docket DMEA 3448 (Tungsten), Contract Idm-E763, Hillside Mining & Milling Companh(Black Pearl Mine), Yavapai County, Arizona
Period: January, 1957

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
12/7/56	9T-51-1	15.897	$4,415.69	$4,415.69		

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 11 1957

DATE	INITIALS	CODE
2-12	C	220
2/12	WSM	400

Totals: 15.897 $4,415.69 $4,415.69

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date Not determined

W. M. Traver

W. M. Traver

vj
cc: Royalty File E 763 w/settlement sheets
Monthly Royalty Payment File
W. R. Storms w/settlement sheet
Chron.

BLACK PEARL ROYALTIES

Shipment	Product	Weight	Corrected Weight	Our Assay	Correct Assay
9T-51-1	June 1st Inventory	5,600	5,616.20	49.08	50.040
	June, July, August & Part of September Production:	48,600	48,740.58	62.05	63.266
		54,200	54,356.78	60.71	61.90

Units 1682.3422
June 1st inventory to be proportioned by same ratio as previous shipment. This amount was remaining after milling of Black Pearl & Tungstona ores together. See Black Pearl Royalties August 2, 1956.

5616.20 @ 50.040% WO_3 = 2810.3465 lbs. WO_3.

	LBS.	UNITS
Tungstona 41.51% =	1166.5748	58.3287
Black Pearl 58.49% =	1643.7717	82.1886
	2810.3465	140.5173

Settlement $91,485.77.

Tungstona	58.3287	@	54.38	=	$ 3,171.91
Black Pearl	1624.0135	@	54.38	=	88,313.86
Total	1682.3422				$91,485.77

BLACK PEARL ROYALTIES
December, 1956

Shipment	Black Pearl's Portion	Lawler Agreement 11%	Tripple Agreement 1%	DMEA Agreement 5%	Black Pearl Scholz & Cazier 10%
9T-51-1	$88,313.86	$9,714.52	$883.14	$4,415.69	$8,831.39

DMEA

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date December 7, 1956

Certificate of Authorization Number 9 T-51-1

TO Hillside Mining & Milling Company
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation P. L. 733, 84th Congress, establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 54415.0 pounds (wet (basis) of Tungsten Concentrates (Type C, Wolframite) containing 1682.3422 short ton units of Tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona consigned to GSA Warehouse, So. SF, Cal. on B/L No. — Such material has a moisture content of 0.107% and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3) Ledoux's Umpire	*61.90	Molybdenum (Mo)	0.10
Tin (Sn)	0.01	Phosphorus (P)	0.04
Copper (Cu)	0.02	Sulphur (S)	0.29
Arsenic (As)	0.01	Manganese (Mn)	10.71
Antimony (Sb)	0.01	Lead (Pb)	0.05
Bismuth (Bi)	0.05	Zinc (Zn)	0.05

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	55.00
Penalties: 3.10% WO3 below 65%, 20 cents for each 1.00%	.62
Total Penalties	.62
Adjusted Base Price — Per S. T. U.	54.38

Gross Wt. 55501.0 Tare Wt. 1086.0 Net Wt. 54415.0

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
54415.0	−	58.2241	=	54356.7759	×	61.90	=	33646.8443	÷	1682.3422	×	54.38	=	91,485.77

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name)	Signature	Title
R. E. Rapp, Jr.		Regional Director, DMS

For Use of Producer Only

INVOICE

To	Region Number	
General Services Administration	9	San Francisco, California

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	91,485.77

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States, its Territories and possessions.

Producer (Type name)	Date
Hillside Mining & Milling Company	
By (Signature)	Title

972244

E 763

Form R9-281 (9-25-56)

HILLSIDE MINING & MILLING COMPANY
August 1, 1956
BLACK PEARL JULY MILL REPORT

WET TONS	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
1,526	5	1,450	0.292	0.069

PRODUCTION

August 1st Inventory			
Sacked for shipment #9-1739-37	28,000		61.52
Jig Conc.	1,300	Est.	70.00
Table Conc.	2,700	Est.	25.00
	32,000		58.78
July 1st Inventory	15,900		58.33
July Production	16,100		59.22

June Production lbs. WO_3 9,534.42

$\frac{9,534.42}{1,450}$ = 6.575 Total recovery lbs/ton.

Hand Sort
600 lbs. @ 70.00 = 420 lbs. WO_3

$\frac{420}{1,450}$ = 0.289 lbs. WO_3 hand sort/ton

Total recovery	6.575 lbs. WO_3/Ton
Hand sort	0.289
Recovered/ton milled	6.286 lbs. WO_3

HILLSIDE MINING & MILLING COMPANY
September 1, 1956
BLACK PEARL AUGUST MILL REPORT

WET TONS	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
1,584	5%	1,505	0.364	0.054

September 1st Inventory:

Jig Conc.	#48	2100	71.08
	49	2100	72.04
	50	2100	68.62
	51	2100	73.16
	52	2100	73.84
Sacks not sampled		1400	Est. 71.74
Table Conc.	78	900	34.04
	79	1900	26.20
	77	1200	41.04
	80	1200	38.00
Estimated Jig		1800	71.00
Estimated Table		1300	15.00
Estimated Table		1500	12.00
		21,700	55.04
Shipment 9-1739-37		28,000	61.52
		49,700	58.69
August 1st Inventory		32,000	58.78
August Production		17,700	58.52

August production lbs. WO_3 10,358.04.

$$\frac{10,358.04}{15.05} = 6.8824 \text{ Total recovery/ton.}$$

E 763

HILLSIDE MINING & MILLING COMPANY
October 1, 1956
BLACK PEARL SEPTEMBER MILL REPORT

WET TONS	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
1,817	5%	1,726	0.285	0.424

October 1st Inventory:			
Jig Conc.	3,800 lbs.	est.	71.00
Table Conc. #86	1,000		24.00
Low-grade to be rerun	3,000	est.	15.00
October 1st Inventory	7,800		43.44
Shipment 9-T-51-1	54,200		60.71
	62,000		58.54
September 1st Inventory	49,700		58.69
September Production	12,300		57.93

12,300 @ 57.93 = 7,125.39 lbs. WO_3

$\frac{7,125.39}{1,726}$ = 4.128 lbs/ton.

E 763

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

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 2 1957

DATE	INITIALS	CODE
	C	

224 New Customhouse
Denver 2, Colorado

December 31, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3448 (Tungsten), Contract Idm-E763, Hillside Mining & Milling Company (Black Pearl Mine), Yavapai County, Arizona

In further response to paragraph 3 of your letter dated December 3, 1956, on the subject contract, and in accord with item "b" of our memorandum dated December 13 to you, we enclose one copy of correspondence and royalty data pertaining to previously unreported production covered by GSA Acceptance & Invoice dated December 7, 1956.

The amount of concentrates covered by this invoice is 12,385 pounds less than that reported as having been shipped in two lots to GSA by Mr. Bogart's letter dated December 10, 1956. We assume the deficiency will be made up when the Operator submits report of the second lot stated as shipped to GSA. Such data of course will be forwarded upon receipt by this office.

W. M. Traver

W. M. Traver

December 26, 1956

DMEA
DEPARTMENT OF THE INTERIOR
DEC 31 1956
REGION III
DENVER, COLORADO

Mr. W. M. Traver, Executive Officer
DMEA Field Team Region III
224 New Custom House
Denver 2, Colorado

Dear Mr. Traver:

Enclosed is our royalty check in the amount of $4,415.69 as the settlement on shipment 9T-51-1. This is the first shipment after 9-1739-36 under the new stockpile program.

Also enclosed are copies of the settlement sheets, together with a breakdown of Tungsten contained. Also enclosed are the mill reports for July, August and September.

The June 1st inventory of 5,600 lbs. was proportioned according to the May mill report which has already been submitted.

Very truly yours,

HILLSIDE MINING & MILLING CO.

Robert C. Bogart

Robert C. Bogart
General Manager

RCB:bp
Enclosures

BLACK PEARL ROYALTIES

Shipment	Product	Weight	Corrected Weight	Our Assay	Correct Assay
9T-51-1	June 1st Inventory	5,600	5,616.20	49.08	50.040
	June, July, August & Part of September Production:	48,600	48,740.58	62.05	63.266
		54,200	54,356.78	60.71	61.90

Units 1682.3422
June 1st inventory to be proportioned by same ratio as previous shipment. This amount was remaining after milling of Black Pearl & Tungstona ores together. See Black Pearl Royalties August 2, 1956.

5616.20 @ 50.040% WO_3 = 2810.3465 lbs. WO_3.

	LBS.	UNITS
Tungstona 41.51% =	1166.5748	58.3287
Black Pearl 58.49% =	1643.7717	82.1886
	2810.3465	140.5173

Settlement $91,485.77.

Tungstona	58.3287	@	54.38	=	$ 3,171.91
Black Pearl	1624.0135	@	54.38	=	88,313.86
Total	1682.3422				$91,485.77

BLACK PEARL ROYALTIES
December, 1956

Shipment	Black Pearl's Portion	Lawler Agreement 11%	Tripple Agreement 1%	DMEA Agreement 5%	Black Pearl Scholz & Cazier 10%
9T-51-1	$88,313.86	$9,714.52	$883.14	$4,415.69	$8,831.39

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date December 7, 1956

Certificate of Authorization Number 9 T-51-1

TO Hillside Mining & Milling Company
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation P. L. 733, 84th Congress, establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 54415.0 pounds (wet (basis) of Tungsten Concentrates (Type C, Wolframite) containing 1682.3422 short ton units of Tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona consigned to GSA Warehouse, So. SF, Cal. on B/L No. — Such material has a moisture content of 0.107% and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3) Ledoux's Umpire	*61.90	Molybdenum (Mo)	0.10
Tin (Sn)	0.01	Phosphorus (P)	0.04
Copper (Cu)	0.02	Sulphur (S)	0.29
Arsenic (As)	0.01	Manganese (Mn)	10.71
Antimony (Sb)	0.01	Lead (Pb)	0.05
Bismuth (Bi)	0.05	Zinc (Zn)	0.05

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	55.00
Penalties: 3.10% WO3 below 65%, 20 cents for each 1.00%	.62
Total Penalties	.62
Adjusted Base Price — Per S. T. U.	54.38

Gross Wt. 55501.0 Tare Wt. 1086.0 Net Wt. 54415.0

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
54415.0	−	58.2241	=	54356.7759	×	61.90	=	33646.8443	÷	1682.3422	×	54.38	=	91,485.77

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name) R. E. Reno, Jr. | Signature | Title Regional Director, DMS

For Use of Producer Only

INVOICE

To General Services Administration | Region Number 9 | San Francisco, California

For Tungsten Concentrates delivered as indicated above | Total Amount Due | Dollars 91,485.77

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States, its Territories and possessions.

Producer (Type name) Hillside Mining & Milling Company | Date

By (Signature) | Title

GPO 972244

Form R9-281 (9-25-56)

HILLSIDE MINING & MILLING COMPANY
August 1, 1956
BLACK PEARL JULY MILL REPORT

WET TONS	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
1,526	5	1,450	0.292	0.069

PRODUCTION

August 1st Inventory			
Sacked for shipment #9-1739-37	28,000		61.52
Jig Conc.	1,300	Est.	70.00
Table Conc.	2,700	Est.	25.00
	32,000		58.78
July 1st Inventory	15,900		58.33
July Production	16,100		59.22

June Production lbs. WO_3 9,534.42

$\frac{9,534.42}{1,450}$ = 6.575 Total recovery lbs/ton.

Hand Sort
600 lbs. @ 70.00 = 420 lbs. WO_3

$\frac{420}{1,450}$ = 0.289 lbs. WO_3 hand sort/ton

Total recovery	6.575 lbs. WO_3/Ton
Hand sort	0.289
Recovered/ton milled	6.286 lbs. WO_3

HILLSIDE MINING & MILLING COMPANY
September 1, 1956
BLACK PEARL AUGUST MILL REPORT

WET TONS	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
1,584	5%	1,505	0.364	0.054

September 1st Inventory:

Jig Conc.	#48	2100	71.08
	49	2100	72.04
	50	2100	68.62
	51	2100	73.16
	52	2100	73.84
Sacks not sampled		1400	Est. 71.74
Table Conc.	78	900	34.04
	79	1900	26.20
	77	1200	41.04
	80	1200	38.00
Estimated Jig		1800	71.00
Estimated Table		1300	15.00
Estimated Table		1500	12.00
		21,700	55.04
Shipment 9-1739-37		28,000	61.52
		49,700	58.69
August 1st Inventory		32,000	58.78
August Production		17,700	58.52

August production lbs. WO_3 10,358.04.

$\frac{10,358.04}{15.05}$ = 6.8824 Total recovery/ton.

HILLSIDE MINING & MILLING COMPANY
October 1, 1956
BLACK PEARL SEPTEMBER MILL REPORT

WET TONS	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
1,817	5%	1,726	0.285	0.424

October 1st Inventory:			
Jig Conc.	3,800 lbs.	est.	71.00
Table Conc. #86	1,000		24.00
Low-grade to be rerun	3,000	est.	15.00
October 1st Inventory	7,800		43.44
Shipment 9-T-51-1	54,200		60.71
	62,000		58.54
September 1st Inventory	49,700		58.69
September Production	12,300		57.93

12,300 @ 57.93 = 7,125.39 lbs. WO_3

$\frac{7,125.39}{1,726}$ = 4.128 lbs/ton.

U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

RECEIVED SEP 13 1956

224 New Customhouse
Denver 2, Colorado

Date: September 11, 1956

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 3448 (Tungsten), Contract Idm-E763, Hillside Mining & Milling Company (Black Pearl Mine), Yavapai County, Arizona
Period: August, 1956

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
12/30/55	9-1739-28		$65.35)			
1956			)	Check in the amount of $1,453.91		
1/23	9-1739-29		53.34)	transmitted to fiscal department		
5/9	9-1739-33		340.21)	in July, 1956 for these shipments.		
6/27	9-1739-34		995.02)			
7/12	9-1739-35		472.00	$472.00		
7/17	9-1739-36		317.91	317.91		
Totals:			$789.91	$789.91		

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date Not determined

W. M. Traver

W. M. Traver

vj
cc: Royalty File E 763 w/settlement sheets
Monthly Royalty Payment File
W. R. Storms w/settlement sheets
Chron.

Denver-3448

DMEA
Date Rec'd.
JUL 27 1956
BUREAU OF MINES
Denver, Colorado

BLACK PEARL ROYALTIES

SHIPMENT	BLACK PEARL'S PORTION	LANLER AGREEMENT 11%	TRIPPLE AGREEMENT 1%	DMEA AGREEMENT 5%	BLACK PEARL 10% (SCHOLTZ & CAZIER)
9-1739-28	$ 1,307.06	$ 143.78	$ 13.07	$ 65.35	———
9-1739-29	1,064.78	117.35	10.67	53.34	———
9-1739-33	6,804.12	748.45	68.04	340.21	———
9-1739-34	19,900.41	2,189.02	199.00	995.01	———

$29,076.37 Total Shipments
12,500.00 Rough Concentrates purchased from Scholtz & Cazier
$16,576.37 Basis of calculation for Scholtz & Cazier $1,657.64

Royalties due through Shipment #34	$3,198.60	$290.78	$1,653.91	$1,657.64

Less:
Estimate production from Jig tails purchased from Scholz & Cazier*

$ 1,070.37*	117.74
	$3,080.86

*Calculation for deduction Lanler Agreement.
10,000 lbs. treated @ 5.72% WO_3 = 572 lbs. WO_3 contained.
572 @ 60% recovery = 343.2 lbs. WO_3 recovered.
343.2 @ $3.1186 per lb. = $1,070.37 estimated recovered.

xxxxxxxxxxxxxxxxxxxxxxxxxx

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	CORRECTED WEIGHT SETTLEMENT	OUR ASSAY	CORRECTED ASSAY SETTLEMENT
9-1739-28	Black Pearl (Purchased from Schelitz & Cazier)	1,200	1,197.996	70.04	68.861
	Table Conc. #42	1,900	1,896.827	65.64	64.535
	Table Conc. #43	2,100	2,096.493	66.26	65.145
	Table Conc. #44	1,700	1,697.161	66.48	65.361
	Table Conc. #45	1,100	1,098.163	65.00	63.906
	Mica Re-run	400	399.332	54.44	53.524
	Jig #26	1,200	1,197.996	71.71	70.503
	Jig #27	1,000	998.331	71.00	69.805
	Black Pearl (Mined by Hillside Mining & Milling Co.)	600	598.998	70.78	69.586
	Mica Product	110	109.816	56.31	55.362
	Black Pearl Test-run	231	230.614	33.84	33.270
	Mica Re-run	675	673.873	56.31	55.362
	Remains Shipment #26	84	83.859	63.00	61.940
		12,300	12,279.4590	65.94	64.83

Settlement: $\frac{\$24,963.40}{7,960.7733 \text{ lbs.} WO_3}$ = $3.1358 per lb. WO_3

Black Pearl: 598.998 lbs. @ 69.586% = 416.819 lbs. WO_3

Black Pearl's share: 416.819 x $3.1358 = $ 1,307.06
Tungstona's share: 23,656.34
TOTAL SHIPMENT: $24,963.40

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date December 30, 1955

Certificate of Authorization Number 9-1739-28 RECEIVED SEP 13 1956

TO The Valley National Bank of Phoenix, Assignee of Hillside Mining & Milling Company, Phoenix, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 12300 pounds (wet basis) of Tungsten Concentrates (Type C Wolframite) containing 398.0387 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona, consigned to GSA Whse., So. S. F., Calif. on B/L No. — Such material has a moisture content of 0.167 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.83*	Molybdenum (Mo)	0.07
Tin (Sn)	0.01	Phosphorus (P)	0.06*
Copper (Cu)	0.04	Sulphur (S)	0.28
Arsenic (As)	trace	Manganese (Mn)	10.27
Antimony (Sb)	trace	Lead (Pb)	0.08
Bismuth (Bi)	0.09	Zinc (Zn)	0.05

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	
0.17% WO3 below 65%; 20 cents for each 1.00%	.034
0.01% Phosphorus above 0.05%; 25 cents for each 0.01%	.25
Total Penalties	.284
Adjusted Base Price — Per S. T. U.	62.716

Gross Wt. 12546 Tare Wt. 246 Net Wt. 12300

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
12300	−	20.5410	=	12279.4590	×	64.83	=	7960.7733	or	398.0387	×	62.716	=	24,963.40

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name) R. E. Reno, Jr. Signature R. E. Reno Jr. Title Deputy Regional Director, EPS

For Use of Producer Only

INVOICE

To General Services Administration | Region Number 9 | San Francisco, California

For Tungsten Concentrates delivered as indicated above | Total Amount Due | Dollars 24,963.40

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name) Hillside Mining & Milling Company | Date

By (Signature) | Title

Form R9-281 (12/5/52)

GPO 969622

E763

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	CORRECTED WEIGHT SETTLEMENT	OUR ASSAY	CORRECTED ASSAY SETTLEMENT
9-1739-29	Black Pearl hand-sort	500	501.0189	70.00	68.789
	Jig Conc. #28	2,300	2,304.6891	71.46	70.224
	Table Conc. #47	2,600	2,605.3008	64.50	63.384
	Table Conc. #46	2,400	2,404.8930	62.00	60.927
	Table Conc. #48	2,900	2,905.9134	63.64	62.539
	Remains Shipment #28	100	100.2032	65.48	64.347
	Misc. Products	800	801.6306	55.00	54.049
		11,600	11,623.6480	64.74	63.62

Payment: $22,663.37
Umpire Adj.: 226.40
Settlement: $22,889.77

$$\frac{\$22,889.77}{7394.9649} = \$3.0953 \text{ per lb. } WO_3$$

Black Pearl: 501.0189 lbs. @ 68.789% = 344.646 lbs. WO_3

Black Pearl's share: 344.646 lbs. x $3.0953 = $ 1,066.78
Tungstona's share: 21,822.99
TOTAL SHIPMENT: $22,889.77

9-1739-30 Scheelite from Tungstona.

9-1739-31 No Black Pearl contained.

9-1739-32 No Black Pearl contained.

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	CORRECTED WEIGHT SETTLEMENT	OUR ASSAY	CORRECTED ASSAY SETTLEMENT
9-1739-33	Black Pearl hand-sort	700	698.222	71.22	70.972
	" " " "	400	398.984	71.88	71.629
	" " " "	2,000	1,994.920	70.86	70.613
	Re-run table	1,000	997.460	46.16	45.999
	Table Conc.	1,900	1,895.174	62.98	62.761
	Jig Conc. #31	800	797.968	69.80	69.557
	Mica Product	100	99.746	42.00	41.853
		6,900	6,882.474	64.665	64.44

Settlement: $\frac{\$13,779.31}{4,435.0662}$ = $3.1069 per lb. WO

Black Pearl: 698.222 lbs. @ 70.972% = 495.542
398.984 lbs. @ 71.629% = 285.788
1,994.920 lbs. @ 70.613% = 1,408.673
2,190.003 lbs. WO_3

Black Pearl's share: 2,190.003 lbs. @ $3.1069 = $ 6,804.12
Tungstona's share: 6,975.19
TOTAL SHIPMENT: $13,779.31

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	CORRECTED WEIGHT SETTLEMENT	OUR ASSAY	CORRECTED ASSAY SETTLEMENT
9-1739-34	Black Pearl & Tungstons Mixed.				
	Table Cons.	1,300		51.00	
	Re-separated	4,600		48.46	
	Re-tabled	2,300		58.76	
	Jig Cons.	2,200		70.94	
	Jig Cons.	7,800		69.09	
		18,200	18,204.1486	61.46	61.88

Settlement: $\frac{\$35,132.43}{11,264.7272 \text{ lbs. } WO_3}$ = $3.1188 per lb. WO_3

Breakdown based on mill report in April containing 17,400 lbs. rough concentrate.

Black Pearl: 56.644% @ $35,132.43 = $19,900.41
Tungstons: 43.356% @ $35,132.43 = $15,232.02
TOTAL SHIPMENT: $35,132.43

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date June 27, 1956

Certificate of Authorization Number 9-1739-34

RECEIVED
SEP 13 1956

TO Hillside Mining & Milling Co.
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 18220 pounds (wet basis) of Tungsten Concentrates (Type C Wolframite) containing 563.2364 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona, consigned to GSA, EPS Whse, So. S.F., Calif. on B/L No. - Such material has a moisture content of 0.087 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	61.88*	Molybdenum (Mo)	0.07
Tin (Sn)	0.01	Phosphorus (P)	0.03
Copper (Cu)	0.02	Sulphur (S)	0.28
Arsenic (As)	0.02	Manganese (Mn)	9.59
Antimony (Sb)	0.01	Lead (Pb)	0.04
Bismuth (Bi)	0.04	Zinc (Zn)	0.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: 3.12% WO3 below 65%; 20 cents for each 1%	.624
Total Penalties	.624
Adjusted Base Price — Per S. T. U.	62.376

Gross Wt. 19074 Tare Wt. 854 Net Wt. 18220

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
18220	−	15.8514	=	18204.1486	×	61.88	=	11264.7272		563.2364	×	62.376	=	35,132.43

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name) R. E. Reno, Jr. Signature [signature] Title Deputy Regional Director, EPS

For Use of Producer Only

INVOICE

To General Services Administration | Region Number 9 | San Francisco, California

For Tungsten Concentrates delivered as indicated above | Total Amount Due | Dollars 35,132.43

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name) Hillside Mining & Milling Co. | Date

By (Signature) | Title

E763

Form R9-281 (12/5/52)

GPO 971246

HILLSIDE MINING & MILLING CO.

BLACK PEARL & TUNGSTONA MILL REPORT

APRIL, 1956

WET TONS MILLED	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
4,363	5	4,145	0.240	0.049

Dry Tons milled belt weight 4,145

Black Pearl hauled
119 loads @ 17 Tons = 2,023

2,023 @ 5% H_2O = Dry Tons 1,922

TUNGSTONA PRODUCTION DRY TONS 2,223

PRODUCTION NEAR GRADE CONCENTRATES

Product	Lbs.	% WO_3
Table Conc. #58	1,300	51.00
Table Conc. Ratable	2,300	58.76
Table Conc. Reseparated	4,700	48.46
Jig Conc. #33	1,700	67.86
Jig Conc. #30	4,000	69.57
Jig Conc.	2,100	71.08
Table Conc. #63	600	44.58
Table Conc. Est.	400	44.50
Jig Conc. Est.	300	70.00
	17,400	59.636

Above Concentrates	10,376.68 lbs. WO_3
Tungstona 2,223 Tons @ 2.0238	4,498.91
Black Pearl Production	5,877.77 lbs. WO_3

BLACK PEARL ROYALTIES
August 2, 1956

SHIPMENT	BLACK PEARL'S PORTION	LAWLER AGREEMENT 11%	TRIPPLE AGREEMENT 1%	DMEA AGREEMENT 5%	BLACK PEARL (SCHOLZ & CAZIER) 10%
9-1739-35	9,439.92	1,038.39	94.40	472.00	943.99
9-1739-36	6,358.27	699.41	63.58	317.91	635.83
	$ 15,798.19	$ 1,737.80	$ 157.98	$ 789.91	$ 1,579.82
Less:*	1,077.65	118.54	(estimated production from jig tails purchased from Scholz & Cazier)		
		$ 1,619.26			

* Calculation for deduction - Lawler Agreement

10,000 lbs. treated at 5.72% WO_3 = 572 lbs WO_3 contained.
572 lbs. at 60 % recovery = 343.2 lbs. WO_3 recovered.
343.2 at $3.14 per lb. = $1,077.65 estimated recovered.

BLACK PEARL ROYALTIES
August 2, 1956

SHIPMENT	PRODUCT	WEIGHT	CORRECT WT.	OUR ASSAY	CORREDT ASSAY
9-1739-35	Jig Conc.	5,000		70.82	
	Table Conc. # 67	2,100		48.68	
	# 68	1,100		46.96	
	Jig Conc.	400		70.00	
		8,600	8,592.1740	62.32	60.68

Settlement $ 16,139.37

Breakdown based on mill report for May containing 20,200 lbs. rough & concentrate.

Tungstona	41.51 %	at	$ 16,139.37	=	$	6,699.45
Black Pearl	58.49 %	"	16,139.37	=		9,439.92
	Total Shipment				$	16,139.37

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date July 12, 1956

Certificate of Authorization Number 9-1739-35

RECEIVED SEP 13 1956

TO Hillside Mining & Milling Co.
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 8600 pounds (wet basis) of Tungsten Concentrates (Type C Wolframite) containing 260.6866 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona, consigned to GSA, EPS Whse, So. S.F., Calif. on B/L No. — Such material has a moisture content of 0.091 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	60.68*	Molybdenum (Mo)	0.08
Tin (Sn)	trace	Phosphorus (P)	0.03
Copper (Cu)	0.03	Sulphur (S)	0.59*
Arsenic (As)	0.01	Manganese (Mn)	10.48
Antimony (Sb)	0.01	Lead (Pb)	0.04
Bismuth (Bi)	0.10	Zinc (Zn)	0.03

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
4.32% WO3 below 65%; 20 cents for each 1.00%	.864
0.09% Sulphur above 0.50%; 25 cents for each 0.10%	.225
Total Penalties	1.089
Adjusted Base Price — Per S. T. U.	61.911

Gross Wt. 9006 Tare Wt. 406 Net Wt. 8600

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
8600	−	7.8260	=	8592.1740	×	60.68	=	5213.7312	or	260.6866	×	61.911	=	16,139.37

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name) R. E. Reno, Jr. Signature [signature] Title Deputy Regional Director, EPS

For Use of Producer Only

INVOICE

To General Services Administration. Region Number 9 San Francisco, California

For Tungsten Concentrates delivered as indicated above. Total Amount Due Dollars 16,139.37

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name) Hillside Mining & Milling Co. Date

By (Signature) Title

GPO 969622 E763 Form R9-281 (12/5/52)

BLACK PEARL ROYALTIES
August 2, 1956

SHIPMENT	PRODUCT	WEIGHT	CORRECT WT.	OUR ASSAY	CORRECT ASSAY
9-1739-36	Re-tabled Conc.	1,900		69.52	
	Jig Conc.	1,600		71.10	
	Table " # 68	1,700		46.96	
	Table Conc.	200		46.30	
		5,400	5,397.1920	62.03	64.12

Settlement $ 10,870.69

Breakdown based on mill report of May, 1956

Tungstona	41.51 %	at	$ 10,870.69	=	$	4,512.42
Black Pearl	58.49	"	"			6,358.27
					$	10,870.69

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date July 17, 1956

Certificate of Authorization Number 9-1739-3

RECEIVED SEP 13 1956

TO Hillside Mining & Milling Co.
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 5400 pounds (wet basis) of Tungsten Concentrates (Type C. Wolframite) containing 173.0340 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona, consigned to GSA FPS Whse., So. S.F., Calif. on B/L No. — Such material has a moisture content of 0.052% and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.12*	Molybdenum (Mo)	0.09
Tin (Sn)	0.01	Phosphorus (P)	0.03
Copper (Cu)	0.02	Sulphur (S)	0.10
Arsenic (As)	0.01	Manganese (Mn)	11.31
Antimony (Sb)	0.01	Lead (Pb)	0.09
Bismuth (Bi)	0.10	Zinc (Zn)	0.03

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: 0.88% WO3 below 65%; 20 cents for each 1%	.176
Total Penalties	.176
Adjusted Base Price — Per S. T. U.	62.824

Gross Wt. 5634 Tare Wt. 234 Net Wt. 5400

Net Wet Lbs.	Moisture Content	Net Dry Lbs.	Percent WO3	Lbs. WO3	S. T. U. WO3	Adjusted Base Price	Payment
5400	− 2.8080	= 5397.1920 ×	64.12*	3460.6795	or 173.0340 ×	62.824 =	10,870.69

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name) E. E. Reno, Jr. Signature [illegible] Title Deputy Regional Director, EMS

For Use of Producer Only

INVOICE

To General Services Administration | Region Number 9 | San Francisco, California

For Tungsten Concentrates delivered as indicated above | Total Amount Due | Dollars 10,870.69

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name) Hillside Mining & Milling Co. | Date

By (Signature) | Title

GPO 871246

E763

Form R9-281 (12/5/52)

HILLSIDE MINING & MILLING CO.

BLACK PEARL MILL REPORT
June 1, 1956

WET TONS	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
4,637	5%	4,405	0.301	0.068

Dry tons milled belt weight		4,405
Black Pearl hauled:		
115 loads @ 17 Tons = 1,955		
1,955 @ 5% H_2O = Dry tons		1,857
Tungstona production dry tons		2,548

PRODUCTION

			Our Assay
Shipment 9-1739-34		18,200	62.70
Shipment 9-1739-35		8,600	61.68
Shipment 9-1739-36		5,400	63.28
		32,200	62.52
June 1st inventory:	1100	71.00	
	2100	47.62	
	2200	40.30	
	5400	49.40 5,400	49.40
		37,600	60.64
April 1st inventory:		17,400	59.64
Production May, 1956:		20,200	61.50

Concentrates contained: 12,423.00 Lbs. WO_3
Tungstona contained 2,548 @ 2.0238 5,156.64

Black Pearl contained: 7,266.36

$\frac{7,266.36}{1,857}$ = 3.913 lbs. WO_3/Ton recovered Black Pearl Ore

Tungstona % 41.51
Black Pearl % 58.49

400

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

224 New Customhouse
Denver 2, Colorado

August 16, 1956

Memorandum

WSM

To: W. R. Storms

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty Determination, Docket DMEA 3448 (Tungsten), Contract Idm-E763, Hillside Mining and Milling Company (Black Pearl Mine), Yavapai County, Arizona

Enclosed is copy of operator's letter of transmittal dated August 13, 1956, with copies of settlement sheets on shipments 9-1739-35 and 36, breakdown of Tungsten contained, and mill report sheet for May.

This material will enable your examining engineer to comply to request made in our memorandum of July 30, 1956.

W. M. TRAVER

W. M. Traver

Enclosure

MEM/vj

cc: Royalty File E763
Corres. File E763
Sec. Opr. Comm. (2)
Marshall
Chron.

RECEIVED

Royalty

U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

224 New Customhouse
Denver 2, Colorado

Date: August 8, 1956

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 3448 (Tungsten), Contract Idm-E763, Hillside Mining & Milling Company (Black Pearl Mine), Yavapai County, Arizona
Period: July, 1956

WSM

Enclosed are settlement sheets for which royalty payments were received for ore or concentrates shipped from the subject property during the above month:

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
	9-1739-28)					
	9-1739-29)			$1,453.91		
	9-1739-33)					
	9-1739-34)					

Corrected settlement sheets requested for above shipments.

Totals:

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date ----

W. M. Traver

W. M. Traver

vj
cc: Royalty File E 763 w/settlement sheets
Monthly Royalty Payment File
W. R. Storms
Chron.

R 406

RECEIVED
APR 20 1956

U. S. DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

224 New Customhouse
Denver 2, Colorado

Date: April 18, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty payments, DMEA Docket 3448 (Tungsten), Contract Idm-E763, Hillside Mining & Milling Co. (formerly Black Pearl Mining Company) - Arizona

Period: March, 1956

WSM

During the above month the following royalty payments were received for ore or concentrates shipped from the subject property:

Lot No.	Dry Tons	Royalty Due	Royalty Pd.

(NONE)

Royalty

Totals:

Past Due Royalties Collected	None
Total Dry Tons (Ore or Cons.) Shipped to Date	228.91
Expiration Date of Royalty Repayment	Not determined
Amount of Government Participation	" "
Total Royalty Payments to Date	$292.82
Percent of Loan Repayment	-- --

W. M. Traver

W. M. Traver

vj
cc Royalty File E 763 w/Settlement Sheets
Monthly Royalty Payment File
~~T. A. Christensen~~
W. R. Storms
Chron.

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date December 30, 1955

Certificate of Authorization Number 9-1739-28

TO The Valley National Bank of Phoenix, Assignee of
Billiteds Mining & Milling Company
Phoenix, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 12300 pounds (wet basis) of Tungsten Concentrates (Type C Wolframite) containing 398.0387 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona, consigned to GSA Whse., So. S. F., Calif. on B/L No. [illegible] Such material has a moisture content of 0.167 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.83	Molybdenum (Mo)	0.07
Tin (Sn)	0.01	Phosphorus (P)	0.06
Copper (Cu)	0.04	Sulphur (S)	0.28
Arsenic (As)	trace	Manganese (Mn)	10.27
Antimony (Sb)	trace	Lead (Pb)	0.08
Bismuth (Bi)	0.02	Zinc (Zn)	0.05

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*))— Per S. T. U.	63.00
Penalties	Dollars
0.17% WO3 below 65%, 20 cents for each 1.0%	.04
0.06% Phosphorus above 0.05%, 25 cents for each 0.01%	.25
Total Penalties	.29
Adjusted Base Price — Per S. T. U.	62.71

Gross Wt. 12596 Tare Wt. 296 Net Wt. 12300

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
12300	−	20.5320	=	12279.4680	×	64.83	=	7960.7733	or	398.0387	×	62.71	=	24,963.40

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name)	Signature	Title
R. E. Ross, Jr.	[illegible]	Deputy Regional Director, [illegible]

For Use of Producer Only

INVOICE

To	Region Number	
General Services Administration	9	San Francisco, California

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	24,963.40

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Billiteds Mining & Milling Company	Dec 12-56
By (Signature)	Title

GPO 908622

Form R9-281 (12/5/52)

E763

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date January 23, 1956

Certificate of Authorization Number 9-2739-29

TO The Valley National Bank of Phoenix, Assignee of
Hillside Mining & Milling Company
Phoenix, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 11655 pounds (wet basis) of Tungsten Concentrates (Type C Wolframite) containing 366.3774 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona, consigned to GSA Wkhse., So. S. F., Calif. on B/L No. — Such material has a moisture content of 0.269 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	63.04	Molybdenum (Mo)	0.12
Tin (Sn)	0.01	Phosphorus (P)	0.08
Copper (Cu)	0.02	Sulphur (S)	0.34
Arsenic (As)	0.01	Manganese (Mn)	10.33
Antimony (Sb)	0.01	Lead (Pb)	0.06
Bismuth (Bi)	0.09	Zinc (Zn)	0.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	
1.96% WO3 below 65%; 20 cents for each 1%	.392
0.03% Phosphorus above 0.05%; 25 cents for each 0.01%	.75
Total Penalties	1.142
Adjusted Base Price — Per S. T. U.	61.858

Gross Wt. 12201 Tare Wt. 546 Net Wt. 11655

Net Wet Lbs.	Moisture Content	Net Dry Lbs.	Percent WO3	Lbs. WO3	S. T. U. WO3	Adjusted Base Price	Payment
11655	31.3520 =	11623.6480 ×	63.04 =	7327.5477 or	366.3774 ×	61.858 =	22,663.37

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name) R. E. Rene, Jr. Signature [signature] Title Deputy Regional Director, EPS

For Use of Producer Only

INVOICE

To General Services Administration Region Number 9 San Francisco, California

For Tungsten Concentrates delivered as indicated above Total Amount Due Dollars 22,663.37

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name) Hillside Mining & Milling Company Date

By (Signature) Title

Form R9-381 (12/5/52)

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date March 8, 1956

Certificate of Authorization Number 9-1739-25

TO Millsite Mining & Milling Company
Imriad, Arizona

(See Acceptance Invoice dated January 23, 1956)

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts ..... pounds (wet basis) of Tungsten Concentrates (Type .....) containing ..... short ton units of tungsten trioxide, delivered f. o. b common carrier's conveyance at ....., consigned to ..... on B/L No. ..... Such material has a moisture content of ..... % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3) Sodaxx (Empire)	63.62	Molybdenum (Mo)	
Tin (Sn)		Phosphorus (P)	
Copper (Cu)		Sulphur (S)	
Arsenic (As)		Manganese (Mn)	
Antimony (Sb)		Lead (Pb)	
Bismuth (Bi)		Zinc (Zn)	

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
EMPIRE ADJUSTMENT - WO3	
1.38% WO3 below 65%; 20 cents for each 1%	.2760
Phosphorus same as Invoice dtd 1/23/56 -	.75
Total Penalties	1.026
Corrected Adjusted Base Price — Per S. T. U.	61.974

Gross Wt.		Tare Wt.		Net Wt.								
Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S T U. WO3		Adjusted Base Price		Payment
	—		=	11623.6680	×	63.62	=	7394.9649	or	369.7482	×	61.974	=	22,914.77

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, Calif.

By (Type name)	Signature	Title
R. E. Reno, Jr.	[signature]	Deputy Regional Director, EPS

	22,914.77
less previous payment	22,663.37
	251.40
less empire cost	25.00
	226.40

For Use of Producer Only

INVOICE

To	Region Number	
General Services Administration	9	San Francisco, California

For		Dollars
Tungsten Concentrates delivered as indicated above	Balance Total Amount Due	226.40

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Millsite Mining & Milling Company	3-26-56
By (Signature)	Title

GPO 968022

E763

Form D94-2K (12-7-55)

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: May 9, 1956

Certificate of Authorization Number: 9-1739-33

TO Hillside Mining & Milling Co.
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 6900 pounds (wet basis) of Tungsten Concentrates (Type C Wolframite) containing 221.7533 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Ariz., consigned to GSA Whse., So. S. F., Calif. on B/L No. - Such material has a moisture content of 0.254% and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.44	Molybdenum (Mo)	0.08
Tin (Sn)	trace	Phosphorus (P)	0.08a
Copper (Cu)	0.02	Sulphur (S)	0.33
Arsenic (As)	0.01	Manganese (Mn)	10.29
Antimony (Sb)	0.01	Lead (Pb)	0.08
Bismuth (Bi)	0.08	Zinc (Zn)	0.02

EVALUATION AND SETTLEMENT DATA

Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	Dollars
	63.00
Penalties	Dollars
0.56% WO3 below 65%; 20 cents for each 1.00%	.112
0.03% Phosphorus above 0.05%; 25 cents for each 0.01%	.75
Total Penalties	.862
Adjusted Base Price — Per S. T. U.	62.138

Gross Wt. 7222 Tare Wt. 322 Net Wt. 6900

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
6900	-	17.5260	=	6882.4740	×	64.44	=	4435.0668	÷	221.7533	×	62.138	=	13,779.31

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name): R. E. Bunn, Jr.
Signature: [signature]
Title: Deputy Regional Director, EPS

For Use of Producer Only

INVOICE

To: General Services Administration
Region Number: 9
San Francisco, California

For: Tungsten Concentrates delivered as indicated above

Total Amount Due: Dollars 13,779.31

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name): Hillside Mining & Milling Co.
Date: 5-24-56
By (Signature):
Title:

GPO 969622

E763

Form R9-281 (12/5/52)

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date June 27, 1956

Certificate of Authorization Number 2-1739-34

TO Hillside Mining & Milling Co.
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 18220 pounds (wet basis) of Tungsten Concentrates (Type C Wolframite) containing 563.2364 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona, consigned to GSA, EPS Whse, So. S.F., Calif. on B/L No. —. Such material has a moisture content of 0.087 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	61.88*	Molybdenum (Mo)	0.07
Tin (Sn)	0.01	Phosphorus (P)	0.03
Copper (Cu)	0.02	Sulphur (S)	0.28
Arsenic (As)	0.02	Manganese (Mn)	9.59
Antimony (Sb)	0.01	Lead (Pb)	0.04
Bismuth (Bi)	0.04	Zinc (Zn)	0.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S T U.	63.00
Penalties: 3.12% WO3 below 65%; 20 cents for each 1%	.624
Total Penalties	.624
Adjusted Base Price — Per S. T. U.	62.376

Gross Wt. 19074 Tare Wt. 854 Net Wt. 18220

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
18220	−	15.8514	=	18204.3486	×	61.88	=	11264.7272	÷	563.2364	×	62.376	=	35,132.43

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name) R. E. Reno, Jr. Signature [signature] Title Deputy Regional Director, EPS

For Use of Producer Only

INVOICE

To General Services Administration | Region Number 9 | San Francisco, California

For Tungsten Concentrates delivered as indicated above | Total Amount Due | Dollars 35,132.43

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name) Hillside Mining & Milling Co. | Date

By (Signature) | Title

E763

Form R9-281 (12/5/52)

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

July 12, 1956

Certificate of Authorization Number 9-1739-35

TO Hillside Mining & Milling Co.
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 8600 pounds (wet basis) of Tungsten Concentrates (Type C. Wolframite) containing 260.6866 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona, consigned to GSA, EPS Whse, So. S.F., Calif on B/L No. ..... Such material has a moisture content of 0.097% and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	60.68	Molybdenum (Mo)	0.08
Tin (Sn)	trace	Phosphorus (P)	0.03
Copper (Cu)	0.03	Sulphur (S)	0.59
Arsenic (As)	0.01	Manganese (Mn)	10.48
Antimony (Sb)	0.01	Lead (Pb)	0.04
Bismuth (Bi)	0.10	Zinc (Zn)	0.03

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
4.32% WO3 below 65%; 20 cents for each 1.00%	.864
0.09% Sulphur above 0.50%; 25 cents for each 0.10%	.225
Total Penalties	1.089
Adjusted Base Price — Per S. T. U.	61.911

Gross Wt. 9006 Tare Wt. 406 Net Wt. 8600

Net Wet Lbs.	Moisture Content	Net Dry Lbs.	Percent WO3	Lbs. WO3	S. T. U. WO3	Adjusted Base Price	Payment
8600	− 7.8260	= 8592.1740	× 60.68	= 5213.7312	or 260.6866	× 61.911 =	16,139.37

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name) R. E. Rena, Jr. Signature [illegible] Title Deputy Regional Director, EPS

For Use of Producer Only

INVOICE

To General Services Administration Region Number 9 San Francisco, California

For Tungsten Concentrates delivered as indicated above

Total Amount Due Dollars 16,139.37

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name) Hillside Mining & Milling Co. Date

By (Signature) Title

GPO 869632

E763

Form RS-281 (12/5/52)

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date July 17, 1956

Certificate of Authorization Number 9-1739-36

TO Hillside Mining & Milling Co.
Bagdad, Arizona

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 5400 pounds (wet basis) of Tungsten Concentrates (Type C Wolframite) containing 173.0340 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Bagdad, Arizona consigned to GSA EPS Mine., San Fr., Calif. on B/L No. [illegible]. Such material has a moisture content of [illegible] and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.12	Molybdenum (Mo)	0.09
Tin (Sn)	0.03	Phosphorus (P)	0.03
Copper (Cu)	0.02	Sulphur (S)	0.30
Arsenic (As)	0.01	Manganese (Mn)	11.37
Antimony (Sb)	0.01	Lead (Pb)	0.07
Bismuth (Bi)	0.10	Zinc (Zn)	0.03

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: 0.8% WO3 below 65% 20 cents for each 1%	.176
Total Penalties	.176
Adjusted Base Price — Per S. T. U.	62.824

Gross Wt. 5620 Tare Wt. 220 Net Wt. 5400

Net Wet Lbs.	Moisture Content	Net Dry Lbs.	Percent WO3	Lbs. WO3	S. T. U. WO3	Adjusted Base Price	Payment
5400	2.0000	5397.1000	64.12	3460.6756	173.0340	62.824	10,870.69

ACCEPTANCE

Received and Accepted by General Services Administration at San Francisco, California

By (Type name) E. E. Ryan, Jr. Signature [illegible] Title Deputy Regional Director, SF3

For Use of Producer Only

INVOICE

To General Services Administration | Region Number 9 | San Francisco, California

For Tungsten Concentrates delivered as indicated above | Total Amount Due | Dollars 10,870.69

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name) Hillside Mining & Milling Co. | Date

By (Signature) | Title

E763

GPO 978168 Form R9-281 (12/5/52)

HILLSIDE MINING & MILLING CO.

BLACK PEARL & TUNGSTONA MILL REPORT

APRIL, 1956

WET TONS MILLED	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
4,363	5	4,145	0.240	0.049

Dry Tons milled belt weight 4,145

Black Pearl hauled
119 loads @ 17 Tons = 2,023

2,023 @ 5% H_2O = Dry Tons 1,922

TUNGSTONA PRODUCTION DRY TONS 2,223

PRODUCTION NEAR GRADE CONCENTRATES

Product	Lbs.	% WO_3
Table Conc. #58	1,300	51.00
Table Conc. Ratable	2,300	58.76
Table Conc. Reseparated	4,700	48.46
Jig Conc. #33	1,700	67.86
Jig Conc. #3C	4,000	69.57
Jig Conc.	2,100	71.08
Table Conc. #63	600	44.58
Table Conc. Est.	400	44.50
Jig Conc. Est.	300	70.00
	17,400	59.636

Above Concentrates	10,376.68 lbs. WO_3
Tungstona 2,223 Tons @ 2.0238	4,498.91
Black Pearl Production	5,877.77 lbs. WO_3

$\frac{5,877.77}{1,922}$ = 3.058 lbs. WO_3/Ton recovered from Black Pearl.

HILLSIDE MINING & MILLING CO.

BLACK PEARL MILL REPORT
June 1, 1956

WET TONS	% H_2O	DRY TONS MILLED	ASSAY HEADS	ASSAY TAILS
4,637	5%	4,405	0.301	0.068

Dry tons milled belt weight	4,405
Black Pearl hauled:	
115 loads @ 17 Tons = 1,955	
1,955 @ 5% H_2O = Dry tons	1,857
Tungstona production dry tons	2,548

PRODUCTION:

				Our Assay
Shipment 9-1739-34			18,200	62.70
Shipment 9-1739-35			8,600	61.68
Shipment 9-1739-36			5,400	63.28
			32,200	62.52
June 1st inventory:	1100	71.00		
	2100	47.62		
	2200	40.30		
	5400	49.40	5,400	49.40
			37,600	60.64
April 1st inventory:			17,400	59.64
Production May, 1956:			20,200	61.50

Concentrates contained: 12,423.00 Lbs. WO_3
Tungstona contained 2,548 @ 2.0238 5,156.64

Black Pearl contained: 7,266.36

$\frac{7,266.36}{1,857}$ = 3.913 lbs. WO_3/Ton recovered Black Pearl Ore

Tungstona % 41.51
Black Pearl % 58.49

JUL 1956

BLACK PEARL ROYALTIES

SHIPMENT	BLACK PEARL'S PORTION	LANDER AGREEMENT 11%	TRIPPLE A AGREEMENT 1%	CRA AGREEMENT 5%	BLACK PEARL 10% (SEE NO. 2 & CASIER)
9-1739-28	$ 1,307.06	$ 143.78	$ 13.07	$ 65.35	------
9-1739-29	1,066.78	117.35	10.67	53.34	------
9-1739-33	6,804.12	748.45	68.04	340.21	------
9-1739-34	19,900.41	2,189.00	199.00	995.01	------

$29,078.37 Total Shipments
12,500.00 Rough Concentrates purchased from Scholts & Casier
$16,578.37 Basis of calculation for Scholts & Casier $1,657.84

Royalties due through Shipment #34	$3,198.60	$290.78	$1,453.91	$1,657.84

Less:
Estimate production from Jig tails purchased from Scholz & Casier*

$ 1,070.37*	117.74
	$3,080.86

*Calculation for deduction Lander Agreement.
10,000 lbs. treated @ 5.72% WO_3 = 572 lbs. WO_3 contained.
572 @ 60% recovery = 343.2 lbs. WO_3 recovered.
343.2 @ $3.1188 per lb. = $1,070.37 estimated recovered.

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	CORRECTED WEIGHT SETTLEMENT	OUR ASSAY	CORRECTED ASSAY SETTLEMENT
9-1739-28	Black Pearl (Purchased from Scholtz & Cardor)	1,200	1,197.996	70.04	68.861
	Table Conc. #42	1,900	1,896.827	65.64	64.535
	Table Conc. #43	2,100	2,096.493	66.26	65.145
	Table Conc. #44	1,700	1,697.161	66.48	65.361
	Table Conc. #45	1,100	1,098.163	65.00	63.906
	Mica Re-run	400	399.332	54.44	53.524
	Jig #26	1,200	1,197.996	71.71	70.503
	Jig #27	1,000	998.331	71.00	69.805
	Black Pearl (Mined by Hillside Mining & Milling Co.)	600	598.998	70.78	69.566
	Mica Product	110	109.816	56.31	55.362
	Black Pearl Test-run	231	230.614	33.84	33.270
	Mica Re-run	675	673.873	56.31	55.362
	Remains Shipment #26	34	83.859	63.00	61.949
		12,300	12,279.4590	65.94	64.83

Settlement: $\frac{\$24,963.40}{7,960.7733 \text{ lbs.} WO_3}$ = $3.1358 per lb. WO_3

Black Pearl: 598.998 lbs. @ 69.5868 = 416.819 lbs. WO_3

Black Pearl's share: 416.819 x $3.1358 = $ 1,307.06
Tungstone's share: 23,656.34
TOTAL SHIPMENT: $24,963.40

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	CORRECTED WEIGHT SETTLEMENT	OUR ASSAY	CORRECTED ASSAY SETTLEMENT
9-1739-29	Black Pearl hand-sort	500	501.0189	70.00	68.789
	Jig Cons. #28	2,300	2,304.6891	71.46	70.224
	Table Cons. #47	2,600	2,603.3083	64.50	63.384
	Table Cons. #46	2,400	2,404.8939	62.00	60.927
	Table Cons. #48	2,900	2,905.9134	63.64	62.539
	Remains Shipment #28	100	100.2092	65.48	64.347
	Misc. Products	500	501.6906	55.00	54.049
		11,600	11,623.6450	64.74	63.62

Payment: $22,563.37
Umpire Adj.: 326.40
Settlement: $22,889.77

$\frac{\$22,889.77}{7394.9849}$ = $3.0953 per lb. WO_3

Black Pearl: 501.0189 lbs. @ 68.789% = 344.646 lbs. WO_3

Black Pearl's share: 344.646 lbs. x $3.0953 = $ 1,066.78
Tungstona's share: 21,822.99
TOTAL SHIPMENT: $22,889.77

9-1739-30 Scheelite from Tungstona.

9-1739-31 No Black Pearl contained.

9-1739-32 No Black Pearl contained.

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	CORRECTED WEIGHT SETTLEMENT	OUR ASSAY	CORRECTED ASSAY SETTLEMENT
9-1739-33	Black Pearl hand-sort	700	698.222	71.22	70.972
	" " " "	400	398.984	71.88	71.629
	" " " "	2,000	1,994.920	70.86	70.613
	Re-run table	1,000	997.460	46.16	45.999
	Table Conc.	1,900	1,895.174	62.98	62.761
	Jig Conc. #31	800	797.968	69.80	69.557
	Mica Product	100	99.746	42.00	41.853
		6,900	6,882.474	64.665	64.44

Settlement: $\frac{\$13,779.31}{4,435.0662}$ = $3.1069 per lb. WO_3

Black Pearl: 698.222 lbs. @ 70.972% = 495.542
398.984 lbs. @ 71.629% = 285.788
1,994.920 lbs. @ 70.613% = 1,408.673
2,190.003 lbs. WO_3

Black Pearl's share: 2,190.003 lbs. @ $3.1069 = $ 6,804.12
Tungstena's share: 6,975.19
TOTAL SHIPMENT: $13,779.31

BLACK PEARL ROYALTIES

SHIPMENT	PRODUCT	WEIGHT	CORRECTED WEIGHT SETTLEMENT	OUR ASSAY	CORRECTED ASSAY SETTLEMENT
9-1739-34	Black Pearl & Tungstens Mixed.				
	Table Conc.	1,300		51.00	
	Re-separated	4,600		48.46	
	Re-tabled	2,300		58.76	
	Jig Conc.	2,200		70.94	
	Jig Conc.	7,800		42.20	
		18,200	19,204.1483	51.46	51.83

Settlement: $\frac{\$35,132.43}{11,264.7272 \text{ lbs. } WO_3}$ = \$3.1188 per lb. WO_3

Breakdown based on mill report in April containing 17,400 lbs. rough concentrate.

Black Pearl: 56.6445 @ \$35,132.43 = \$19,900.41
Tungstens: 43.3555 @ \$35,132.43 = \$15,232.02
TOTAL SHIPMENT: \$35,132.43

BLACK PEARL ROYALTIES
August 2, 1956

SHIPMENT	BLACK PEARL's PORTION	LAWLER AGREEMENT 11%	TRIPPLE AGREEMENT 1%	DMEA AGREEMENT 5%	BLACK PEARL (SCHOLZ & CAZIER) 10%
9-1739-35	9,439.92	1,038.39	94.40	472.00	943.99
9-1739-36	6,358.27	699.41	63.58	317.91	635.83
	$ 15,798.19	$ 1,737.80	$ 157.98	$ 789.91	$ 1,579.82
Less:*	1,077.65	118.54	(estimated production from jig tails purchased from Scholz & Cazier)		
		$ 1,619.26			

* Calculation for deduction - Lawler Agreement

10,000 lbs. treated at 5.72% WO_3 = 572 lbs WO_3 contained.
572 lbs. at 60 % recovery = 343.2 lbs. WO_3 recovered.
343.2 at $3.14 per lb. = $1,077.65 estimated recovered.

BLACK PEARL [illegible]
August [illegible] 1951

SHIPMENT	PRODUCT	WEIGHT	TONNAGE NO.	UNIT WEIGHT	CONTENT WEIGHT
9-1759-35	Jig Conc	5,000		70.22	
	Table Conc. # 67	2,100		48.55	
	" 68	1,100		41.95	
	Jig Conc.	400		72.00	
		8,600	3,594.0460	62.32	60.62

Settlement $16,129.37

Breakdown based on mill report for May contain. 20,200 lbs. rough concentrate.

Tungstone	41.51	of	16,129.37	=	6,699.45
Black Pearl	58.49	"	"		9,429.92
Total Shipment					16,129.37

BLACK PEARL ROYALTIES
August 2, 1956

SHIPMENT	PRODUCT	WEIGHT	CORRECT WT.	OUR ASSAY	CORRECT ASSAY
9-1739-56	Re-tabled Conc.	1,900		69.32	
	Jig Conc.	1,600		71.10	
	Table " # 68	1,700		46.96	
	Table Conc.	200		46.10	
		5,400	5,397.1920	62.03	64.12

Settlement $ 10,870.69

Breakdown based on mill report of May, 1956

Tungstona	41.51 %	at	$ 10,870.69	=	$ 4,512.42
Black Pearl	58.49		"		6,358.27
					$ 10,870.69

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

RECEIVED
DEC 12 1955

224 New Customhouse
Denver 2, Colorado

December 6, 1955

Memorandum

WSM

To: T. A. Christensen

From: Acting Executive Officer, DMEA Field Team, Region III

Subject: Royalty Payment - DMEA Docket 3448 (Tungsten), Contract Idm-E763, Black Pearl Mining Company, Yavapai County, Arizona

Enclosed is letter dated November 25, 1955 with calculations on ore produced during July, August, September and October. This calculation sheet is to be accepted as a settlement sheet.

Also enclosed is Black Pearl Mining Company check No. 808 in the amount of $40.25 in payment of royalty due on these shipments.

Royalty due on the above shipments is $42.43; amount paid was $42.90 making an overpayment of $0.47. The amount of $2.65 was deducted for an overpayment made on shipments during March, April, May and June.

E. N. Harshman

E. N. Harshman

Enclosures

vj

cc: Royalty File E763
Sec. Opr. Comm. (2) w/calcu. sheet
W. R. Storms w/calcu. sheet
Royalty Report File
Chron.

Royalty

DMEA
Date Rec'd.

NOV 30 1955

BUREAU OF MINES
Denver, Colorado

Box 4097
Tucson 5, Arizona

November 28, 1955

RECEIVED
DEC 1 2 1955

Memorandum

To : W. M. Traver, Executive Officer, DMEA Field Team, Region III

From : Superintendent, Southwest Experiment Station

Subject : Royalty Payment, DMEA Contract Idm-E763, Docket DMEA-3448, Black Pearl Mining Co.'s Black Pearl Tungsten Mine, Bagdad (Eureka) Mining District, Yavapai County, Ariz.

Enclosed are a letter and check for $40.25 from the above company for payment of royalty to the Government from Ore produced from the Black Pearl Mine; also enclosed is a memorandum from T. M. Remsle, recommending that this check be accepted. Royalty computations have been calculated in a manner similar to the accepted formula (your letter of November 9 to Mr. J. H. Casier of subject company), so I concur with Remsle's recommendation.

Walter R. Storms

Walter R. Storms

CC W. M. Traver (6)
DMEA-3448
BF

WRStorms:frj

Box 4097
Tucson 5, Arizona

November 28, 1955

Memorandum

RECEIVED
DEC 12 1955

To : W. R. Storms, Superintendent, Southwest Experiment Station, Region III

From : T. M. Romslo, Mining Engineer, Tucson, Ariz.

Subject : Royalty payment, Docket -3448, Contract Idm-E763, Black Pearl Mining Co.'s Black Pearl Tungsten Mine, Yavapai County, Ariz.

Reference is made to the subject company's letter of November 25, 1955 to W. M. Traver, Executive Officer, Field Team Region III. Enclosed with the letter is the company's check of $40.25 to the DMEA for royalties due on production for July through October 1955, and the anticipated yield from stock-piled middlings produced from March through October 1955.

I feel that the sum of $40.25 should be accepted as final payment on all production from the beginning of the project through October 1955 after verification of the accuracy of the company's computations. Reasons for this opinion are:

1. The company's method of computing royalties on initial concentrates has been accepted by the DMEA.

2. The anticipated additional yield of concentrates from middling products appears to be reasonable.

T. M. Romslo

Above was written by T. M. Romslo but he left for the field before it could be signed.

W.R.S.

CC W. M. Traver (Orig. & 8)
DMEA-3448
DF

TMRomslo:frj

DMEA
Date Rec'd.

NOV 30 1955

BUREAU OF MINES
Denver, Colorado

November 25, 1955

RECEIVED

DEC 12 1955

Mr. W. E. Brown, Executive Officer
DMEA Field Team, Region III
224 Ker Gustafsons
Denver 2, Colorado

Re: Docket No. DMA-440(Sungston)
Contract No. 14-4-763

Dear Mr. Brown:

Enclosed please find our check for $40.25 in payment of the royalty on ore produced from drifting under the above project in July, August, September and October 1955 together with a royalty settlement on tungsten concentrate in jig batch and magnetic separator projects produced from a 1 project ore mined prior to November 1, 1955.

July

23 feet of drift advance 14" wide by 8' high at
11 cubic feet per ton equals 17.52 tons
at .023 WO3 or 0.32 units @ 67% recovery--
.26 units at $63.00--$16.38 at 5% royalty 0.82

August

30 feet of drift advance 7" wide by 8' high at
11 cubic feet per ton equals 12.73 tons
at 0.33% WO3 or 4.2 units at 67% recovery--
3.32 units at $63.00--$209.57 at 5% royalty 10.60 10.21

324 -
204.12

September

10 feet of drift advance 16" wide by 8' high at
11 cubic feet per ton equals 9.70 tons
at .013 WO3 or .10 units at 67% recovery--
.07 units at $63.00--$4.41 at 5% royalty .22

October

21.5 feet of drift advance 14" wide by 8' high at
11 cubic feet per ton equals 18.24 tons
at .12% WO3 equals 1.62 units at 67% recovery--
1.22 units at $63.00--$76.86 at 5% royalty 3.84

As a consideration of our sub-lease to Hillside Mining and Milling Company we received $12,500.00 in payment for our interest in jig hutch and magnetic separator reject piles on the property. This was negotiated based on an eventual expected recovery of 80% of the tungsten content of the jig hutch piles and 50% recovery of the tungsten in the magnetic separator reject piles. Production from the project area which had contributed to these piles(from main adit advance) was as follows:

March-April	total WO3 content of project ore	97.42	units
May	"	1.50	"
June	"	19.42	"
July	"	.39	"
August	"	4.04	"
September	"	.10	"
October	"	1.82	"
	Total	125.57	"

Based on the figures outlined in our letter of July 21,1955 6.53% of this would have gone into jig hutch and 3.38% would have been in magnetic separator rejects. In calculating the value of the products left to be treated we used an estimated recovery of 80% of the jig hutch and 50% of the magnetic separator rejects which would give the following value for project ore based on the expected sale at $63.00 per unit:

Jig hutch
6.53% of 125.57 units equals 8.20 units at
80% recovery x $63.00 per unit---
$413.28 at 5% royalty — $20.66

Magnetic Separator rejects
3.38% of 125.57 units equals 4.24 units at
50% recovery x $63.00 per unit---
$133.56 at 5% royalty — 6.68

The royalty being paid herewith is as follows:

July	$0.82	
August	10.68	10.21
September	.22	
October	3.04	
Jig hutch through October	20.66	
Magnetic Rejects through October	6.68	
Total	$42.30	42.43
Less overpayment as per Mr. Traver's letter of November 9, 1955	2.05	
Paid herewith	$40.25	39.78

This will complete royalty payments on ore produced under the project to November 1, 1955.

We would be pleased to discuss with your engineer the basic data used in calculating the above royalty which we feel has been calculated as equitably as possible.

Very truly yours,

Black Hills Mining Company

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

400

224 New Customhouse
Denver 2, Colorado

November 9, 1955

Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty payments, DMEA Docket 3448 (Tungsten), Contract Idm-E763, Black Pearl Mining Company, Black Pearl Claims No. 1, 2 and 7, Yauapai County, Arizona.

Enclosed are the Washington office copies of a memorandum prepared by T. M. Romslo regarding calculation of DMEA royalty from production from the subject property. This information was requested in our August 19, 1955 memorandum to W. R. Storms. Copies of our letter to the operator giving approval to his method of DMEA royalty proration are also included. Your royalty records for this contract should now be complete.

W. N. Traver

By J. W. Townsend
J. W. Townsend

Enclosures

RDB/vj

cc: Royalty File E763
W. R. Storms
Berkenkotter
Chron.

DMEA
Date Rec'd.

OCT 28 1955

BUREAU OF MINES
Denver, Colorado

Box 4097
Tucson 5, Arizona

October 26, 1955

Memorandum

To : W. M. Traver, Executive Officer, DMEA Field Team, Region III

From : T. M. Romalo, Mining Engineer, for Superintendent Southwest Experiment Station, Region III

Subject : Royalty Determination, Docket DMEA-3448 (Tungsten) Contract Idm-E763, Black Pearl Mining Company, Black Pearl Mine, Yavapai County, Ariz.

Attached please find six copies of the memorandum report that you requested in your letter of August 19, 1955.

T M Romalo

T. M. Romalo, Mining Engineer
for Walter R. Storms
Superintendent
Southwest Experiment Station

CC W. M. Traver (6)
DMEA-3448
BF

TMRomalo:frj

Box 4097
Tucson 5, Arizona

October 26, 1955

Memorandum

To : Walter R. Storms, Superintendent, Southwest Experiment Station, Region III

From : T. M. Romalo, Mining Engineer, Tucson, Arizona

Subject : Royalty determination, Docket DMEA-3448, (Tungsten) Contract Idm-E763, Black Pearl Mining Company, Black Pearl Mine, Yavapai County, Ariz.

The following information and conclusions regarding subject company's method of determining royalties is an answer to W. M. Traver's request of August 19, 1955. The information was obtained during conversations with the operators, Messrs. J. H. Crasier and E. A. Scholz, and from data contained in a copy of Crasier's letter of July 21, 1955 to Mr. Traver.

To obtain the average grade of ore subject to royalties, the operators assay a composite of 3 channel samples cut across the face of the vein as exposed after each blasted round of about 5 feet. The channel samples are cut at 2, 4, and 6 feet from the floor. At present, this method is confined to the adit that is the sole heading being driven on the vein.

Muck piles from the adit and stoping operations are hand sorted before being trammed to the mill for additional hand sorting on a stationary screen with 1 square inch openings. Plus 1-inch pieces containing wolframite are sorted out and hand cobbed. The remaining plus 1-inch material goes to the tailings pile. Minus 1-inch product is then treated in a Hartz type jig using .054-inch screen openings. Bed concentrate containing about 50 percent WO_3 is removed periodically from the jig. Hutch product containing mainly pyrite and up to 1.0 percent WO_3 is stockpiled. The hand sorted ore and bed concentrate are crushed to minus 1/8 inch and magnetically cleaned at the Hillside Mining and Milling Co.'s magnetic separator. Resulting concentrates are sold to the Hillside Mining and Milling Company, a company headed by officers and supervisors of the Bagdad Copper Co.

CC W. M. Traver (Orig. & 6)
DMEA-3448
DF

TMRomalo:frj

The company presently is operating the Tungstona mine that is located about 10 miles north of Bagdad. It has started negotiations for purchase of the Black Pearl Mining Co. If the deal is completed and subject contract is assigned to the new owners, all ore from the Black Pearl Mine probably will be treated at the Tungstona mill.

The company's record of recovery from hand sorting and jigging mine ore through 1954 follows:

	Units WO_3	% of total contained units
Units recovered (sold)	2,570.26	66.64
7,235 tons of jig and hand sorted tails	904.38	23.45
320 tons jig hutch at 0.65%	214.50	5.56
40 tons jig hutch at 0.94%	37.60	0.97
20 tons magnetic separator tails, 6.5%	130.00	3.38

Payment of royalties on ore production from the adit for March through June has been calculated and payed on the following basis: Monthly production of contained units of WO_3 was calculated from the measured volume of vein material and the average assay of the composite samples. The approximate recovery factor of 67 percent (from above table) was applied to contained units to obtain production subject to royalty payments. Payments have amounted to the specified 5 percent of the value of the calculated recovered WO_3 at 63.00 per unit. Additional royalties will be due if the hutch and separator products are milled in the future. These products contain significant amounts of tungsten, beryllium, bismuth, and other minerals that could be recovered in a properly designed concentrator.

CONCLUSIONS

Accurate sampling of the vein is very difficult because the presently recoverable values occur as scattered crystals of wolframite. Under this condition, the preferred method of determining royalties would be to separately mill ore produced from contract headings and base payments on concentrates produced. However, this method is impracticable because both contract and non-contract ore must be produced simultaneously for financial reasons and because the cost of redesigning the milling plant for separate treatment of the ores would be excessive. Consequently, I feel the Government should accept the company's method of determining royalties, after possible arithmetic revisions, because the grade of ore is obtained by a practicable and probably reasonably accurate sampling procedure and because the recovered values are based on average results obtained by milling several thousand tons of similar ore.

For possible arithmetic revisions, reference is made to the royalty calculations of Mr. Crasier's letter of July 21, 1955. In checking these calculations I find slight errors that evidently are due to rounding out certain figures to the nearest whole number and carrying others to the nearest one hundredth place. I suggest that calculations should consistently be carried out to the nearest one hundredth place.

T. M. Romalo, Mining Engineer
Southeast Experiment Station
Region III

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

224 New Customhouse
Denver 2, Colorado

November 9, 1955

Mr. J. H. Cazier, Secretary-Treasurer
Black Pearl Mining Company
Bagdad, Arizona

Re: Royalty payments, DMEA Docket 3448 (Tungsten), Contract Idm-E763, Black Pearl Mining Company, Black Pearl Claims No. 1, 2 and 7, Yavapai County, Arizona

Dear Mr. Cazier:

Reference is made to our previous letter to you dated August 19, 1955 concerning the method of computation of DMEA Royalties due on Contract Idm-E763. This question was referred to our field office in Tucson, Arizona. After a field examination the field engineers have determined that the method of royalty determination as proposed by your letter of July 21, 1955 is equitable to both yourself and the Government.

This letter therefore constitutes full Government approval that your porposals be used for the calculation of future royalties due under DMEA Contract Idm-E763 until such time that conditions would warrant a further revision. We would prefer that all DMEA ore be handled separately but we realize this procedure is not possible at the present time.

The inspecting engineer does recommend that all calculations be carried out to the nearest one hundredth place and not rounded off to the nearest whole number. Where several computations are required to arrive at the amount of royalty payment, rounding off the first calculation can give a substantial error to the final answer. Following is our recalculation of reported royalties due showing a difference of $2.65 from that reported on July 21, 1955.

BLACK PEARL MINING CO. (E763)

<u>March-April Advance</u>

61 ft. of drift advance 31" wide by 8' high at 11 cubic feet per ton equals 114.61 tons at 0.85% WO_3 or 97.42 units at 67% recovery -- 65.27 units at $63.00 --
$4,112.01 at 5.0% Royalty - - - - - - - - - - $205.60

May Advance

20 feet of advance 20" wide by 8' high at 11 cubic feet per ton equals 24.24 tons at 0.065% WO_3 or 1.58 units at 67% recovery -- 1.06 units at $63.00 -- $66.78 at 5.0% Royalty - - - - - - - - - - - - - $3.34

June Advance

29 feet of advance 17" wide by 8' high at 11 cubic feet per ton equals 29.88 tons at 0.65% WO_3 or 19.42 units at 67% recovery -- 13.01 units at $63.00 -- $819.63 at 5.0% Royalty - - - - - - - - - - - - $40.98

Total Royalty paid - - - - - - - - - - - - - - - $252.57
Total Royalty due - - - - - - - - - - - - - - - 249.92

Amount of Royalty Overpayment - - - - - - - - $ 2.65

You may deduct this amount ($2.65) from future royalty payments.

Yours very truly,

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

By R. W. Townsend
R. W. Townsend

RDB/vj

cc: Royalty File E763 w/Romslo Report
Sec. Opr. Comm. (2) " "
W. R. Storms w/Romslo Report
Berkenkotter W/ " "
Chron.

402

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

RECEIVED
OCT 12 1955

224 New Customhouse
Denver 2, Colorado

October 7, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty Payment - DMEA Docket 3448 (Tungsten), Contract Idm-E763, Black Pearl Mining Company, Yavapai County, Arizona

Enclosed is Black Pearl Mining Company check No. 757 in the amount of $2.32 in additional payment of royalty due on ore produced during the month of May, 1955.

W. M. TRAVER

W. M. Traver

Enclosure

vj

cc: Royalty File E763
W. R. Storms
Sec. Opr. Comm. (2)
Royalty Report File
Chron.

Royalty

400

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

224 New Customhouse
Denver 2, Colorado

August 23, 1955

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty payment - DMEA Docket 3448 (Tungsten), Contract Idm-E763, Black Pearl Mining Company, Yavapai County, Arizona

Enclosed is photostat copy of letter dated July 21, 1955 with calculations on ore produced during March, April, May and June, 1955. This calculation sheet is to be accepted as a settlement sheet until other settlement sheets are obtained.

Also enclosed is Black Pearl Mining Company check No. 669 in the amount of $250.25 in payment of royalty due on these shipments.

W. M. TRAVER

W. M. Traver

Enclosures

vj

cc: Royalty File E763
W. R. Storms w/calcul. sheet
Sec. Opr. Comm. (2) w/calcul. sheet
Royalty Report File
Chron.

Royalty

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

224 New Customhouse
Denver 2, Colorado

August 23, 1955

Memorandum

To: I. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty payment - DMEA Docket 3448 (Tungsten), Contract Idm-E763, Black Pearl Mining Company, Yavapai County, Arizona

Enclosed is photostat copy of letter dated July 21, 1955 with calculations on ore produced during March, April, May and June, 1955. This calculation sheet is to be accepted as a settlement sheet until other settlement sheets are obtained.

Also enclosed is Black Pearl Mining Company check No. 665 in the amount of $250.25 in payment of royalty due on these shipments.

W. M. TRAVER

W. M. Traver

Enclosures

vj

cc: Royalty File E763
W. R. Storms w/calcul. sheet
Sec. Opr. Comm. (2) w/calcul. sheet
Royalty Report File
Chron.

July 21, 1955

Mr. W. M. Traver, Executive Officer
DMEA Field Team, Region111
224 New Customhouse
Denver, Colorado

Re: Contract No. Idm-E-763
Docket No.DMEA-3448(tungsten)

Dear Mr. Traver:

Enclosed please find our check for $250.25 in payment of the royalty on ore produced from drifting under the above project in March-April, May and June 1955. The March-April production was included in concentrate sold to Hillside Mining and Milling Company on April 26 and May 25, 1955 while the May and part of the June production was included in cocantrates delivered May 25 and June 23. Final payment for the April 26 delivery has been received while partial payment only has been received for the other deliveries mantioned .

March-April
61 feet of drift advance 31" wide by 8' high at 11 cubic feet per ton equals 116 tons at .85% WO_3 or 98.60 units at 67% recovery --66.06 units
66.06 units at $63.00-$4,161.78 @5% royalty $208.09

May
20 feet of advance 20" wide by 8' high @11 cu. ft. /ton
24 tons @ .065% WO_3-- 1.56 units x 67% recovery
1.05 units @ $63.00--$66.15 @ 1.5% royalty 0.99

June
29feet of advance 17" wide by 8' high @ 11 Cu. ft./ton
30 tons @ .65% WO_3--19.5 units @ 67% recovery --13.07 units
13.07 units @ $63.00--$823.41 @ 5% royalty 41.17
250.25

Very truly yours,
Black Pearl Mining Company

J. H. Cazier
Pres

5763