DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of BM

Report Period 1-1 = 6/30, 58

DMEA No.	Operator	Contract No.
269A	Banner Mining Co	E32

ORE ESTIMATES

	Tons	Analysis
DMEA	451 261	
Operator to date		
Total		
Production to date	347 809	
Ore in ground	103 452	

INVESTMENT

Type	Size		Feet	Cost
Shafts	6'x10'		89	$ 9,000.
Winzes sump			54	2,000.
Drifts and Crosscuts	6'x8'		4007	120,000.
Raises	6'x7'		431	16,000.
Drilling	Type	Long hole	5400	5,400.
		DD	5200	16,000.
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill	1000 TPD Flotation	$1,500,000
Roads		

REMARKS

Prepared by [signature] Date 10/16

31398

DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

Prepare in duplicate. File original in Official Docket. Send copy

To: Statistics Branch (Code 210)

From: Division of Base Metals

Report Period through Dec. 31, 1957

DMEA No.	Operator	Contract No.
269X-A	Banner Mining Co.—Mineral Hill Mine	Idm-E32

ORE ESTIMATES

	Tons	Analysis
DMEA	451,261	2.80
Operator to date	25,721	
Total	476,982	
Production to date	337,379	
Ore in ground	139,603	

INVESTMENT

Type	Size		Feet	Cost
Shafts 6'x10'	6'x10'		89	$9,000
Winzes	Sump.		54	2,000
Drifts and Crosscuts	6'x8'		4,007	120,000
Raises	6'x7'		431	16,000
Drilling	Type	Longhole	5,400	5,400
		D.D.	5,200	16,000
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill	1000 T/day Flotation	$1,500,000
Roads		

REMARKS

Prepared by A. F. Kluegeschied Date March 12, 58

31398

DEFENSE MINERALS EXPLORATION ADMINISTRATION

For the Period January 1, 1957 - June 30, 1957.

Base Metals Division Date November 4, 1957

Semi-Annual Report - Certified Project Date June 30, 1957.

DMEA No. 269X-A Operator Banner Mining Co. (Mineral Hill Mine) Contract No. Idm-E 33

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	451241	
Increase (Operator)	25741	
Total	476982	
Decrease (Production)	~~44,181~~	1.90
Net Available		

Most costs not available.

Investment

Shafts

Size	Feet	Cost
6X10	89	9000

Winzes

Size	Feet	Cost
Sump	54	2000

Drifts & Crosscuts

Size	Feet	Cost
6'x8'	~~1,137~~ 4007	~~35000~~ 120000

Raises

Size	Feet	Cost
6'x7'	431	16000

Drilling

Type & Size	Feet	Cost
Long Hole	~~655~~ 5400	~~7000~~ 5400
DD	2800	16,000

Rehabilitation

Description	Cost

Facilities

Mine Plant

Description	Cost

Mill

Description	Cost

Roads

Description	Cost

Remarks

Ore milled totalled about 17,000 tons per month of which about 7,400 tons was from the Mineral Hill Mine and the remainder was from the Daisy and Twin Buttes Mines.

Since end of period production has been cutbtailed for economic reasons. Present production is about 8,100 tons of 3.5% copper from the Daisy Mine and approximately 1,000 tons of 2 to 3 per cent ore from the Mineral Hill Mine.

DEFENSE MINERALS EXPLORATION ADMINISTRATION

For The period July 1 - December 31, 1956

Base Metals Division Date May 24, 1957

Semi-Annual Report - Certified Project Date December 31, 1956

DMEA No. 269X-A Operator Banner Mining Co. (Mineral Hill Mine) Contract No. Idm-E 33

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)		
Total		
Decrease (Production)	55,703	1.82
Net Available		

Development data from Mineral Hill Mine only

Investment

No Costs Available

Shafts

Size	Feet	Cost
6'x10'	89	-

Winzes

Size	Feet	Cost
Sump	54	-

Drifts & Crosscuts

Size	Feet	Cost
7'x9'	3,870.5	-

Raises

Size	Feet	Cost
6'x7'	2,472.	-

Drilling

Type & Size	Feet	Cost
Diamond	5,187	
Long Hole	4,702	

Rehabilitation

Description	Cost
Drift 708'	
Shaft 190'	

Facilities

Mine Plant

Description	Cost

Mill

Description	Cost
1000T/day Flotation	

Roads

Description	Cost

Remarks

Total Operator's and DMEA ore produced to date 285,511 2.03 Cu

W. P. Klugescheid/er

100338

DEFENSE MINERALS EXPLORATION ADMINISTRATION

For the Period January 1 - June 31, 1956

Base Metals Division Date October 24, 1956

Semi-Annual Report - Certified Project Date October 5, 1956

DMEA No. 269XA Operator Banner Mining Company (Mineral Hill Mine) Contract No. Idm-E 32

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)		
Increase (Operator)		
Total		
Decrease (Production)	79,403	2.58% Cu.
Net Available		

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost

Remarks

An addition to the mill will probably be finished during November 1956. Mill is handling 500 tons of sulphide ore and 50 tons of oxide ore per day. Production will be close to 1,000 tons per day when mill is completed.

Employees total 229 of which 33 are at the mill, 8 are office workers, 39 are surface workers and 149 are employed in the mines.

Exploratory work indicates that the original ore reserves of the Mineral Hill mine will be materially increased and that the reserves of the Daisy mine will probably exceed those of the Mineral Hill.

W. P. Klugescheid/er

100338

DEFENSE MINERALS EXPLORATION ADMINISTRATION

To January 1, 1956

~~Base Metals~~ ~~WPK~~ Division — Date ~~June 5, 1956~~

Semi-Annual Report - Certified Project — Date ~~April 12, 1956~~

DMEA No. ~~269X-A~~ — Operator ~~Banner Mining Company~~ **(Mineral Hill Mine)** — Contract No. Idm-E 32

Ore Reserves

Ore Estimates	Tons	Analysis
Original (DMEA)	451,261	2.80% Cu. 0.78 oz. Ag.
Increase (Operator)		
Total		
Decrease (Production)	170,180	2.50% Cu
Net Available	281,081	

Investment

Shafts			Winzes			Drifts & Crosscuts		
Size	Feet	Cost	Size	Feet	Cost	Size	Feet	Cost

Raises			Drilling			Rehabilitation	
Size	Feet	Cost	Type & Size	Feet	Cost	Description	Cost

Facilities

Mine Plant		Mill		Roads	
Description	Cost	Description	Cost	Description	Cost
		400 Tons/Day	$557,379.19		

Remarks

Mining and milling operations, begun early in June 1954, were at a rate of 10,000 to 12,000 tons of 2.5% copper ore from July through October 1954. Since then monthly production has been increased to about 15,000 tons. About two-thirds of the ore is from the Mineral Hill mine and the remainder comes from the nearby Daisy deposit.

See attached sheet

For Production calculations see back

100338

DMEA No. 269X-A Banner Mining Company (Mineral Hill Mine)
Contract No. Idm-E32

REMARKS (continued)

If the Government had not rendered aid this deposit would probably not have been developed. Through activity in this mine the Daisy deposit was discovered.

At the present time the Company is planning an additional 500 ton concentrator at the Mineral Hill Mine. Initial activity at the Mineral Hill mine probably called attention to the favorable geological conditions that might exist immediately to the east of the Banner property. A geophysical survey of the favorable area lead to the discovery of the Pima mine. This is now being prepared for open pit mining by Cyprus Mining Corp.

July - Oct 1954 @ 11,000 t/month = 4 x 11,000 = 44,000 Tons
Nov 1954 - Dec 1956 @ 15,000 " " = 14 x 15,000 = 210,000 "
254,000 Tons
.67
2/3 of original ore value
Mineral Hill Grant to Jan 1, 1956. 170,180 Tons.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

224 New Customhouse
Denver 2, Colorado
September 24, 1958

DMEA
RECEIVED SEP 29 1958

DATE	INITIALS	COPY
9/29	C	220
29	[illegible]	100
"	[illegible]	110
9/30	[illegible]	800
10/6	[illegible]	500
	[illegible]	

Memorandum

To: Chairman, Operating Committee, OME

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

Subject: Semiannual Report of Certified Project for the period January 1, through June 30, 1958
Docket No. DMA-269X-A (Copper), Contract No. I-DMA-E32
Banner Mining Company (Mineral Hill Mine)
Pima County, Arizona

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

E. N. Harshman

E. N. Harshman

Enclosures

FILE COPY
DMEA
SEP 29 1958
MINERALS COPY

Semiannual Report of Certified Projects

Reporting Period	January 1 through June 30, 1958
Docket and Contract Number	DMEA-269X A, and Idm-E32
Operator	Banner Mining Company
Commodity	Copper
Mine Name	Mineral Hill
County and State	Pima County, Arizona

Date of Contract	June 29, 1951
Date of Certification	May 29, 1953
Expiration Date of Royalty Payments	Paid in full
Date of Examination for this Report	1/22/58

Total Amount of Contract	$126,786.00	
Total Expenditures under Contract	$102,255.64	
Amount of Government Participation at 50 %		$51,127.82

Royalty Payments this Period	None
Previous Royalty Payments	$51,127.82
Total Royalty Payments to Date	$51,127.82
% Loan Repayment Completed	100%

Amount of Royalty Due	None
Royalty Remarks	

DMA-269X-A, I-DMA-E32, Banner Mining Co. 1st half 1958
Mineral Hill mine, P[illegible] County, Ariz.

	Tons	Analysis % Copper
Original Estimate of DMEA Reserves (Field Team Final Report) Mines ☐ Survey ☐ Joint ☐	451,261	2.8
Revised Estimate of DMEA Reserves (Field Team) Mines ☐ Survey ☐ Joint ☐		
Increase of Reserves by work performed subsequent to DMEA project work		
Production DMEA {conc / ore} (This period)	10,420	2.99
(Previous)	237,389	2.03
(To Date)	347,809	2.06
" Operator's {conc / ore} (This period)		
(Previous)		
(To Date)		

* No royalty due on this ore as royalty ~~has been paid in full.~~

Percent Revised Reserves Mined _____

(For Uranium Ores Only)

Initial Production Bonus:

Status Operator: Ineligible ☐ Not Applied ☐ Applied ☐ Rec'ing pmt ☐ Pd up ☐

Pounds U_3O_8 produced this period eligible for Bonus _____

Amount of Bonus paid to Operator this period $_____

Total pounds U_3O_8 produced to date eligible for Bonus _____

Total amount of Bonus paid to Operator to date $_____

Bonus Royalty Paid $_____

Bonus Royalty Due $_____

Investment Data (None for this period)

Previous data not available

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Rehabilitation Description	Rehabilitation Cost	Drilling Type & Size	Drilling Feet	Drilling Cost

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

Data mailed to me a few days after conversations with A. Bowman, Mgr. and B. Venable, Supt. at mine office, July 2, 1958. Ore mined & milled per month averaged about 10,000 of which about 1700 and 8300 tons came from Mineral Hill mine and Daisy mine, respectively. - Av. employees about 128 a day - Av. hrly pay about $2.28.

Signed T. M. Romslo (Engineer)
T. M. Romslo

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

February 11, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 14 1958

DATE	INIT.	AMOUNT
2-14	C	220
14	Com	100
"	74	110
2/24	6	800
~~2/27~~	~~Klug~~	~~500~~

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1957 through December 31, 1957

DMEA Docket 269X-A (Copper)
Contract Idm-E 32, Banner Mining Company (Mineral Hill mine)
Pima County, Arizona

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

W H King
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM:jy

cc: Semiannual Report File E 32
Emerick
DMEA, TUC
Harshman
Chron.

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 14 1958
DATE CODE

Semiannual Report of Certified Projects

Reporting Period July 1, 1957 through December 31, 1957

Docket and Contract Number DMEA-269X-A, Idm-E32

Operator Banner Mining Company

Commodity Copper

Mine Name Mineral Hill

County and State Pima County, Arizona

Date of Contract June 29, 1951

Date of Certification May 29, 1953

Expiration Date of Royalty Payments Paid in Full

Date of Examination for this Report January 22, 1958

Total Amount of Contract $126,786.00

Total Expenditures under Contract $102,255.64

Amount of Government Participation at 50 % $51,127.82

Royalty Payments this Period 0.00

Previous Royalty Payments $51,127.82

Total Royalty Payments to Date $51,127.82

% Loan Repayment Completed 100.00%

Amount of Royalty Due None

Royalty Remarks

	Tons	Percent Copper Analysis
Original Estimate of DMEA Reserves (Field Team Final Report) Mines ☐ Survey ☐ Joint ☐	451,261	2.8
Revised Estimate of DMEA Reserves (Field Team) Mines ☐ Survey ☐ Joint ☐		

Company estimates present reserves are 139,603 tons averaging about 2 percent copper.

Increase of Reserves by work performed subsequent to DMEA project work 7-1 to 12-31-57			
Production DMEA (ore / conc)	(This period)	7,687	2.84
	(Previous)	329,692	2.01
AND	(To date)	337,379	2.03
" Operator's (ore / conc) found subsequent to DMEA work	~~(This period)~~		
	~~(Previous)~~		
	~~(To date)~~		

Percent Revised Reserves Mines _____

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible ☐ Applied for ☐ Rec'ing pmt ☐ Paid up ☐

Pounds U_3O_8 produced this period eligible for Bonus _____

Amount of Bonus paid to Operator this period $_____

Total pounds U_3O_8 produced to date eligible for Bonus _____

Total amount of Bonus paid to Operator to date $_____

Bonus Royalty Paid $_____

Bonus Royalty Due $_____

Investment Data

Shafts Size	Shafts Feet	Shafts Cost	Winzes Size	Winzes Feet	Winzes Cost	Drifts & Crosscuts Size	Drifts & Crosscuts Feet	Drifts & Crosscuts Cost

Raises Size	Raises Feet	Raises Cost	Drilling Type & Size	Drilling Feet	Drilling Cost	Rehabilitation Description	Rehabilitation Cost

Facilities

Mine Plant Description	Mine Plant Cost	Mill Description	Mill Cost	Roads Description	Roads Cost

Remarks

Data obtained Jan. 9, 1958 from B. Venable, mine superintendent, at company's office. Ore mined and milled per month averaged about 9,000 tons of which about 1,300 and 7,700 tons came from the Mineral Hill mine and Daisy mine, respectively.
Average No. employees per day - 164
Hourly pay averaged about $2.28.

Signed M Romslo (Engineer)

ACTION ON INSPECTION
OR ORIGINAL FIELD REPORT

Date 10/7/57

Referred to:

1. ~~Mr. Hartenbach~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and File
5. _____ Division
6. Docket Control Mails and File.

Note comments in report regarding:

1. Slight increase in reserves - grade lower
2.
3.
4.

and take appropriate action.

= = = = = = = =

Action taken by Division:

Robert L. Adams

GB

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 7 1957

DATE		CODE
10/7	B	220
9		100

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

October 4, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1957 through June 30, 1957
DMEA Docket 269X-A (Copper)
Contract Idm-E 32, Banner Mining Company (Mineral Hill Mine)
Pima County, Arizona

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

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

Enclosures

MHM/vj

cc: Semiannual Report File E 32
DMEA/TUC
Harshman
Emerick
Chron.

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 7 1957

Semiannual Report of Certified Projects

Reporting Period	January 1, 1957 through June 30, 1957
Docket and Contract Number	DMEA 269X-A, I-DMA-E32
Operator	Banner Mining Company
Commodity	Copper
Mine Name	Mineral Hill
County and State	Pima County, Arizona

Date of Contract	June 29, 1951
Date of Certification	May 29, 1953
Expiration Date of Royalty Payments	June 29, 1961
Date of Examination for this Report	September 27, 1957

Total Amount of Contract	$126,786.00
Total Expenditures under Contract	$102,255.64
Amount of Government Participation at 50 %	$51,127.82

Royalty Payments this Period	0.00
Previous Royalty Payments	$51,127.82
Total Royalty Payments to Date	$51,127.82
% Loan Repayment Completed	100.00%

Amount of Royalty Due	None
Royalty Remarks	----

DOCKET DMEA-269X-A (Contract I-DMA-E32)
Banner Mining Co.
Mineral Hill Mine
Pima County, Ariz.

	Tons	Percent Copper Analysis
Original Estimate of DMEA Reserves (Field Team Final Report) Mines ☐ Survey ☐ Joint ☐	451,261	2.8
Revised Estimate of DMEA Reserves (Field Team) Mines ☐ Survey ☐ Joint ☐		

Increase of Reserves by work performed subsequent to DMEA project work: Production to date plus present reserves of 147,290 tons indicates 25,721 tons have been added to DMEA original estimate. Grade of ore is about 0.7% lower.

Production DMEA ore	(This period)	44,181	1.90
	(Previous)	285,511	2.03
AND	(To date	329,692	2.01
" Operator's ore found subsequent to DMEA work	~~(This period)~~ ~~(Previous~~)= ~~(To date)~~		

Percent Revised Reserves Mines _____

(For Uranium Ores Only)

Initial Production Bonus:
Status of Operator: Ineligible ☐ Applied for ☐ Rec'ing pmt ☐ Paid up ☐
Pounds U_3O_8 produced this period eligible for Bonus _____
Amount of Bonus paid to Operator this period $_____
Total pounds U_3O_8 produced to date eligible for Bonus _____
Total amount of Bonus paid to Operator to date $_____
Bonus Royalty Paid $_____
Bonus Royalty Due $_____

Capital expendictures $6,347.02
Other costs not available

Investment Data (This period)

Shafts Size	Feet	Cost	Winzes Size	Feet	Cost	Drifts & Crosscuts Size	Feet	Cost
						6' x 8'	1,137	

Raises Size	Feet	Cost	Drilling Type & Size	Feet	Cost	Rehabilitation Description	Cost
6'x 7'	431		Long hole	655			

Facilities

Mine Plant Description	Cost	Mill Description	Cost	Roads Description	Cost

Remarks

See attached sheet

Signed T. M. Romslo (Engineer)
T. M. Romslo

The following information and the data of page 2 of 2 was obtained September 27, 1957 from Mr. A. B. Bowman, General Manager.

Ore milled totalled about 17,000 tons per month of which about 7,400 tons was from the Mineral Hill mine and the remainder was from the Daisy and Twin Buttes Mines.

Approximately 270 employees were paid an average of about $2.10 per hour.

Since end of period production has been curtailed for economic reasons. Present monthly production is confined to about 8,100 tons of 3.5% copper ore from the Daisy Mine and approximately 1,000 tons of 2 to 3 percent ore from the Mineral Hill mine. As a result of the curtailment approximately 100 of the 270 employees have been laid off.

ACTION ON INTERIM
FINAL FILE REPORT
Date 3-12

Referred to:

1. ~~Mr. Hietanieof~~
2. ~~Mr. Johnson~~
3. ~~Mr. Albright~~
4. ~~Docket Control Mails and Files~~
5. Onac Onlat -- Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Romslo again!
2. Gives absolutely no
3. costs in investment
4. data.
5. Reconciliation ore
6. tonnage & grade
7. indicated

and take appropriate action.

- - - - - - - -

Action taken by Division

Robert F. Adams

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

224 New Customhouse
Denver 2, Colorado

Date: March 8, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 11 1957

DATE	INITIALS	CODE
3/12	C	220
/13	CMM	100
	~~WPK~~	~~500~~

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1956 through December 31, 1956
DMEA Docket 269X-A (Copper)
Contract Idm-E 32, Banner Mining Company (Mineral Hill Mine), Pima County, Arizona

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office and Memorandum 29. Note: 1/ Date of Certification is May 29, 1953 as corrected herein. 2/ Amount of Government Participation at 50% is $51,127.82 as corrected herein. 3/ Previous Royalty Payments and Total Royalty Payments are $51,127.82 as noted herein.

W. M. Harshman

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

Enclosures
MHM/vj
cc: Semiannual Report File E 32
W. R. Storms
Harshman
Chron.

Semiannual Report of Certified Projects

Reporting Period	July 1 to December 31, 1956
Docket and Contract Number	DMEA-269X-A, I-DMA-E32
Operator	Banner Mining Co.
Commodity	Copper
Mine Name	Mineral Hill
County and State	Pima County, Ariz.

Date of Contract	June 29, 1951
Date of Certification	May 29, 1953
Expiration Date of Royalty Payments	June 29, 1961
Date of Examination for this Report	Jan. 24, 1957

Total Amount of Contract	$126,786.00
Total Expenditures under Contract	$102,255.64
Amount of Government Participation at 50 %	$51,127.82

Royalty Payments this Period	0.00
Previous Royalty Payments	$51,127.82
Total Royalty Payments to Date	$51,127.82
% Loan Repayment Completed	100.00

Amount of Royalty Due	None
Royalty Remarks	

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 11 1957

DATE	INITIALS	CODE

	Tons	Analysis % Copper
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [ ]	451,261	2.8
Revised Estimate of DMEA Reserves ~~(Field Team)~~ ~~Mines [ ] Survey [ ] Joint [ ]~~	426,511*	2.0 (approx.)
Increase of Reserves by work performed subsequent to DMEA project work		
Production DMEA ore (This period) (Previous) (To date)		
" Operator's ore found subsequent to DMEA work (This period) (Previous) (To date)		
Combined (Report Period)	55,703	1.82
Combined (Total to 1/57)	285,511	2.03

*Includes operator's reported total production and estimated reserves of 141,000 tons as of Jan. 1, 1957

Percent Revised Reserves mined 67

(For Uranium Ores Only)

Initial Production Bonus:

Status of Operator: Ineligible [ ] Applied for [ ] Rec'ing pmt [ ] Pd up ____

Pounds U_3O_8 produced this period eligible for Bonus ____

Amount of Bonus paid to Operator this period $____

Total pounds U_3O_8 produced to date eligible for Bonus ____

Total amount of Bonus paid to Operator to date $____

Bonus Royalty Paid $____

Bonus Royalty Due $____

Development data for Mineral Hill mine only

To Date

Investment Data

(Costs not available)

Shafts

Size	Feet	Cost
6' x 10'	89	

Winzes

Size	Feet	Cost
sump	54	

Drifts & Crosscuts

Size	Feet	Cost
7' x 9'	3,870.5	

Raises

Size	Feet	Cost
6'x7'	2,472	

Drilling

Type & Size	Feet	Cost
Diamond	5,187	
Long Hole	4,702	

Rehabilitation

Description	Cost
Drift - 708'	
Shaft - 190'	

Facilities

Mine Plant

Description	Cost
Sand Plant	
Office Bldg	
Warehouse	
Change house	

Mill

Description	Cost
1000/T/Day - Flotation	

Roads

Description	Cost

Remarks

Monthly production about 17,000 tons of which slightly less than ½ is from Daisy mine, about 1/6 from Twin Buttes and remainder from Mineral Hill - Twin Buttes production will be doubled if current tests indicate heads can be held at 2.0% copper or better.
The average hourly wage of the 260 employees is $2.10

Signed T. M. Romslo (Engineer)
T. M. Romslo

ACTION ON IN[illegible]IM
OR FINAL FIELD TEA[illegible] REPOR[illegible]
Date 10-9

Referred to:

1. ~~Mr. Mittenderf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. ~~Docket Control Mails and Files~~
5. ~~Dave Mutel~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. A good story here.
2. Need be fielded again to get it all
3. Reserves up here
4. Have [illegible] by [illegible]

and take appropriate action.

- - - - - - - -

Action taken by Division:

Criticisms noted

Robert E. Adams

RECEIVED
OCT - 9 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

224 New Customhouse
Denver 2, Colorado

Date: October 5, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period January 1, 1956 through June 30, 1956
DMEA Docket 269XA (Copper),
Contract Idm-E 32, Banner Mining Company (Mineral Hill Mine), Pima County, Arizona

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office, ~~and~~ Memorandum 29, and Special Notice in Minutes of Operating Committee Meeting No. 692.

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

Enclosures
MHM/vj
cc: Semiannual Report File E 32
W. R. Storms
E. N. Harshman
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
BOX 4097
TUCSON 5, ARIZONA

DMEA
DEPARTMENT OF THE INTERIOR
SEP 26 1956
REGION III
DENVER, COLORADO

September 24, 1956

RECEIVED
OCT - 3 1956

Memorandum

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

From : Superintendent, Southwest Experiment Station

Subject : Semi-Annual Report of Certified Project, January 1 - June 30, 1956, Docket DMA-269XA (Copper), Contract I-DMA-E32, Banner Mining Co. (Mineral Hill Mine), Pima County, Ariz.

Enclosed are original and 8 copies of the above report by T. M. Romslo.

Walter R. Storms

Walter R. Storms

CC W. M. Traver (8)
DMA-269XA
Cert. File
DF

WRStorms:frj

DMEA
DEPARTMENT OF THE INTERIOR
SEP 26 1956
REGION III
DENVER, COLORADO

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period — January 1 to June 30, 1956
Docket and Contract Number — DMA-269X-A, I-DMA-E32
Operator — Banner Mining Co.

RECEIVED
OCT - 9 1956

"X" one

The project has been inactive during the reporting period ☐

Pertinent data relative to the subject contract has remained unchanged since the last report ☒

Remarks: The Mineral Hill mine was visited August 29, 1956. Information regarding activities during the period was obtained from Mr. A. B. Bowman, General Manager.

Mining and milling of ores from the Mineral Hill mine and the nearby Daisy mine continued. At present 500 tons of sulfide are and 50 tons of oxide ore are being milled per day. Production through 1955 totalled 245,260 tons of ore from which 20,780 tons of 25 percent copper concentrated was produced. During subject period 79,403 tons were milled for a production of 7,400 tons of 25 percent copper concentrates.

Should have asked for total smelter returns in $.

Cost?

An addition to the mill probably will be completed in early November 1956. Production then will gradually be increased to 900 to 1,000 tons of ore per day.

Employees total 219 of which 33 are at the mill, 8 are office workers, 39 are surface workers and 149 are employed in the mines. The average hourly wage rate is about $2.00

How much?

Exploratory work indicates that the original ore reserves of the Mineral Hill mine will be materially increased and that the reserves of the Daisy mine probably will exceed the reserves of the Mineral Hill.

TMRomslo

Signed: T. M. Romslo — September 18, 1956
Mining Engineer
Southwest Experiment Station

CC: W. M. Traver (Orig. & 8)
W. L. Emerick
DMEA-269X-A Cert File DF TMRomslo:frj

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

RECEIVED
APR 16 1956

224 New Customhouse
Denver 2, Colorado

Date: April 12, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1955 through December 31, 1955
DMEA Docket 269X-A (Copper)
Contract Idm-E 32 Banner Mining Company, (Mineral Hill Mine) Pima County, Arizona

Enclosed are the original and three copies of the subject report prepared in conformance with instructions contained in memorandum of January 6, 1956 from this office and Memorandum 29.

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

Enclosures
RDB/vj
cc: Semiannual Report File E 32
E. N. Harshman
W. R. Storms
J. N. Faick
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
BOX 4097
TUCSON 5, ARIZONA

RECEIVED
APR 16 1956

DMEA
Date Rec'd.
APR 9 1956
BUREAU OF MINES
Denver, Colorado

April 2, 1956

Memorandum

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

From : Superintendent, Southwest Experiment Station

Subject : Semi-Annual Report of Certified Project, July 1-Dec. 31, 1955, Docket DMA-269XA, Contract I-DMA-32 (Copper), Banner Mining Co.'s Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed are original and 8 copies of a semi-annual report on the above property by T. M. Romslo of the Bureau of Mines.

Walter R. Storms

Walter R. Storms

CC W. M. Traver (8)
DMA-269XA
Certi File
DF

WRStorms:frj

RECEIVED
APR 1 3 1956

Semi-Annual Report of Certified Projects

Reporting Period July 1 to December 31, 1955

Docket and Contract Number Docket DMA-269X-A Contract I-DMA-E32

Operator Banner Mining Co.

Commodity Copper

Mine Name Mineral Hill

County and State Pima County, Arizona

Date of Contract	June 29, 1951
Date of Certification	May 23, 1953
Expiration Date of Royalty Payments	June 29, 1961
Date of Examination for this Report	See Production Remarks

Total Amount of Contract	$126,786.00
Total Expenditures under Contract	$102,255.64
Amount of Government Participation at 50%	$51,127.82

Royalty Payments this period	$0.00
Previous Royalty Payments	$51,127.82
Total Royalty Payments to Date	$51,127.82
% Loan Repayment Completed	100.00

Amount of Royalty Due	None

Royalty Remarks

RECEIVED
APR 1 3 1956

Original Estimate of Reserves
(from Final Engr.-Geol. Report): 451,261 tons of 2.80 percent copper

Increase of Reserves by work performed subsequent to expiration or termination of contract;

Revised Estimate of Reserves:

Production this Period (Ore or Concentrates)

Amount of Previous Production (since date of contract)

Total DMEA Production to date

% of Revised Reserves Mined.

Production Remarks: The project carried out by the competent staff of the Banner Mining Co. with the financial assistance of the DMEA resulted in the disclosure of a relatively large body ofminable ore. Shortly after completion of the project a concentrator was erected near the mine. Mining and milling operations, started early in June 1954, were at a rate of 10,000 to 12,000 tons of 2.5 percent copper ore during July through October 1954. Since then monthly production has been increased to about 15,000 tons. Probably about two-thirds of the ore is produced from the Mineral Hill mine and the remainder comes from the nearby Daisy deposit. The Daisy deposit, indicated by a geophysical survey and tested by diamond drilling during 1954 and 1955, has been developed by a vertical shaft and 100 and 200 foot levels.

If the Government had not rendered aid it is quite probable that the Mineral Hill mine would still be dormant as it was for 30 years prior to initiation of the joint project, and that the Daisy mine would not have been discovered. Initial activity at the Mineral Hill mine probably called attention to the favorable geological conditions that might exist immediately to the east of the Banner Property.

A geophysical survey of the favorable area followed by diamond drilling lead to the discovery of the Pima Mine. This mine first was partially developed from a vertical shaft. Later additional drilling from the

surface indicated a comparatively large deposit of low-grade ore that is presently being prepared for open pit mining by the Cyprus Mining Corp., Utah Construction Co. and the Union Oil Co.

The above information was obtained from local newspapers and recent conversations with A. B. Bowman, General Manager of the Banner Mining Co. and others. Interviewing Mr. Bowman for additional information at this time was deemed inadvisable because he is preoccupied with plans for the construction of an additional 500-ton concentrator at the Mineral Hill mine.

T. M. Romslo, Mining Engineer
Southwest Experiment Station
Region III

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

224 New Customhouse
Denver 2, Colorado

February 1, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Semi-annual Report - Docket DMA-269XA, Contract I-DMA-E32, Banner Mining Co., Pima County, Arizona

Enclosed are four copies of the Semi-annual Report on Contract I-DMA-E32.

W. M. Traver

Enclosures

pw

January 28, 1955

Memorandum

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

From : Superintendent, Southwest Experiment Station, Region III

Subject : Semi-Annual Report on Certified Project for Period July 1 - December 31, 1954, Docket DMA-269 XA, Contract I-DMA-XXX, Sunnar Mining Co.'s Mineral Hill Copper Mine, Pima Mining District, Pima County, Ariz.

Enclosed are original and 3 copies of a report by William R. Hardwick of the Bureau of Mines on the above property.

Walter R. Storms

Walter R. Storms

CC W. M. Traver (3)
Cert. File
DMA-269XA
WF

WRStorms:frj

Memorandum January 30, 1956

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

From : William H. Hardwick, Mining Engineer, Tucson, Ariz.

Subject : Semi-Annual Report on Certified Project for Period July 1, 1954 to December 31, 1954, Bucket [illegible]-4, Contract I-[illegible], Banner Mining Co.'s Mineral Hill Copper Mine, Pima County, Ariz.

In accordance with the provisions of RMEA Circular 38, the Mineral Hill mine was visited on January 17, 1956. R. C. Benson and the mine superintendent, A. W. Vanhie, were at the mine and supplied the information for this report.

This contract was approved on June 28, 1951. Exploration work was completed and funds authorized by the contract were exhausted in December 1952. A final audit continued the actual cost of the project as $[illegible], of which $[illegible] was paid by the Government.

The operator continued the exploration and development on its own account and has estimated ore reserves at [illegible] tons that contain 2.5 percent copper, 0.7 ounces of silver, and a small amount of tungsten. As a substantial tonnage of copper ore was discovered a "Certification of Discovery or Development" was issued by RMEA on May 28, 1953.

The Banner Mining Co. received a production contract from the Defense Materials Procurement Agency which covers the purchase of 11,[illegible] pounds of copper at a guaranteed price of 21 cents per pound. The contract provides also for a Government loan of $473,665.00.

CC W. M. Trower (Orig. & 8)
Cont File
RMA-[illegible]
RF

WHHardwick:frj

During the latter part of 1953 and the early part of 1954 the Ranger Mining Company has rehabilitated the Mineral Hill mine and built a 400-ton concentrating plant at a total cost of $231,287.01. Construction of the concentrating plant was completed in April 1954 and production was started at once.

In the early stages of exploration and before the mill was completed, some ore was stockpiled. This ore has been fed to the mill along with the current mine production. Also, some sulfide ore has been mined from the Daisy mine and included in the mill feed. The stockpile ore, sulfide ore from the Daisy mine, and mine production for the subject period are shown in Table I. It is believed that the production for the period has been properly reported.

The net returns from this ore in pounds of metal was not available on January 17, 1955. The concentrates from the mill are shipped to El Paso Smelter of the American Smelting and Refining Co. for treatment, and the refined copper is sold to U.S.A.

Records at the Tucson office indicate that this operator has made royalty payments to the amount of $18,888.97. According to the operator, this amount was to cover royalty due for the months of May, June, and July 1954. It should be noted that this includes royalty on ore from the Daisy mine which is not on subordinated ground.

William R. Hardwick

William R. Hardwick
Mining Engineer
Tucson, Arizona

TABLE I. Homer Mining Co.'s Mineral Hill Mine - 1944-1945A
Summary of ore production for months July 1, 1944 to December 31, 1944.

	July	August	September	October	November	December	Total
Ore from inclined shaft bin (Mine)	7,381,149	8,342,010	8,635,755	9,424,840	9,307,055	9,242,905	52,170,[illegible]3
Ore from stockpile	1,179,487	1,565,625	3,[illegible],570	2,[illegible],480	2,128,575	2,351,640	13,344,427
Ore from Dairy (sulfide)	1,652,365	848,715	346,728	856,925	919,775	906,735	5,814,235
#4 shaft stockpile						674,160	674,160
Total	10,158,000	10,756,350	12,383,058	13,170,245	12,355,405	13,475,380	72,011,635

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: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMA-269X-A, Contract I-DMA-E32, Banner Mining Co.'s Mineral Hill Copper Mine, Pima County, Arizona

Enclosed are the original and three copies of a semi-annual report relative to operations at the site of the subject project subsequent to the issuance of a Certification of Discovery or Development by the Defense Minerals Exploration Administration.

W. H. King

W. H. King

Enclosures

Mining Division
Date Rec'd
AUG 5 - 1954
BUREAU OF MINES
Denver Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

SOUTHWEST EXPERIMENT STATION
BOX 4097
UNIVERSITY STATION

TUCSON, ARIZONA

August 3, 1954

Memorandum

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

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : Semi-Annual Report on Certified Project, contract I-DMA-E32, Docket DMA-269X-A, Banner Mining Co.'s Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed are original and 7 copies of a report by W. R. Hardwick, Mining Engineer of the Bureau of Mines, on his inspection of the Mineral Hill mine as required by DMEA Circular 32. Exploration at this property was carried out under DMEA Exploration Project Contract No. I-DMA-E32 and a "Certification of Discovery or Development" was issued. This report describes work done on the property during the last 6 months.

Walter R. Storms

Walter R. Storms

CC W. H. King (7)
DMA-269XA
Cert. file
DF

WRStorms:frj

Berk

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

SOUTHWEST EXPERIMENT STATION
Box 4097
UNIVERSITY STATION

TUCSON, ARIZONA

August 3, 1954

Memorandum

To : Walter R. Storms, Chief, Mining Methods Br., Mining Div., Region IV, Tucson, Ariz.

From : William R. Hardwick, Mining Engineer, Tucson, Ariz.

Subject : Semi-Annual Report on Certified Project for Period January 1, 1954 to June 30, 1954, Docket DMA-269X-A, Contract I-DMA-E32, Banner Mining Co.'s Mineral Hill Copper Mine, Pima County, Ariz.

The Mineral Hill Mine was visited on July 8, 1954 and also on July 29, 1954. Mr. E. C. Bowman, acting for A. B. Bowman, general manager, who was absent, and Mr. W. H. Venable, mine superintendent, assisted in the inspection at the mine and supplied the production figures for this report.

This contract was approved on June 29, 1951. It proposed to rehabilitate the Mineral Hill mine so that it could be sampled in order to verify a reported ore reserve of 200,000 tons averaging 3.36 percent copper. If the reserve were verified and geological indications favorable, additional exploration work consisting of drifting, crosscutting, and diamond drilling to increase this reserve was contemplated by the contract.

The operator, Banner Mining Co., commenced operations on August 7, 1951. A substantial tonnage of copper ore was discovered and a "Certification of Discovery or Development" was issued by the Defense Minerals Administration on May 29, 1953. Funds authorized by the contract were exhausted in December 1952 and a final audit of the costs, completed in May 1953, confirmed the actual cost of the project as $102,255.64 of which $51,127.82 was paid by the Government.

The operator has continued exploration and development work on its own account and has estimated ore reserves at 529,400 tons of which 84,400 tons are measured, 364,100 tons are indicated, and 80,900 tons are inferred ore. The grade of this ore has been estimated to be 2.5 percent copper, 0.7 ounces of silver per ton, and 0.05 percent tungsten trioxide.

CC W. H. King (7 & orig)
DMA-269XA
Cert. File
DF

WRHardwick:frj

The Banner Mining Co. secured a production contract from the Defense Materials Procurement Agency which covers the purchase of 12,960,000 pounds of copper at a guaranteed price of 31 cents per pound. The contract provides also for a Government loan of not more than $473,665.00. This loan is repayable in 4.5 years and bears interest at the rate of 5 percent.

The Banner Mining Company completed the construction of a 400-ton per day flotation mill at a cost of $557,379.19 in April 1954, and started production at once. The attached "Production Summary" by B. W. Venable, mine superintendent, shows the production for the 6 months period by months. As indicated in the summary, 24 carload lots of concentrate, that averaged about 24 percent copper, were sent to El Paso Smelting works.

The records of the Tucson office of the U. S. Bureau of Mines indicate that no royalty has been paid by this operator. Production from claims under this contract actually began in May 1954 when the first concentrates were shipped to the Smelter at El Paso. Mr. A. B. Bowman, General Manager, stated: "It is our intent to make royalty payments to the Government under DMA-E-32 monthly upon the receipt of settlements from the General Services Administration." Mr. E. C. Bowman stated that no settlements had yet been received when the property was visited on July 29, 1954.

In addition to the Mineral Hill mine, Banner Mining Co. has discovered a promising ore body, called the Daisy mine, approximately 2,500 feet northeast of that mine. During the period covered by this report 4,340 dry tons of oxide copper ore were sent to the International Smelter at Inspiration, Ariz. This ore averaged 5.87 percent copper. None of this ore was produced from ground covered by the exploration contract.

William R. Hardwick

William R. Hardwick, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

MINERAL HILL MINE
MINERAL HILL PROPERTY

Production Summary Jan 1 - June 30, 1954 Incl.

Date	Mine Production	Dry Tons Ore Produced	Gross # Cu in Produced Ore	Dry Tons Ore Hauled to Mill	Gross # Cu in Ore to Mill
1 - 1 - 54	Stockpile Estimate	12,521	723,714#		
	Adjustment for grab sampling		72,063#		
1 - 1 - 54	Adjusted stockpile estimate	12,521	651,651#		
Month of Jan/54	Ore to Stockpile	182	4,490#	None	
Month of Feb/54	Ore to Stockpile	358	9,928#	none	
Month of Mar/54	Ore to Stockpile	1,388	55,491#	none	
Month of Apr/54	Ore to Mill & Stockpile	2,414	99,987#	1,429)	282,239#
Month of May/54	Ore to Mill & Stockpile	6,687	291,424#	5,588)	
Month of Jun/54	Ore to Mill & Stockpile	7,262	339,760#	9,301	452,463#
6 Mos.summary-Jan thru July/54		30,812 dry tons	1,452,731#	16,318 dry tons	734,702#

Above is gross mine production, subject to metallurgical losses.

Concentrate Production

April 30 - June 30, incl. Concentrates containing 650,606# Cu.
Part of the above concentrate production remains in the mill circuit. Actual shipments thru this period total 24 carload lots of approximately 50 dry tons each, and average about 24% copper, all sent to El Paso Smelting Works.

B. W. Venable
Mine Superintendent

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

224 New Customhouse
Denver 2, Colorado

January 12, 1954.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMA-269XA, Contract No. I-DMA-E32 (Copper), Banner Mining Co.'s Mineral Hill Copper Mine, Pima Mining District, Pima County, Arizona. Semi-Annual Report of Certified Projects.

Enclosed are four copies of the semi-annual report relevant to the subject contract.

W. H. King

W. H. King

Enclosures

January 7, 1954

Memorandum

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

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : Semi-Annual Report of DMEA Certified Project, Contract I-DMA-E32, Docket DMA-269XA, Banner Mining Co.'s Mineral Hill Copper Mine, Pima Mining District, Pima County, Ariz.

Enclosed are original and 6 copies of a semi-annual report by L. D. Farnham of the Bureau of Mines on the Mineral Hill (and Plumed Knight) copper mine of the Banner Mining Co., contract I-DMA-E32, Docket DMA-269XA.

Walter R. Storms

Walter R. Storms

CC W. H. King (6)
DMA-269XA
DF

WRStorms:frj

U. S. Bureau of Mines
P. O. Box 4097
Tucson 5, Arizona

January 7, 1953

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period :	July 1, 1953 to December 31, 1953
Docket :	DMA-269X-A, Contract I-DMA-E32
Commodity :	Copper
Operator's name:	Banner Mining Company.
Address :	2042 Conner Stravenue, Tucson, Ariz.
Name of Mine :	Mineral Hill
Location :	Pima County, Ariz.
Date Certified :	May 29, 1953
Contract Amount :	$126,786 : Actual Cost - $102,255.64.
Government's participation :	$51,127.82
Remarks:	

The work is progressing in an efficient and satisfactory manner. Mine development and mill construction are both proceeding on schedule. The concentration of between 300 and 400 tons of ore daily will probably start in April 1954. Thereafter, copper production is expected to exceed 5 million pounds a year. No ore has been sold to date, but over 11,000 tons of sulphide ore, resulting from development work, has been stockpiled.

The Mineral Hill ore bodies occur in a zone of contact metamorphism as various-sized irregular replacements in altered limestone. Chalcopyrite is the principal copper mineral. Estimated reserves are of the order of 450,000 tons containing about 0.7 ounces of silver per ton, 2.5 percent copper, 0.05 percent tungsten trioxide, and small amounts of molybdenum minerals. Test work indicates that about 65 percent of the silver and 95 percent of the copper is recoverable in a flotation concentrate and that from 50 to 60 percent of the scheelite can be recovered by tabling the flotation tailings.

L. L. Farnham, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

CC W. H. King (Orig. & 6)
DMA-269XA
DF

LLFarnham:frj

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

Defense Minerals Administration
AUG 31 1953

224 New Customhouse
Denver 2, Colorado

August 26, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Semi-annual Report, Contract I-DMA-E32, Docket DMA-269XA, Banner Mining Co., Pima County, Arizona.

Enclosed are four copies of the semi-annual report on the Banner Mining Company, Contract I-DMA-E32.

W. H. King

W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 31 1953

MINING DIVISION
REGION IV

August 24, 1953

Memorandum

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

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : Semi-annual Report, Contract I-DMA-E32, Docket DMA-269XA, Banner Mining Co.'s MIneral Hill Copper Mine, Pima Mining District, Pima County, Ariz.

Enclosed are original and 6 copies of a report on the above property by W. R. Hardwick. Some 300,000 tons of copper ore are indicated in this mine. About 4,500 tons of ore had been mined and stockpiled up to June 30 which averaged about 3.0 percent copper. The company is building a mill and stockpiling ore until this mill can be completed.

Walter R. Storms

Walter R. Storms

CC W. H. King (6)
DMA-269XA
DF

WRStorms:frj

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 31 1953

U. S. Bureau of Mines
P. O. Box 4097
Tucson 5, Arizona

Mining Methods Branch
Mining Division
Region IV

August 24, 1953

SEMIANNUAL REPORT OF INSPECTION
DME4 Exploration Project Contract

Inspecting Engineer:	William R. Hardwick
Date of Inspection:	August 21, 1953.
Period:	Start of project through June 30, 1953.
Docket:	DMA-269X-A, Contract I-DMA-E32.
Commodity:	Copper.
Operator's Name:	Banner Mining Company.
Address:	2042 Conner Stravenue, Tucson, Ariz.
Name of Mine:	Mineral Hill.
Location:	Pima County, Arizona.
Date Certified:	May 29, 1953.
Contract Amount:	$126,789.00.
Gov't Participation:	$63,394.50.

Remarks: The Banner Mining Company is building a Concentrating plant and developing the Mineral Hill mine for continuous production of the ore discovered under the contract. Actual mill construction has started. No ore has been sold to date but approximately 4,500 tons at an estimated grade of 3 percent copper have been stockpiled. This ore will be processed when the plant is completed.

Approximately 300,000 tons of copper ore are indicated in the mine.

William R. Hardwick

William R. Hardwick, Mining Engineer
Mining Methods Branch
Mining Division, Region IV.

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

224 New Customhouse
Denver 2, Colorado

June 8, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Form MF-104, DMEA Docket 269X-A, Contract I-DMA-E32, (Copper), Banner Mining Company, Mineral Hill Copper Mine, Pima County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of December, 1952, pertaining to DMEA Docket 269X-A, Contract I-DMA-E32, Banner Mining Company, Mineral Hill Copper Mine, Pima County, Arizona.

for J. L. Shaw
F. H. King

Enclosures

ld

cc: Contract w/copy of MF-104
Storms w/copy of MF-104
Chron.

June 4, 1953

Progress Report

December, 1953
(Final)

Banner Mining Company
2042 Conner Stravenue
Tucson, Arizona
I-DMA-E32

[illegible] above Reports. Reference a discrepancy [illegible] made in [illegible] to [illegible] your account [illegible]

[illegible]	8926.72
[illegible]	403.33
[illegible]	8523.39

[illegible]

Liability Insurance claimed:		
Compensation from Sept 30, 1952 thru December 31, 1952	$1545.62	
Allowable charge	1475.78	$69.84
Transportation on company owned compressor, disallowed		333.49
		403.33

[illegible]

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

224 New Customhouse
Denver 2, Colorado

June 1, 1953.

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMA Docket 269X-A, Contract I-DMA-E32 (Copper), Banner Mining Company, Mineral Hill Copper Mine, Pima County, Arizona. Operator's Monthly Progress Report for the month of December 1952.

Enclosed are the original and four copies of Form MF-104 and Form MF-104A, Narrative Report, and Engineer's Report for the above period, which constitutes the final report and claim under the contract. Also attached to each copy of the report is the data pertaining to the settlement of the Government's interest in the property acquired under the contract.

Work completed is in conformance with the contract and the Operator has complied with the contract requirements, therefore we recommend that final payment be made to the Operator as outlined below, which is in accordance with the report of final audit by the Contract Administration and Audit Division dated May 5, 1953, released May 28, 1953.

Basis for Final Payment

Total charges authorized by the Audit Report		$51,127.82
Total prior payments	$59,641.62	
Credit by Operator's payment of the Government's interest in property	12,775.49	
Net prior payments		46,866.13
Final payment due the Operator		$4,261.69

W. H. King
W. H. King

Enclosures

JWT:cwm
cc: Contract
Secretary to the Oper. Comm. (2)
WRStorms
Chron.
JWTownsend

Banner Mining Company
2042 Conner Stravenue
Tucson, Arizona

Gentlemen:

The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, for a valuable consideration hereby sells, assigns, transfers and sets over to you all of its right, title and interest in all property acquired under Exploration Project Contract I-DMA-532, Docket No. DMA 269X-A.

THE UNITED STATES OF AMERICA

By W. H. King
W.H. King, Executive Officer
DMEA Field Team, Region IV

Dated MAY 8 1953

224 New Customhouse
Denver 2, Colorado

March 13, 1953

Banner Mining Company
2042 Conner Stravenue
Tucson, Arizona

Attention: Mr. A. B. Bowman, Superintendent,
Arizona Operations

Reference: Docket DMA 2591-A, Contract I-DMA-832

Gentlemen:

Consistent with the authority delegated to this office under Order No. 2484 from the Office of the Secretary, Department of the Interior, we hereby accept your bid dated March 2, 1953, in the amount of $12,775.49 in settlement of the Government's interest in property and the unexpended portion of supplies and materials which were purchased under the terms of Contract I-DMA-832.

Upon receipt of your check in the amount of $12,775.49 and your final engineering and geologic report, in compliance with the applicable provisions of articles "7" and "13" of Exploration Project Contract Form M-200, your final Form MF-104 Report and Voucher for the month of December 1952 will be processed for reimbursement to you.

Very truly yours,

W. H. King

W. H. King
Executive Officer, DMA
Field Team, Region IV

MINING DIVISION
REGION IV

March 10, 1953

Memorandum

Register - Ret. Rec. Req.

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

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : Contract I-DMA-532, Docket DMA-269XA, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quintuplicate is the Banner Mining Co's. bid on equipment used at the above property under contract I-DMA-532.

As the company's bid seems just and reasonable, I recommend that it be accepted. I believe Mr. Allen B. Bowman, general manager of the above company, discussed this matter with Mr. Thomas Brading, DMA Auditor, and Mr. James Townsend of the Bureau of Mines, when these gentlemen were in Tucson recently.

Walter R. Storms

Walter R. Storms

CC W. H. King (4)
DMA-269XA
DF

WRStorms:frj

U. S. BUREAU OF MINES
MINING DIVISION
MAR 1 0 1953
TUCSON, ARIZONA

March 2nd, 1953

Defense Minerals Administration
224 New Customhouse Building
Denver 2, Colorado

Gentlemen:-

The purpose of this letter is to set forth our proposal for a settlement of the Government interest in property purchased for use on the project and paid for or purchased with funds contributed jointly by our company and the Government. This property includes individual items of equipment and facilities, buildings and other fixtures costing more than $50.00 each. It also includes materials and supplies considered in groups or categories, such as pipe, rails, drill steel etc, if the original cost of the remaining unexpended portion of any such category of materials or supplies exceeds $50.00.

Banner Mining Company wishes to retain this above mentioned property; so we have asked two dealers in used machinery, equipment, and materials to bid on the various categories we have at this project. Copies of these bids are attached to this letter.

Banner Mining Company has bid higher than either of the above two concerns for the categories put out on bid. Therefore we feel that such bid should be accepted by the Government.

We are planning on building a concentration mill on the property to mill the ores we have found under this exploration project. Therefore this proposed settlement will in fact only be an interim settlement as the entire amount of costs should eventually be paid out of royalties from production of copper concentrates from the proposed mill.

Schedules 1 and 2 and A to H inclusive together with a Summary of Schedules is attached hereto which show the cost of each category and our proposed basis of settlement.

Other than items listed in Schedules 1 and 2 and A to H inclusive there was no other facility, buildings, fixtures or piece of equipment, and materials and supplies grouped in use categories which had an original cost of more than $50.00 which remain unexpended.

COPY

Contingent upon approval of our proposal, we will render you a check in the amount of $12,775.49 which conforms to the amount due the Government according to the attached schedules.

On rendering this check the Government will be enabled to process for payment the final Form MF-104 report and Voucher for the month of December 1952.

I trust that our proposal will meet with your approval. However if you require any additional information, please advise.

Yours very truly,

Banner Mining Company

A. B. Bowman

A. B. Bowman
General Manager

ABB:ecb

P. S. This letter is written with regard to Contract #I-DMA-E-32, Pertaining to the Mineral Hill Property South of Tucson, Arizona

COPY

SUMMARY OF SCHEDULES

ARTICLE	SCHEDULE	COST	BASIS OF SETTLEMENT	AMOUNT
Operating Equipment Purchased	(1)	$ 2,165.25	100% of Cost to Project	$ 2,165.25
Physical Improvements	(2)	21,648.38	100% of Cost to Project	21,648.38
Electrical Supplies, Equipment and Accessories	"A"	856.03	35% of Cost to Project	299.61
Tools & Small Equipment	"B"	237.61	30% of Cost to Project	71.28
Hose, Air & Water	"C"	119.88	35% of Cost to Project	41.96
Pipe	"D"	2,671.64	5% above net Salvaged Value	449.19
Pipe Fittings	"E"	729.03	20% of Cost to Project	145.81
Track	"F"	2,776.55	5% above net Salvaged Value	585.27
Track Accessories	"G"	443.35	25% Of Cost to Project	110.84
Drill Steel & Bits	"H"	133.51	25% of Cost to Project	33.38
TOTALS		$31,781.23		$25,550.97
GOVERNMENT INTEREST 50%				$12,775.49
REIMBURSEMENT DUE GOVERNMENT				$12,775.49

COPY

There follows Schedules (1) and (2) pertaining to the Operating Equipment Purchased and Physical Improvements accomplished under Contract

I-DMA-E-32

SCHEDULE (1)

OPERATING EQUIPMENT PURCHASED

ITEM	QUANTITY	ORIGINAL COST
Saw, Electric (Skillsaw)	1	$ 165.00
Typewriter	1	135.00
Calculator	1	745.20
Cable, Hoist 3/4"	1200'	374.40
Welder, Arc.	1	592.10
Hoist, Yale, 2 Ton	1	
TOTAL		$2,165.25

Schedule (2)

PHYSICAL IMPROVEMENTS

ITEM	COST
Initial Rehabilitation and Repairs	$ 4,001.12
New Buildings, Improvements	17,647.26
TOTAL	$21,648.38

COPY

There Follows Schedules "A" to "H" inclusive of Supplies, Material and Accessories, Purchased under Contract I-DMA-E32, which were unexpended on completion of the project. The Schedules are broken down to use eatagories, the original cost of which exceeds $50.00, in which the Government has an equity.

COPY

SCHEDULE "A"

ELECTRICAL SUPPLIES, EQUIPMENT AND ACCESSORIES

ITEM	QUANTITY	COST CHARGED TO THE PROJECT
Cable, R. C. 3 Cond. No. 10	125'	$ 46.25
Cable, R. C. 3 Cond. No. 10	125'	46.25
Cable, R. C. 3 Cond. No. 10	125'	46.25
Cable, R. C. 3 Cond. No. 10	125'	46.25
Signal, Benjamin Industrial 110 V #8652	1	15.14
Contactor, Crouse Hinds AF-15	1	10.00
Switch, S-D Safety, TypeC #413114311	1	15.80
Cable, THFA, 3 Cond. Armored No.9	85'	14.78
Control, 110 V, B/W, Type LH Floatless	1	16.00
Relays, Control, GE #CR2810-B-11AA1A	2	22.03
Switch, Wadsworth 3 Pole, 200A 575V #8623X	1	38.05
Switch, Safety, CH, 30A, 600V	1	15.80
Switch, Wadsworth, 3Pole, 200A 575V #8623	2	76.10
Switch, Control, Liquid, Type DH, 440V	1	18.00
Controller, B/W, 6 Cy, 440V, Type LH	1	18.60
Switch, SD, 200A, 575V	1	46.20
Fuse, Renewable, 200A 575V	3	16.08
Switch, Control, B/W, Type LH, Floatless	1	18.60
Switch, Crouse Hinds, AF7	2	15.00
Receptacle, Crouse Hinds, Arktite #AR1031	1	19.92
Fuse, Renewable, 400A 600V	3	32.13
Signal, Shaft, Crouse Hinds, AF-7	1	7.50
Howlers, Benjamin #8652	2	30.28
Telephones, (Banner Made)	3	28.50
Signal Bell, Edwards Adaptabell, 6" 60 Cy. 115 Volts	1	20.10
Howlers, Benjamin, #8652	2	30.28
Control, Elec., B/W, Type L, 440V	1	15.90
Switch, Signal, Crouse Hinds AF-6	2	15.00
Conduit, Greenfield, Flexible	12'	14.46
Horn, Signal, Edwards, Adaptahorn	1	13.28
Switch, Magnetic, GE, 50HP, 600V	2	80.00
Signal, Shaft, Crouse Hinds, AF-7	1	7.50
TOTAL		$ 856.03

COPY

SCHEDULE "B"

TOOLS AND SMALL EQUIPMENT

ITEM	QUANTITY	ORIGINAL COST
Bar, Wrecking	1	$ 4.58
Saw, timber	1	4.75
Brace, Carpenter's	1	3.93
Saw, Hand	1	4.75
Hammer, 12#	1	4.24
Hammer, 4#	1	1.83
Wrench, Pipe 18"	2	7.20
Wheelbarrows, Rubber Tired	2	45.40
Level, Carpenter's	1	1.80
Vise, Pipe 2"	1	17.30
Rollers, Timber	11	47.52
Car, Mine 20 Cu. Ft.	1	25.00
Bonders, Rail	2	69.31
TOTAL		$ 237.61

COPY

SCHEDULE "C"

HOSE, AIR AND WATER

ITEM	QUANTITY	ORIGINAL COST
Hose, Air, 3/4"	100'	$ 70.00
Hose, Water, 1/2"	50'	27.38
Hose, Discharge, 2"	20'	22.50
TOTAL		$ 119.88

COPY

ABSTRACT OF ATTACHED BIDS, SCHEDULES "D" (PIPE) AND "F" (TRACK)

ARTICLE	BOB BARRETT MACHINERY CO. BID PER TON	AMOUNT	PAUL SMITH BID PER TON	AMOUNT	HIGH BID	ESTIMATED SALVAGE COSTS	NET SALVAGED VALUE	BANNER MINING COMPANY BASIS	AMOUNT
Pipe-28,520.7# - 14.26 Tons	$65.00	$926.90	$62.00	$884.12	$926.90	$499.10	$427.80	Net Salvaged Value Plus 5%	$449.19
Track-37,160# - 18.58 Tons	$65.00	$1,207.70	$62.00	$1,151.96	$1,207.70	$650.30	$557.40	Net Salvaged Value Plus 5%	$585.27

SCHEDULE "D"

PIPE

ITEM	QUANTITY	ORIGINAL COST	WEIGHT POUNDS
Pipe, Galvanized, 1/2"	10'	1.45	8.5
Pipe, Galvanized Conduit, 3/4"	20'	3.14	22.6
Pipe, Black 3/4"	294'	30.38	335.2
Pipe, Galvanized, 3/4"	84'	11.72	95.8
Pipe, Black 1"	2121'	346.60	3,559.0
Pipe, Black 2"	1554'	534.78	5,675.2
Pipe, Black 2"	50'	17.55	182.6
Pipe, Black, 3"	63'	39.93	477.2
Pipe, Black, 3½"	3.5'	1.78	31.9
Pipe, Black, 4"	1575'	1,575.71	16,994.3
Pipe, Black, 6"	60'	108.60	1,138.4
TOTALS	5,834.5'	$2,761.64	28,520.7 or 14.26 Tons

COPY

SCHEDULE "F"

TRACK

ITEM	QUANTITY	ORIGINAL COST	WEIGHT POUNDS
Rail, 20#	2,700'	$1,331.28	18,000.
Rail, 16#	1,140'	462.36	6,080.
Rail, 16#	915'	366.61	4,880.
Rail, 16#	750'	298.50	4,000.
Rail, 12#	1,050'	317.80	4,200.
TOTALS	6,555'	$2,776.55	37,160 or 18.58 Tons

Bevlon

147.93

1582.57

COPY

SCHEDULE "E"

PIPE FITTINGS

(Charged to"Supplies Other" on Form MF-104)

ITEM	QUANTITY	ORIGINAL COST
PIPE FITTINGS	Miscellaneous*	$ 729.03
TOTAL		$ 729.03

* Thes[illegible]ous to inventory, therefore settlement is proposed on the [illegible] of the total cost to the project.

COPY

SCHEDULE "C"

TRACK ACCESSORIES

(CHARGED TO "SUPPLIES, OTHER" ON FORM MF-104)

ITEM	QUANTITY	ORIGINAL COST
Bolts, Spikes, and Fish Plates	Miscellaneous*	$ 443.35
TOTAL		$ 443.35

* Items too numerous to inventory, therefore settlement is proposed on the basis of a percentage of the total cost to the project.

COPY

SCHEDULE "H"

DRILL STEEL AND BITS

ITEM	QUANTITY	ORIGINAL COST
Drill Steel	43	$ 121.07
Drill Bits	45	12.44
TOTAL		$ 133.51

COPY

PAUL F. SMITH [illegible] MACHINERY [illegible]

39 West Adams Street
Phoenix, Arizona

February 20, 1953

Manner Mining Company
Mr. Alan Bowman
2042 Conner Stravenue
Tucson, Arizona

Dear Mr. Bowman:

With reference to your surplus pipe and rail, etc., we estimate that there is around 32 tons of the pipe and rail; and for these two items we offer $62.00 a ton of 2,000 pounds- the rail and pipe to be piled on top of the ground, ready for loading on truck.

As regards the miscellaneous items, we offer you:

Detachable bits and drill steel - 10% of your cost, new from the factory.
Track accessories and pipe fittings and accessories - 15% ditto.
Small equipment and tools, electrical supplies and fittings, and air and water hose - 25%, of your cost new from the factory.

We hope to have the pleasure of hearing favorably from you, and we are,

Yours very truly,

Signed

Paul F. Smith

CERTIFIED TRUE COPY

Manner Mining Company

A. P. Bowman
General Manager

COPY

Phone 2-3311

BOB BARRETT

USED MINING AND INDUSTRIAL EQUIPMENT IN GOOD USED COND
APPRAISALS AND LIQUIDATIONS
STOP AND YARD 2210 SOUTH MAIN AVE
P. O. BOX 2304 TUCSON, ARIZONA

February 19, 1953

Conner Mining Company
2242 Conner Stravenue
Tucson, Arizona

Attention Mr. Alan Bowman

Dear Mr. Bowman:

According to the list of pipe and rail submitted to us for Bid, we find a total of 23520# of Pipe in assorted sizes and a total of 37160# of rail in various sizes.

For the 23520# of Pipe we would offer $65.00 per ton f.o.b. collar of shaft at Mineral Hill. For the 37160# of rail we would offer $65.00 per ton f.o.b. collar of shaft at Mineral Hill. The weight based on net tons of 2000# each.

For the following materials and supplies, we would offer as follows:

Tools and small equipment 25% of your original cost.
Electrical fittings and supplies at 25% of your original cost.
Air and water hose at 30% of your original cost.
Pipe fittings and accessories at 15% of your original cost.
Mine track accessories at 20% of your original cost.
Drill steel and detachable bits at 10% of your original cost.

Hoping you find our bid of interest,

I remain,

Signed

Bob Barrett

Elizo

Certified True Copy

Conner Mining Company

A. L. Bowman

General Manager

MINING REGION
REGION IV

March 18, 1953

Memorandum

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

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : December 1952 Progress Report, Docket DMA-269XA, Contract I-DMA-E32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report with map;

(3) Forms MF-104 and 104A.

Also enclosed are two extra copies of our engineer's report.

As all work is in accordance with the terms of the contract, I recommend that the Government's share of the costs be paid.

Walter R. Storms

Walter R. Storms

CC W. H. King (6)
DMA-269XA
DF

WRStorms:frj

MINING DIVISION
REGION IV

March 18, 1953

Memorandum

To : Walter R. Storms, Chief, Mining Methods Br., Mining Div., Region IV

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

Subject : Progress Report for December 1952, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz., DMA-Docket 269X-A, Contract I-DMA-E32

The Mineral Hill Mine was visited January 9, 1953 to determine if the exploratory work continues to be in conformance with subject contract and to check progress for December. Supplies used during December were inventoried and cost accounts were reviewed before an inspection of pertinent mine workings was made accompanied by A. B. Bowman, manager.

The inspection trip showed that the following work was accomplished in December:

1. Inclined shaft - Unwatered, cleaned-out, and repaired from 15 feet below the 600 level to 7 feet below the 700 level where the water level is being maintained;

2. 700 level - Station timber-set placed, south crosscut cleaned out and track laid for 208.5 feet, 2 drift sets installed in crosscut, 31 tons of muck reportedly pulled from west raise, and surveying, mapping and sampling continued;

3. 600 level - Some timber was installed in the west raise below the level before deciding not to reopen the raise because dangerously heavy ground would require excessive expense.

CC W. H. King (Orig. & 6)
DMA-269XA
DF

TMRomslo:frj

CONTRACT, FORMS MF-104 AND 104A, AND OPERATOR'S NARRATIVE REPORT

The following conclusions are based on the inspection of the project and subject data:

1. Expenditures reached the allowable total of $126,739.00 during December and at the end of the month were $128,209.94 as revised to reflect deductions and correct distribution in accordance with the Audit Report of November 28, 1952.

2. The work performed and for which claim is made, up to the limit of Governmental participation, is in accordance with the contract and is as reported on Form MF-104A.

3. The supply and service charges were necessary and do not appear to be excessive. For record purposes, the charge for depreciation of equipment consists of $41.66 for hoist and motor, $41.66 for 2 pumps, $10.00 for 8 mine cars, $5.83 for cut-off saw, and $131.16 for the compressor.

4. The Operator's Narrative Report and map are considered adequate.

T. M. Romslo

T. M. ROMSLO, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

March 16th, 1953

Defense Minerals Administration
224 New Customhouse Building
Denver 2, Colorado

Re:- Contract # I-DMA-E-32, Pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of December 1952 and following is a list of amounts completed during the month. Completion of this report was held up pending the completion of the audit by the Government.

1. The Mineral Hill Inclined Shaft was unwatered from a point 15 feet below the 600 station to a point 7 feet below the 700 station and held there. It is 99.5 feet from the 600 level station floor to the 700 station floor. The advance for the month in the shaft amounted to 92 feet. A considerabl portion of the shaft over this distance was full of muck and debri which had to be cleaned out.

2. The crosscut to the south from the shaft on the 700 level was cleaned out and track layed for a distance of 208.5 feet. A new station set on the 700 level was installed and two drift sets had to be installed in the crosscut.

3. 31 tons of muck were pulled from the 600 West Raise and some timbering completed during the first week of December. The ground in this raise is very heavy and dangerous and would entail very heavy expense in reopening. we therefore stopped this work on December 7, 1952.

4. Surveying, mapping and sampling was continued on the 700 level during the month. A geological plan map is attached which shows the formations on the 700 level together with the assays received so far.

It is realized that this project will run out of money at some point in the month of December. It is my understanding that we are still to send in Forms MF-104 and 104A together covering the full month of December 1952.

COPY

In as much as this report constitutes the final Forms MF-104 and 104A, which will be submitted for work under Contract I-DMA-E-32, the forms are revised to reflect deductions in accordance with the audit report.

It is my understanding that we will be reimbursed for the Governments share of this months report up to the limit as set forth in the contract.

This letter is intended as a narrative report covering progress during the month of December 1952.

Respectfully submitted,

Banner Mining Company

A. B. Bowman
Manager

ABB:ecb

COPY

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of December, 1952 Docket No. DMEA DMA-269-X-A Contract No. I-DMA-E-32
Operator's Name Banner Mining Company Minerals Copper
Address 2042 Conner Stravenue, Tucson, Arizona
Contract Amount, $ 126,789.00 Government Participation: 50 % Amount, $63,394.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:		*				
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	5,391.07	52,633.68	58,024.75			
Supervision	758.87	8,746.52	9,505.39			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	199.16	4,776.53	4,975.69			
Explosives	11.88	77.77	89.65			
Pipe and Fittings	15.38	3,385.29	3,400.67			
Track and Accessories	311.48	2,908.42	3,219.90			
Other Supplies	287.31	4,024.89	4,312.20			
Power	530.79	6,084.63	6,615.42			
(4) Operating Equipment:						
Rental						
Purchase		2,165.25	2,165.25			
Depreciation	230.31	1,931.98	2,162.29			
(5) Initial Rehabilitation and Repairs		4,001.12	4,001.12			
(6) New Bldgs., Improvements, etc.		17,647.26	17,647.26			
(7) Miscellaneous:						
Repairs to Equipment	362.41	1,130.78	1,493.19			
Sampling and Analysis	37.50	643.50	681.00			
Payroll Taxes	176.09	2,048.92	2,225.01			
Liability Insurance	544.85	6,050.21	6,595.06			
(8) Contingencies (specify):						
Transportation	3.79	329.70	333.49			
Accountant Salary	65.83	696.77	762.60			
				8,926.72	119,283.22	128,209.94
TOTALS	8,926.72	119,283.22	128,209.94**	- 403.33		- 403.33
					-25,550.97	- 25,550.97

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

Date ..... *Payee Banner Mining Company

Per G. D. Bowman Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

8,523.39 93,732.25 102,255.64

$ 4261.69

Signature .....
(Authorized Certifying Officer)

Date 6/4/53 Vou. No. DMA 53-143
(See other side)

*- Amounts shown on this report reflect deductions as per Audit, report dated November 28, 1952, and a revision of the distribution between items. **-Liability Ins. overcharge $69.84

***-Transportation charge on Company owned compressor $333.49

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. I-DMA-E32 in accordance with the terms of the contract.

Signature M M Pomalo Title Mining Engineer Date March 19 1953

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer Date JUN 1 1953

MONTHLY REPORT OF OPERATOR

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

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

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

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form DEF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1952 Docket No. DMA-269-X-A Contract No. I-DMA-E-32

Operator's Name Banner Mining Company Minerals Copper

Address 2042 Conner Stravenue, Tucson, Arizona

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehabilitation		8,926.72		104,396.31				
TOTAL DISTRIBUTED COSTS		8,926.72		104,396.31				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2,165.25				
Initial Rehabilitation and Repairs				4,001.12				
New Buildings, Improvements, etc.				17,647.26				
TOTAL COSTS		8,926.72		128,209.94				

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

Date _____ Operator Banner Mining Company

Per A. S. Conner Title Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

Standard Form No. 1044—Revised
Form approved by Comptroller General U. S.
June 25, 1936

SCHEDULE OF COLLECTIONS

Schedule No. DMA-55-C-65

Sheet No. 1

Department of Interior
(Department or Establishment)

Defense Minerals Exploration Administration
(Bureau or Office)

Received by C. E. Evans, Regional Disbursing Officer (Name) (Title) at Denver, Colorado (Station)

Period May, 1955 (Month or quarter ended)

D. O. Symbol No. 415

Date Received	Receipt Number	Name of Remitter	Detail Description of Purpose for Which Collections Were Received	Amount	Fund to be Credited (Symbol and title in full)
5/8/55		Banner Mining Company Check No. A-5067, drawn on First National Bank and Trust Company Oklahoma City, Oklahoma	Final Settlement of all property acquired under Exploration Project Contract I-DMA-552 Banner Mining Company	$12,775.49	14X4401 Revolving Fund Defense Production Act, Interior
			Total,	$12,775.49	

Received _____, subject to collection. Forwarded May 11, 1955

_____ (Disbursing clerk or accountable officer)

By _____

By _____ (Name)
Naomi B. Stokes
Title Authorized Certifying Officer

Certificate of Deposit No. _____ dated _____

U. S. GOVERNMENT PRINTING OFFICE 10—1790

Banner Mining Company (DMA-269XA)
Mineral Hill Mine
Idm-E32

Total Contract Amount	$126,786
(50-50 Contract) Govt's share	63 393
Salvage value of equipment	25,550.98
Govt's equity	12,775.49
Operator elects to buy Government's equity:	$63,393.00
	12,775.49
I claim Operator owes this amount to the Government →	$50,617.51
Audit Division claims Operator owes:	$57,127.82

Seems to be an overcharge of the following:

	$57,127.82
	50,617.51
	510.31

EWP

MINING DIVISION
REGION IV

March 1[illegible], 1953

Memorandum

To : [illegible] Chief, Mining Division, Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : December 1952 Progress Report, Docket MM-2[illegible], Contract I-[illegible]-E32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;

(2) Operator's narrative report with map;

(3) Forms [illegible]-194 and 1044.

Also enclosed are two extra copies of our engineer's report.

As all work is in accordance with the terms of the contract, I recommend that the Government's share of the costs be paid.

Walter R. Storms

Walter R. Storms

[illegible] (6)
[illegible]
[illegible]

WRStorms:Jrj

MINING DIVISION
REGION IV

March 1?, 1953

Memorandum

To : Walter R. Storms, Chief, Mining Methods Br., Mining Div., Region IV

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

Subject : Progress Report for December 1952, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz., DMA-Docket 269X-A, Contract S-DMA-E32

The Mineral Hill Mine was visited January 7, 1953 to determine if the exploratory work continues to be in conformance with subject contract and to check progress for December. Supplies used during December were inventoried and cost accounts were reviewed before an inspection of pertinent mine workings was made accompanied by A. H. Bowman, manager.

The inspection trip showed that the following work was accomplished in December:

1. Inclined shaft - Unwatered, cleaned-out, and repaired from 15 feet below the 500 level to 7 feet below the 700 level where the water level is being maintained;

2. 700 level - Station timber-set placed, south crosscut cleaned out and track laid for 20?.5 feet, 2 drift sets installed in crosscut, 31 tons of muck reportedly pulled from west raise, and surveying, mapping and sampling continued;

3. 600 level - Some timber was installed in the west raise below the level before deciding not to reopen the raise because dangerously heavy ground would require excessive expense.

cc W. H. King (Ariz. & C)
DMA-269XA
DF

TMRomslo:frj

CONTRACT, FORMS MF-104 AND 1044, AND OPERATOR'S NARRATIVE REPORT

The following conclusions are based on the inspection of the project and subject data:

1. Expenditures reached the allowable total of $126,719.00 during December and at the end of the month were $12[illegible],209.94 as revised to reflect deductions and correct distribution in accordance with the Audit Report of November 2[illegible], 1952.

2. The work performed and for which claim is made, up to the limit of Governmental participation, is in accordance with the contract and is as reported on Form MF-1044.

3. The supply and service charges were necessary and do not appear to be excessive. For record purposes, the charge for depreciation of equipment consists of $41.66 for hoist and motor, $41.66 for 2 pumps, $10.00 for 3 mine cars, $6.[illegible] for cut-off saw, and $131.15 for the compressor.

4. The Operator's Narrative Report and map are considered adequate.

T. M. Romelo

T. M. ROMELO, Mining Engineer
Mining Methods Branch
Mining Division, Region IV

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
RECEIVED
DEC 14 1953

March 16th, 1953

Defense Minerals Administration
224 New Customhouse Building
Denver 2, Colorado

Re:- Contract # I-DMA-E-32, Pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of December 1952 and following is a list of amounts completed during the month. Completion of this report was held up pending the completion of the audit by the Government.

1. The Mineral Hill Inclined Shaft was unwatered from a point 15 feet below the 600 station to a point 7 feet below the 700 station and held there. It is 99.5 feet from the 600 level station floor to the 700 station floor. The advance for the month in the shaft amounted to 92 feet. A considerable portion of the shaft over this distance was full of muck and debri which had to be cleaned out.

2. The crosscut to the south from the shaft on the 700 level was cleaned out and track layed for a distance of 208.5 feet. A new station set on the 700 level was installed and two drift sets had to be installed in the crosscut.

3. 31 tons of muck were pulled from the 600 West Raise and some timbering completed during the first week of December. The ground in this raise is very heavy and dangerous and would entail very heavy expense in reopening. we therefore stopped this work on December 7, 1952.

4. Surveying, mapping and sampling was continued on the 700 level during the month. A geological plan map is attached which shows the formations on the 700 level together with the assays received so far.

It is realized that this project will run out of money at some point in the month of December. It is my understanding that we are still to send in Forms MF-104 and 104A together covering the full month of December 1952.

COPY

In as much as this report constitutes the final Forms MF-104 and 104A, which will be submitted for work under Contract I-DMA-E-32, the forms are revised to reflect deductions in accordance with the audit report.

It is my understanding that we will be reimbursed for the Governments share of this months report up to the limit as set forth in the contract.

This letter is intended as a narrative report covering progress during the month of December 1952.

Respectfully submitted,

Banner Mining Company

A. B. Foreman
Manager

ABB:ecb

COPY

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 14 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of December 1952 Docket No. DMA-269-X-A Contract No. I-DMA-P-32

Operator's Name Banner Mining Company Minerals Copper

Address 2042 Connor Stravenue, Tucson, Arizona

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehabilitation		8,926.72		104,396.31				
TOTAL DISTRIBUTED COSTS		8,926.72		104,396.31				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2,165.25				
Initial Rehabilitation and Repairs				4,001.12				
New Buildings, Improvements, etc.				17,647.26				
TOTAL COSTS		8,926.72		128,209.94				

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

Date _____ Operator Banner Mining Company

Per A. L. Thomas Title Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

LARGE FORMAT DOCUMENTS AT END OF FILE

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 16 1953

224 New Customhouse
Denver 2, Colorado

January 14, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 269XA, Contract I-DMA-E32 (Copper), Banner Mining Company's Mineral Hill Mine, Pima County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period November, 1952, pertaining to DMA Docket 269XA, Contract I-DMA-E32, Banner Mining Company's Mineral Hill Mine, Pima County, Arizona.

W. H. King
W. H. King

Enclosures

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R10
Approval expires 6-30-53

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 16 1953

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of November, 1952 Docket No. DMEA 269-X-A Contract No. I-DM-E-32
Operator's Name Banner Mining Company Minerals Copper
Address 2042 Conner Stravenue, Tucson, Arizona
Contract Amount, $ 126,789.00 Government Participation: 50 % Amount, $63,394.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	4,010.35	49,966.05	53,976.40			
Supervision	516.48	8,433.12	8,949.60			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	510.00	4,266.53	4,776.53			
Explosives	4.58	73.19	77.77			
Pipe	81.62	2,038.53	2,120.15			
Track	283.87	1,874.73	2,158.60			
Other Supplies	243.56	6,957.66	7,201.22			
Power	543.47	4,242.09	4,785.56			
(4) Operating Equipment:						
Rental						
Purchase		2,165.25	2,165.25			
Depreciation	230.31	1,873.83	2,104.14			
(5) Initial Rehabilitation and Repairs		11,919.89	11,919.89			
(6) New Bldgs., Improvements, etc.		11,027.56	11,027.56			
(7) Miscellaneous:						
Repairs to Equipment	1.84	273.52	275.36			
Sampling and Analysis	45.75	597.75	643.50			
Payroll Taxes	143.00	2,021.87	2,164.87			
Liability Insurance	459.27	5,762.76	6,222.03			
Transportation	5.90	868.13	874.03			
Accountants Salary	65.83	646.64	712.47			
(8) Contingencies (specify):						
				7,145.83	115,009.10	122,154.93
					*-217.24	-217.24
TOTALS	7,145.83	115,009.10	122,154.93**	2,654.46		**-2,654.46
				4,491.37	114,791.86	119,283.23

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

Date 12-12-52 *Payee Banner Mining Company

Per G. L. Bowman Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$2245.69

Signature [illegible]
(Authorized Certifying Officer)

Date 1/14/53 Vou. No. DMA 53-80
(See other side)

* Previous deductions
** Deductions per DMEA Auditors report dtd 11/28/52

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. I-DMA-E32 in accordance with the terms of the contract.

Signature T M Romolo WRF Title Mining Engineer Date Dec 16, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R. DB.

Signature W H King Title Executive Officer Date JAN 8 1952

MONTHLY REPORT OF OPERATOR

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

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

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

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 10 1953

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of November 1952 Docket No. DMEA 269-X-A Contract No. I-DM-E-32

Operator's Name Banner Mining Company Minerals Copper

Address 2042 Conner Stravenue, Tucson, Arizona

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehabilitation		7,145.83		97,042.23				
TOTAL DISTRIBUTED COSTS		7,145.83		97,042.23				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2,165.25				
Initial Rehabilitation and Repairs				11,919.89				
New Buildings, Improvements, etc.				11,027.56				
TOTAL COSTS		7,145.83		122,154.93				

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

Date 12-12-52 Operator Banner Mining Company

Per A. L. Bowman Title Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 13 1953

R.B.

Administrative Audit Difference Statement

Date: January 13, 1953
Payee's Reference: Progress Report - ~~November 1952~~

Banner Mining Col
2042 Conner Stravenue
Tucson, Arizona

Upon examination of the above Payee's Reference a difference was Found which made it necessary to suspend your account accordingly:

Amount Claimed $7,145.83

Difference $2,654.46

Amount Approved $4,491.37

The reason for the difference was due to:

Following deductions per DMEA Auditors report dated 11/28/52:
Installing 686 CFM Compressor -- Not allowable under contract.

1 2 Supervision	99.79
A. B. Bowman, Gen. Mgr.	74.03
E. E. Bray, Mine Foreman	29.26
1 2 Labor	1,342.72
Depreciation charged to installation of 686 CFM compressor. Not covered by contract	21.16
Pipe disallowed under terms of contract	281.05
Other supplies disallowed under terms of contract	503.40
1 Applicable Compensation Insurance	171.82
2 Applicable Payroll taxes	62.41
Payroll Tax on disallowed salary of accountant for Sept. 1951 (Tax on $66.25 is $4.64. 1/2 to Contract E32)	2.32
Payroll Tax disallowed due to the fact that certain employees reached the statutory requirements but the fact was overlooked in charging F.I.C.A. and Unemployment Insurance.	31.28

(Continued on next page)

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV-B & F Form No. 4
4-15-52 D

Unemployment Insurance figured at 2% which should have been figured at 3%	19.94
Pro-rated part of Accountant's Salary charged to Installation of Compressor disallowed under terms of contract.	15.28
Total	$2,654.46

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

224 New Customhouse
Denver 2, Colorado

January 8, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region IV

Subject: DMA Docket 269XA, Contract I-DMA-E32 (Copper), Banner Mining Company's Mineral Hill Mine, Pima County, Arizona - Operator's Monthly Progress Report for the period of November 1952

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

Work has been completed as authorized by the contract. Documentation has been waived, therefore we recommend that payment be made for 50 percent of the amount as reported by the Operator on Form MF-104 subject to verification of arithmetical accuracy within Form MF-104, and contingent on findings of subsequent on-site audit of the Operator's accounts.

The following deductions as recommended in Audit Report dated November 28, 1952, prepared by the Contract Administration and Audit Division, are to be made from the Operator's Report for the month of November 1952:

Labor	$1,342.72
Supervision	203.08
Equipment Rental	21.16
Other Supplies	503.40
Pipe	281.05
Comp. Insurance	171.82
Payroll Tax	115.95
Accountant	15.28

Remarks:

Date of Report	Dec. 12, 1952
Date Received in Ariz.-New Mexico Branch Office	Dec. 15, 1952
Date Received in Region IV Office	Dec. 29, 1952
Date Processed for Payment	Jan. 8, 1953

RDB:jp
cc Sec. Oper. Committee (2)
WRStorms
Contract - Chron
Enclosures

W. H. King
W. H. King

MINING DIVISION
REGION IV

December 23, 1952

Memorandum

To : W. H. King, Chief, Mining Div., Region IV

From : Chief, Mining Methods Br., Mining Div., Region IV

Subject : November 1952 Progress Report, Docket DMA-269XA, Contract I-DMA-D32, Danner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quintuplicate are the following:

(1) Bureau of Mines engineer's report;
(2) Operator's narrative report with maps;
(3) Forms MF-104 and MF-104A.

Also enclosed are two extra copies of our engineer's report.

Documentation has been waived for this contract.

As all work is in accordance with the terms of the contract, I recommend that the Government's share of the costs be paid.

Walter R. Storms

Walter R. Storms

CC W. H. King (6)
DMA-269XA
DF

WRStorms:frj

MINING DIVISION
REGION IV

December 16, 1952

Memorandum

To : W. R. Storms, Chief, Mining Methods Branch, Mining Div., Region IV

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

Subject : Progress Report for November 1952, Banner Mining Co., Mineral Hill Copper Mine, Pima County, Ariz., DMA Docket 269X-A, Contract I-DMA-E32.

The Mineral Hill mine was visited December 12, 1952 by the writer and L. L. Farnham, Bureau of Mines mining engineer, Tucson, Ariz. to check progress on the exploratory project for November and to determine if the work continues to be carried out in accordance with the subject contract. The following was accomplished before inspecting the project workings in the company of E. E. Bray, mine foreman:

1. An inventory was taken of supplies used during November;

2. November's cost accounts were reviewed;

3. Core and log of a diamond drill hole completed under contract I-DMA-E33 at the Banner Mining Co's. Twin Butte Mines were inspected with D. W. Venable, the company's geologist;

4. The probability that the Mineral Hill mine will be set up for production in the near future was discussed with A. B. Bowman, manager. Mr. Bowman had recently returned from Washington, D. C. where he had submitted plans with costs for operation of the mine and a mill in connection with negotiations for a fixed metal price based on cost of production. He said a contract providing for a fixed metal price, would probably be received shortly. Mr. Bowman, also showed us the results of preliminary tests made on the ore by Gallagher & Co., Salt Lake City. The approximate grade of ore used in these tests was 2.7 percent copper, 0.04 percent molybdenum, and 0.10 percent tungsten oxide. Recoveries made were 95 to 98 percent of the copper, and about 50 percent of the tungsten. Tests for recovery of the molybdenum had not been completed. Ore reserves, estimated at 250,000 tons a few months ago, were not discussed with Mr. Bowman at this meeting.

CC W. H. King (Orig. & 6)
DMA-269X-A
DF

TMRomslo:frj

5. Mr. Bowman also informed us that he was about to sign a contract with the Sherwin F. Kelly Geophysical Services, Inc., for a survey of the contact area both to the east and west of the Mineral Hill mine. The survey to the east will carry to within several hundred feet of a copper deposit discovered through geophysical methods and placed in operation by the Pima Mining Co. in 1952.

The inspection of pertinent underground workings showed the following work was done during November.

1. 500 level - 168.0 feet of drifts and crosscuts were cleaned out and a small portion of this advance was timbered. A timber collar and landing was installed on the 500 level of the 600 west raise and 75 feet of the raise was timbered from the 500 level down.

2. 600 level - 244 feet of drifts and crosscuts were cleaned. About 320 tons of water-saturated muck was reportedly drawn from the 600 West raise. Electrical switches and wiring were installed at the shaft station preparatory to the dewatering of the shaft to the 700 level. In connection with the latter work, 316 feet of 300,000 circular mill, 3-conductor armored cable, 100 percent owned by the Banner Mining Co., was installed in the shaft.

3. A 100-H.P. Westinghouse electric hoist, 100 percent owned by the Banner Mining Co., was installed on thehoist at the inclined shaft to replace the 75-H.P. motor which was in need of repair. The larger hoist will be used at no additional cost to the Government.

4. Surveying and sampling on the 500 and 600 levels continued. Maps of each of these levels are attached to the Operator's Narrative Report.

CONTRACT FORMS, MF-104 and 104A, AND OPERATOR'S NARRATIVE REPORT

It will be noted that Governmental participation in subject contract will be terminated during December or January because the allowable funds will be exhausted. November's Form MF-104 shows that $122,154.93 of the allowable $126,789.00 has been expended. Thus $4,634.07 is available for December before the $2,871.71 disallowed in Brading's Audit Certificate. In event Denver accepts Bradings' recommended disallowances, either in full or part, I believe the Operator should receive official notification during December so that he can made the proper deductions and increase the funds available by the sum disallowed. In other words, if Brading's $2,871.71 is disallowed in full the operator will have that amount plus $4,634.07, or $7,505.78, available for December operations.

The following is indicated on the inspection of the project workings and cost accounts:

1. The work performed and for which claim is made is in accordance with the contract and is as reported on Form MF-104A;

2. The supply and service charges were necessary and do not appear excessive. They have been accepted as correct pending an on-site audit. For record purposes, the charge for depreciation includes hoist motor $41.66, 2 pumps $41.66, 8 mine cars $10.00, saw $5.83, and compressor $131.16. Further, the operator has not charged for supervision for A. Bowman during the period he was absent from the project.

3. The Operator's Narrative Report is considered adequate.

T. M. Romslo

T. M. ROMSLO

November 12th, 1952

Defense Minerals Administration
224 New Customhouse Building
Denver 2, Colorado

Re:- Contract #I-DMA-E-32, Pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of October, 1952 and the following is a list of amounts completed during the month:

1. The water level was held at a point 745 feet from the collar of the inclined shaft, while cleanup work was continued on the 500 and 600 levels.

2. 99.5 feet of drifts and crosscuts on the 600 level were cleaned out during the month. Of this total 69 feet had to be timbered.

3. 94.5 feet of drifts and crosscuts on the 500 level were cleaned out during the month. Of this total 73 feet had to be timbered, part of which was spiling.

4. Two raises in the west end of the 500 level were made accessible for examination and sampling by the installation of 116 feet of ladder and necessary timbers.

5. About 102 tons of water saturated decomposed limestone were drawn from the 600 West Raise during the month, but the raise is not open yet.

6. Survey, mapping and sampling were continued during the month on the 300, 500 and 600 levels. The surveying, mapping and sampling completed on the 300 level was done at no cost to the project or the government. Maps showing assays and location of samples taken, geology and progress for October are attached hereto covering the 500 and 600 levels.

7. 151 feet of core drilling were done on the 300 level, and 60 feet on the west 600 level. This work was done without cost to the project or the government.

This report is intended as a narrative report on progress made at the Mineral Hill Mine during October, 1952.

Respectfully submitted,

Banner Mining Company

B.W. Venable
Engineer

BWV:ecb

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

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

RECEIVED
DEC 12 1952

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

Month of October, 1952 Docket No. DMEA 269-X-A Contract No. I-XI-2-32
Operator's Name Danner Mining Company Minerals Copper
Address 2242 Connor Stravenue, Tucson, Arizona
Contract Amount, $ 126,789.00 Government Participation: 50 % Amount, $ 63,394.50

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	5,332.47	44,851.94	50,184.41			
Supervision	782.35	8,079.05	8,861.40			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	415.09	3,851.44	4,266.53			
Explosives	1.16	72.03	73.19			
Pipe	96.15	1,942.33	2,038.53			
Track	99.88	1,774.85	1,874.73			
Other Supplies	129.42	6,828.24	6,957.66			
Power	467.62	3,774.47	4,242.09			
(4) Operating Equipment:						
Rental						
Purchase		2,165.25	2,165.25			
Depreciation	238.31	1,635.52	1,873.83			
(5) Initial Rehabilitation and Repairs		11,919.39	11,919.39			
(6) New Bldgs., Improvements, etc.		11,027.56	11,027.56			
(7) Miscellaneous:						
Repairs to Equipment	6.77	266.75	273.52			
Sampling and Analysis	355.00	242.75	597.75			
Payroll Taxes	179.99	1,841.88	2,021.87			
Liability Insurance	541.50	5,221.26	5,762.76			
Transportation	6.11	862.02	868.13			
(8) Contingencies (specify):						
				8,651.82	106,357.28	115,009.10
					*- 217.24	217.24
TOTALS	8,651.82	106,357.28	115,009.10	8,651.82	106,140.04	114,791.86

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

Date 11-12-52 *Payee Danner Mining Company

Per B.L. Kunable Title Engineer

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 4325.91

Signature
(Authorized Certifying Officer)

Date 12/4/52 Vou. No. DMA 53-67
(See other side)

* Previous disallowances

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. I-DMA-E32 in accordance with the terms of the contract.

Signature T M Romolo Title Mining Engineer Date Nov 19, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: R.D.B. for WHS

Signature W. H. King Title Executive Officer Date 12/1/52

MONTHLY REPORT OF OPERATOR

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

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

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

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of October 1952 Docket No. DMEA 269-X-A Contract No. I-37-E-32
Operator's Name Banner Mining Company Minerals Copper
Address 2042 Conner Stravenue, Tucson, Arizona

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehabilitation		8,651.82		89,896.40				
TOTAL DISTRIBUTED COSTS		8,651.82		89,896.40				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2,165.25				
Initial Rehabilitation and Repairs				11,919.89				
New Buildings, Improvements, etc.				11,027.56				
TOTAL COSTS		8,651.82		115,009.10				

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

REMARKS:

Date 11-12-52 Operator Banner Mining Company

Per B.W. Venable Title Engineer

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

(Instructions on reverse)

(For Government use only)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 12 1952

INSTRUCTIONS

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

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

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

GPO 83-38475

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

224 New Customhouse WASHINGTON 25, D. C.
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

November 18, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 269X-A, Contract I-DMA-E32 (Copper), Banner Mining Company, Pima County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report, Form MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of September 1952 pertaining to DMA Docket 269X-A, Contract I-DMA-E32, Banner Mining Company.

W. H. King
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

October 21, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 269X-A, Contract I-DMA-E32 (Copper) Banner Mining Company, Pima County, Arizona - Operator's Monthly Progress Report for the period of September, 1952

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

Work has been completed as authorized by the contract. Documentation has been waived, therefore we recommend that payment be made as reported by the Operator on Form MF-104 subject to verification of arithmetical accuracy within Form MF-104 and contingent on findings of subsequent on-site audit of the Operator's accounts.

W. H. King
W. H. King

Enclosures

JWT:oc

cc: Contract
Secretary to the Operating Committee (2)
WRStpmm
Chron.
Koschmann (2)

BUREAU OF MINES
REGION IV

October 15, 1952

Memorandum

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

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : September 1952, Progress Report, Docket DMA-269XA, Contract I-DMA-E32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quintuplicate are the following items for the above progress report:

(1) Bureau of Mines engineer's report;

(2) Operator's Narrative report with maps;

(3) Forms MF-104 and 104A

Also enclosed are two extra copies of our engineer's report.

As documentation has been waived for this project, no cost statements or payrolls are enclosed.

As all work is in accordance with the terms of the contract, I recommend that the Government's share of the costs be paid.

Walter R. Storms

Walter R. Storms, Chief
Arizona-New Mexico Branch
Mining Division, Region IV

CC W. H. King (6)
DMA-269XA
DF

WRStorms:frj

MINING DIVISION
REGION IV

October 15, 1952

Memorandum

To : W. R. Storms, Chief, Arizona-New Mexico Br., Mining Division, Region IV, Tucson, Ariz.

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

Subject : Progress Report for September 1952, Banner Mining Co., Mineral Hill Copper Mine, Pima County, Ariz., DMA Docket 269X-A, Contract I-DMA-E32

The Mineral Hill mine was visited October 8 to check progress on the exploratory project for September and to determine if the work continues to be carried out in accordance with the subject contract. Cost accounts were reviewed and an inventory was taken of supplies used before inspecting the project workings with Allen Bowman, superintendent of the property.

The inspection trip indicated that the following work was done during September:

1. The water level was maintained at a point 745 feet from the collar of the inclined shaft.

2. 500 level - Cleaning of drifts and crosscuts showed an advance of 330 feet of which 35 feet had to be timbered. Platform and guards were installed at the entrance to the 600 east raise.

3, 600 level - Cleaning of drifts and crosscuts showed an advance of 470 feet of which 42 feet had to be timbered. Spiling was necessary in places. Bad air encountered in the west drift made it necessary to ventilate this section with compressed air. A chute was installed in the 600 west raise to facilitate removal of wet and sticky muck of which about 190 tons were handled during the month.

4. Surveying, mapping, and sampling of the 500 and 600 levels was continued. Sampling on these levels will be completed during October.

CC W. H. King (orig. and 6)
DMA-269XA
DF

TMROMSLQ:frj

5. Surface - The 686 cfm Gardner-Denver compressor installation was completed. In addition to the above work, all covered by the contract, the following was done at no cost to the project or the Government:

a. 500 feet of 250 MEM R.C. cable and 327 feet of 4/0 R. C. cable, both 100 percent owned by the Banner Mining Company, were installed to the compressor mentioned above under item 5;

b. Surveying, mapping and sampling of the 300 level was continued;

c. Diamond drilling on the 300 level was started.

The inspection of the project and the operators' reports indicate the following:

1. The work performed and for which claim is made is in accordance with the contract and is as reported on Form MF-104A. It will be noted that cost distribution now conforms with instructions on the use of the new MF-104 forms. There appears to be an error in the total approved expenditures dating back to the June statement. On this statement, the approved amount for the month was $138.47 less than claimed, - this amount is covered by your Administrative Audit Difference Statement of June 2 and was deducted by the operator. The June MF-104 shows a deduction in the approved amounts of $217.40, that has been carried forward to date. The operator's and approved totals for the previous month, May, are the same, so we cannot understand this deduction of $217.40

2. The supply and service charges were necessary and do not appear to be excessive. An explanation of some of the charges follows:

Supervision - The increase over previous months has been allowed by an amendment to the contract. The amount charged is less than allowed.

Power - The power company has put into effect a new rate schedule. The pro-rated cost of power to the project and independent work is equitable. The method used to determine these costs was suggested by the writer and is explained in the Operator's Narrative Report.

Depreciation - Allowable charges for equipment used during the month, consisted of cement mixer, hoist and motor, 2 pumps, 8 mine cars, cut-off saw, and compressor.

3. No equipment was purchased or charged to the project. Consequently, no documentary support of charges are necessary because such support for other charges has been waived.

4. The Operator's Narrative Report is considered adequate.

5. The Operator's cost statements should be accepted as correct, pending on-site audits.

T. M. Romslo, Mining Engineer
Arizona-New Mexico Branch
Mining Division, Region IV

October 11th, 1952

Defense Minerals Administration
224 New Customhouse Building
Denver 2, Colorado

Re:-DMA Contract #I-DMA-E-32, Pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of September 1952 and the following is a list of amounts completed during the month:-

1. The water level was held at a point 745' from the collar of the inclined shaft, while cleanup work was continued on the 500 and 600 levels.

2. 330 feet of drifts and crosscuts on the 500 level were cleaned out during the month. Of this total 35 feet had to be timbered.

3. 470 feet of drifts and crosscuts on the 600 level were cleaned out during the month. Of this total 42 feet had to be timbered, part of this was spiled. Bad air was encountered in the 600 West drift so we had to blow compressed air in this section.

4. Platform and guards were installed at the 500 level entrance to the 600 east raise.

5. The 636 cfm Gardner Denver Compressor installation was completed. 500 feet of 250 MCM R. C. Cable and 327' of 4/0 R. C. Cable which is 100% owned by Banner Mining Company was used on this installation at no cost to the project or the government.

6. A chute set and a chute were installed in the 600 west raise. This raise is full of badly ground-up limestone and is saturated with water. It reminds me of mixed plaster and is extremely difficult to handle. About 190 tons of this material were pulled from this raise this month.

7. Surveying, mapping and sampling were continued during the month on the 300, 500 and 600 levels. The surveying, mapping and sampling completed on the 300 level was done at no cost to the project or the government. Maps showing assays and location of samples taken, geology and the progress for September are attached hereto covering the 500 and 600 levels. Sampling on these two levels will be completed in October.

3. We commenced diamond core drilling on the 300 level on September 27th with a small drill that takes a 3/4" core. This work is being done under contract to a Mr. Glen Thatcher at no cost to the project or the government. However the compressed air for this drill and for blowing on the west 600 level was furnished by a 25 H P Gardner Denver Compressor which Banner Mining Company is renting from Mine Supply Company of Silver City, New Mexico. This rental is being paid by Banner Mining Company and has not been charged to the project. However the power consumed had to be reckoned with. We have estimated the total horsepower hours used during the month on the whole project. We then calculated the horsepower hours consumed by the 25 H P compressor and also the horsepower hours consumed for the purpose of running the diamond drill during the three days it operated during the month. Then the resulting fraction of horsepower hours consumed by the diamond drill divided by the total horsepower hours times the power bill gave us cost of power consumed by the drill during the three days it was in use. This came to $3.15, and this amount was deducted from the power bill of the project.

Attention is called to the changing methods of accounting under your form MF-104 and MF-104A. Originally we set up our books to conform with information requested in the original of these two forms. These forms have been changed twice since the start of our project. This last change has compelled us to go over many of our accounts back to the beginning of the project and to break them down into different classifications than were originally called for.

The writer was away from the project for four days during the month attending the American Mining Congress Convention in Denver Colorado.

This letter is intended as a narrative report on progress made at the Mineral Hill Mine during September 1952. Respectfully submitted.

Yours very truly,

Banner Mining Company

A. B. Bowman
Manager

ABB:ecb

COPY

A F F I D A V I T

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

W. H. HARDY, of lawful age, being duly sworn, deposes and says:

THAT he is the Secretary and Treasurer of the Banner Mining Company, a Nevada Corporation, and that he has been serving in that capacity for fifteen (15) years; that he is personally acquainted with the books and records of said Company and supervises the bookkeeping department of said Company; that he knows of his own personal knowledge that all bills of the Banner Mining Company for work done and materials purchased to and inclusive of September 30th, 1952, under D. M. A. Contract Number I-DMA-32, D. M. A. Docket 269-K-A pertaining to the Mineral Hill Property South of Tucson, Arizona, are fully paid.

FURTHER Affiant sayeth not.

DATED THIS 16th day of October, 1952.

W. H. Hardy

W. H. Hardy

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

Before me, the undersigned, a Notary Public in and for said County and State on this 16th day of October, 1952, personally appeared W. H. Hardy to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.

Dorothy Williams

Dorothy Williams, Notary Public

My commission Expires:
August 18th, 1955

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 41-R036.3.
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
NOV 21 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September 1952 Docket No. DMEA 269-X-A Contract No. I-DM-E-32
Operator's Name Banner Mining Company Minerals Copper
Address 2042 Conner Stravenue, Tucson, Arizona
Contract Amount, $126,789.00 Government Participation: 50 % Amount, $63,394.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	5,334.90	41,670.16	47,005.06			
Supervision	929.83	6,238.23	7,168.06			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	220.02	3,976.22	4,196.24			
Explosives		72.03	72.03			
Pipe	334.52	18.60	353.12			
Track	266.98	486.00	752.98			
Other Supplies	594.25	10,268.53	10,862.78			
Power	492.03	12,982.44	13,474.47			
(4) Operating Equipment:						
Rental						
Purchase		2,165.25	2,165.25			
Depreciation	234.47	1,462.05	1,696.52			
(5) Initial Rehabilitation and Repairs		762.81	762.81			
(6) New Bldgs., Improvements, etc.		9,246.33	9,246.33			
(7) Miscellaneous:						
Repairs to Equipment	184.51	82.24	266.75			
Sampling and Analysis		242.75	242.75			
Payroll Taxes	219.26	1,665.38	1,884.64			
Liability Insurance	554.64	4,790.83	5,345.47			
Transportation	44.35	817.67	862.02			
(8) Contingencies (specify):						
				9,409.76	96,947.52	106,357.28
					217.24	217.24
TOTALS	9,409.76	96,947.52	106,357.28	9,409.76	96,730.28	106,140.04

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

Date 10-11-52 *Payee Banner Mining Company

Per A. L. Bowman Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$4704.88

Signature
(Authorized Certifying Officer)

Date 11/13/52 Voucher No. DMA 53-60
(See other side)

* Previous Disallowance

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IL-DMA-E32 in accordance with the terms of the contract.

Signature T.M. Pomeroy WRK Title Mining Engineer Date Oct 15, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W.R. King Title Executive Officer Date 10/21/52

MONTHLY REPORT OF OPERATOR

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

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

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

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September 1952 Docket No. DMEA 269-X-A Contract No. I-DM-E-32
Operator's Name Banner Mining Company Minerals Copper
Address 2042 Conner Stravenue, Tucson, Arizona

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground Rehabilitation		9,409.76		94,182.89				
TOTAL DISTRIBUTED COSTS		9,409.76		94,182.89				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				2,165.25				
Initial Rehabilitation and Repairs				762.81				
New Buildings, Improvements, etc.				9,246.33				
TOTAL COSTS		9,409.76		106,357.23				

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

Date 10-11-52 Operator Banner Mining Company

Per A. L. Bowman Title Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

Delay due to the fact that Contractor Administrator, Division Auditor took these vouchers to Tucson to make an audit.

INSTRUCTIONS

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

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

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

GPO 83-38475

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

224 New Customhouse
Denver 2, Colorado

October 3, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 269X-A, Contract I-DMA-E32, (Copper) Banner Mining Company, Mineral Hill Project, Pima County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report MF-104 and MF-104A, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the month of August, 1952, pertaining to DMA Docket 269X-A, Contract I-DMA-E32, Banner Mining Company, Mineral Hill Project.

W. H. King

W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 8 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

September 25, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 269X-A, Contract I-DMA-832 (Copper), Banner Mining Company, Mineral Hill Project, Pima County, Arizona - Operator's Monthly Progress Report, for the period of August, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $4,842.02, which is 50 percent of the total of $9,684.04.

Documentation has been waived on this contract and this report is passed pending an on-site audit.

The operator will be informed to make appropriate changes in his September Monthly Progress Report so as to distribute costs to items (5) and (6) on Form MF-104, and incorporate correct changes on Form MF-104A.

W. H. King
W. H. King

Enclosures

WLD:ce
cc: Contract
Secretary to the Operating Committee (2)
WRStorms
Chren.
Koschmann (2)

Mining Division
Date Rec'd

SEP 19 1952

BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

September 16, 1952

Memorandum

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

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : August 1952 Progress Report, DMA Docket 269XA, Contract I-DMA-B32, Banner mIning Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quintuplicate are the following items for the above report:

(1) Bureau of Mines engineer's report;

(2) Operator's Narrative report;

(3) Forms MF-104 and 104A, with maps.

Also enclosed are two extra copies of our engineer's report.

As all work conforms to the contract, I recommend that the Government share of 50 percent of the costs be paid.

Documentation has been waived for this project.

Walter R. Storms

Walter R. Storms, Chief
Arizona-New Mexico Branch
Mining Division, Region IV

CC W. H. King (6)
DMA-269XA
DF

WRStorms:frj

MINING DIVISION
REGION IV

September 16, 1952

Memorandum

To : Walter R. Storms, Chief, Arizona-New Mexico Dr., Mining Division, Region IV, Tucson, Ariz.

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

Subject : Progress Report for August 1952, Danner Mining Co., Mineral Hill Copper Mine, Pima County, Ariz., DMA Docket 269X-A, Contract I-DMA-E32.

The writer visited the Mineral Hill Copper Mine, September 8, 1952 to check progress for August on the exploratory project of subject contract. Cost accounts were reviewed and an inventory was taken of supplies used, before inspecting the project workings in the company of Allen Bowman, superintendent of the property.

The inspection trip indicated that rehabilitation of mine workings during August, was confined to the 500- and 600-foot levels. On the 500 level, clean-up work in drifts and crosscuts advanced 236 feet of which 22 feet was caught-up with new timbers. Old timbers encountered in the clean-up work were repaired, where necessary. On the 600 level, drifts and crosscuts were cleaned out for a total of 347.5 feet of which 45 feet had to be timbered. Work in a raise on the east side of the 600 level consisted of 50 feet of clean-up, and the installation of ladders to the 500 level.

Mr. Bowman reported that electrical storms during August caused two power failures of 6½-and 7-hour duration. On each occasion, water rose to afew feet above the 600 level and a day's work was lost on that level. The water level is normally maintained at about 15 feet below the 600 level.

Surveying, mapping, and sampling of the 300-, 500, and 600 levels continued during the month with only the work on the latter 2 levels being charged to the project. Progress for August is shown on attached geologic and sample maps.

CC W. H. King (orig. & 6)
DMA-269XA
DF

TMRomslo:frj

Surface work under the contract consisted of the installation for the compressor of 2 Square D-600A., 600V., safety switches, an Allen Bradley-125 H.P., Reduced Voltage Starter, and 85 feet of 500 MCM, R. C. electric cable from the sub-station to the switch house. The switches and cable are owned 100 percent by the Banner Mining Company and will be used at no cost to the project or the Government.

Surface work at no cost to the Government consisted of the construction of a 12-foot by 20-foot wood frame building for the compressor and new bins in the warehouse building.

A Gemco Rail punch,for use on the project, was purchased by the Banner Mining Company at no cost to the Government.

The inspection of the project and the Operator's reports indicate the following:

1. The work performed and for which claim is made is in conformance with the contract and is as reported on Form MF-104.

2. The supply and service charges were necessary and do not appear to be excessive. The charge for depreciation of $30.50 over that of July is accounted for by the addition of 2 mine cars and the use of the truck for 14 hours.

3. No equipment was purchased nor charged for during the month. Consequently, no documentary support of charges are necessary because documentation of other charges have been waived for the project.

4. The OPerator's Narrative Report is considered adequate.

The writer recommends that the Operator's Report be accepted as correct pending on-site audits.

T. M. Romslo

T. M. Romslo, Mining Engineer
Arizona-New Mexico Branch
Mining Division, Region IV

September 8th, 1952

Defense Minerals Administration
224 New Customhouse Building
Denver 2, Colorado.

Re:- DMA Contract # I-DMA-E-32, Pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of August 1952 and the following is a list of amounts completed during the month:-

1. The water level was held at a point 745' from the collar measured down the incline shaft, while cleanup work was continued on the 500 and 600 levels. The power was off twice during the month due to electrical storms. One time for 6½ hours and the other time for 7½ hours. This delayed our work on the 600 level for two full days as the water prevented us from working there.

2. 347.5 feet of drifts and crosscuts on the 600 level were cleaned out during the month. Of this total 45 feet had to be timbered.

3. 256 feet of drifts and crosscuts on the 500 level were cleaned out during the month. Of this total 22 feet was partially timbered. Some of the old timbers were still standing and we repaired and added to them.

4. 50 feet of raise on the east side of the 600 level was completed. This finishes the work in the raise to the 500 level with the exception of a platform and guards at the 500 level. Ladders were installed throughout.

5. Work was continued on the installation of the 686 cfm Gardner Denver Compressor when men could be spared for this work. The installation still lacks the power lines from the sub station to the starting switches.

Two Square D 600 Amp 600 volt safety switches and one Allen Bradley 125 H. P. Reduced Voltage Starter were installed at the compressor. 85 feet of 500 MCM R. C. Electric Cable was installed in the compressor electric line between the substation and the switch house.

These switches and electric cable are owned 100% by Banner Mining Company and are a part of the compressor installation. They are being used at no cost to the project or the government.

A small 12' X 20' wood frame building was completed to house this compressor at no cost to the project or the government.

6. New bin space in the warehouse building were completed during the month for the storage of supplies. This work was done by contract to a Mr. J. N. Crain at no cost to the project or the government.

7. Surveying, mapping and sampling was continued during the month on the 300, 500 and 600 levels. The surveying, mapping and sampling completed on the 300 level was done at no cost to the project or the government. Maps showing assays of samples taken, geology and progress for August are attached hereto covering the 500 and 600 levels.

One Gemco Rail Punch was purchased for use on this project. It is 100% owned by the Banner Mining Company and is being used at no cost to the project or the government.

This letter is intended as a narrative report on progress made at the Mineral Hill Mine during August 1952. Respectfully submitted.

Yours very truly,

Banner Mining Company

A. B. Bowman

Manager

ABB:ecb

COPY

MF-104 (Rev.)
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1952 Docket No. DMEA 269-X-A Contract No. IDM-E-32
Operator's Name Banner Mining Company Minerals Copper
Address 2042 Conner Stravenue, Tucson, Arizona
Contract Amount, $ 126,789.00 Government Participation: 50 % Amount, $ 63,394.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	5,934.10	38,711.61	44,645.71			
Supervision	841.83	6,934.28	7,776.11			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	521.23	3,701.15	4,222.38			
Explosives	2.65	69.38	72.03			
Pipe	15.67	2.93	18.60			
Track	156.26	329.74	486.00			
Other Supplies	385.30	11,399.77	11,785.07			
Power	521.05	12,461.39	12,982.44			
(4) Operating Equipment:						
Rental						
Purchase		2,165.25	2,165.25			
Depreciation	258.31	1,278.51	1,536.82			
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		3,049.41	3,049.41			
(7) Miscellaneous:						
Repairs to Equipment	82.24		82.24			
Sampling and Analysis	20.00	222.75	242.75			
Payroll Taxes	237.16	1,585.71	1,822.87			
Liability Insurance	677.59	4,564.58	5,242.17			
Transportation	30.65	787.02	817.67			
(8) Contingencies (specify):						
TOTALS	9,684.04	87,263.48	96,947.52	9,684.04	87,263.48	96,947.52
					* - 217.24	217.24
				9,684.04	87,046.24	96,730.28

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 9-8-52 *Payee Banner Mining Company
Per A. S. Bowman Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$ 48420.2

Signature [illegible]
(Authorized Certifying Officer)

Date 10/1/52 Vou. No. DMA 53-40
(See other side)

* Previous Deductions

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. I-DMA-E32 in accordance with the terms of the contract.

Signature M M Pomeroy WRA Title Mining Engineer Date 9/15/52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: $4842.02

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 1952 Docket No. DMEA 269-X-A Contract No. IDM-E-32
Operator's Name Banner Mining Company Minerals Copper
Address 2042 Conner Stravenue, Tucson, Arizona

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs		9,684.04		96,947.52				
New Buildings, Improvements, etc.								
TOTAL COSTS		9,684.04		96,947.52				

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

Date 9-8-52 Operator Banner Mining Company

Per G. S. Bowman Title Manager

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

A F F I D A V I T

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

W. H. HARDY, of lawful age, being duly sworn, deposes and says:

THAT he is the Secretary and Treasurer of the Banner Mining Company, a Nevada Corporation, and that he has been serving in that capacity for fifteen (15) years; that he is personally acquainted with the books and records of said Company and supervises the bookkeeping department of said Company; that he knows of his own personal knowledge that all bills of the Banner Mining Company for work done and materials purchased to and inclusive of August 31st, 1952, under D. M. A. Contract Number I-DMA-32, D. M. A. Docket 269-K-A pertaining to the Mineral Hill Property South of Tucson, Arizona, are fully paid.

FURTHER Affiant sayeth not.

DATED THIS 16th day of September, 1952.

W. H. Hardy
W. H. Hardy

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

Before me, the undersigned, a Notary Public in and for said County and State on this 16th day of September, 1952, personally appeared W. H. Hardy to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.

Dorothy Williams
Dorothy Williams, Notary Public

My commission Expires:
August 18th, 1955

LARGE FORMAT DOCUMENTS AT END OF FILE

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

224 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
SEP 15 1952

September 10, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 269X-A, Contract I-DMA-E32 (Copper) Banner Mining Company, Mineral Hill Project, Pima County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of July, 1952, pertaining to DMA Docket 269X-A, Contract I-DMA-E32, Banner Mining Company.

W. H. King
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

August 21, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 269X-A, Contract I-DMA-E32 (Copper), Banner Mining Company, Mineral Hill Project, Pima County, Arizona - Operator's Monthly Progress Report, for the period July, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $4,903.24, which is 50 percent of the total of $9,806.48.

Documentation has been waived; therefore we are passing this report pending on-site audits.

for W. H. King

Enclosures

WLD:fwe

cc: Sec. Oper. Comm. (2)
Storms
Contract
Koschmann (2)
Chron

MINING DIVISION
REGION IV

August 13, 1952

Memorandum

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

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : July 1952 Progress Report, DMA Docket 269XA, Contract I-DMA-B32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quintuplicate are the following items for the above report:

(1) Bureau of Mines engineer's report;
(2) Operator's narrative report;
(3) Forms MF-104 and 104A with payroll.

Also included are two extra copies of our engineer's report.

Documentation has been waived for this project, so invoices, etc., are not enclosed. Payrolls are enclosed. With the exception of too many helpers, as explained in the Bureau of Mines engineer's report, these accounts conform to the contract. I recommend that the Government's share of 50 percent be paid after the excess helpers wages have been deducted from the payroll.

Walter R. Storms

Walter R. Storms, Chief
Arizona-New Mexico Branch
Mining Division, Region IV

CC W. H. King (6)
DMA-269XA
DF

WRStorms:frj

MINING DIVISION
REGION IV

August 13, 1952

Memorandum

To : Walter R. Storms, Chief, Arizona-New Mexico Br., Mining Div., Region IV, Tucson, Ariz.

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

Subject : Monthly Progress Report for July 1952, Danner Mining Co., Mineral Hill Copper Project, Pima County, Ariz. Docket No. 269X-A, Contract I-DMA-B32.

Progress on the subject project was checked August 7, 1952. Cost records were reviewed and an inventory was taken of supplies used during the month, before inspecting the mine workings of the project in the company of Allen Bowman, superintendent of the operations.

The inspection of places worked during July shows that all work continues to be done in an efficient and workman-like manner. Furthermore, it is evident that all phases of the project are competently supervised. A visit to the spiling operation, mentioned in item 2 of the Operator's Narrative report, indicates that drifting around the caved section may be advisable. An amendment to the contract for such drifting will be requested, if necessary.

The Operator's Narrative Report, Forms MF-104 and 104A and payrolls were received August 11. The operator will be informed that payrolls are not necessary for future monthly reports because the Executive Officer's letter of July 28 authorizes him to eliminate such documentary support to Form MF-104. In fact, the payroll for July is unnecessary but has been included because it contains a possible excessive charge that is explained in item 3 of the following conclusions.

CONCLUSIONS

1. The inspection of Mineral Hill property showed that the work performed, for which claim is made, is in conformance with the contract and is as reported on Form MF-104A.

2. The supply and service charges of MF-104 were necessary and do not appear to be excessive. The break down of the charge for rental of operating equipment is as follows:

CC W. H. King (Orig. & 6)
DMA-269XA
DF

TMRomslo:frj

Truck, 3 hrs. @ $2.00	$6.00
1 - Hoist	41.66
1 - Compressor	131.16
2 - Pumps	41.66
6 - Mine cars	7.50
1 - Cut-off saw	5.83
Total	$233.81

3. The payrolls contain the names of 16 men who have worked full or part time as helpers. This makes the number of helper shifts charged to the project in excess of the shifts of full time employment of the contract's 5 allowable helpers. The excess charges for labor and taxes on this item should be deducted by the Denver office.

The Operator's Narrative Report is considered adequate.

T M Romslo

T. M. Romslo, Mining Engineer
Arizona-New Mexico Branch
Mining Division, Region IV

August 8th, 1952

Defense Minerals Administration
224 New Customhouse Building
Denver 2, Colorado

Re:- DMA Contract # I-DMA-E-32, Pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of July 1952 and the following is a list of amounts completed during the month:-

1. The water level was held at a point 745' from the collar measured down the incline shaft, while cleanup work was continued on the 600 level.

2. 578' of drifts and crosscuts on the 600 level were cleaned out during the month. aA 25' section of this total had to be timbered. A badly caved section on the 600 wset contact drift has been encountered and is requiring spiling. This section is in badly broken up limestone. To make matters worse, a considerable flow of water is coming in at this point. In this drift the back is falling out for 25 feet above the drift.

3. 80 feet of the raise on the east side of the 600 level has been cleaned out. A chute was installed to handle the muck as the raise was full of debris almost to the 500 level. The wet muck would not slide down so it was necessary to handle it a number of times.

4. Work was continued on the sampling of the 500 and 600 levels. All the 500 and 600 levels which are accessible at this time have been mapped. Geological and assay maps are being prepared of both the 500 and 600 levels. Assays taken to date on the 600 level of the ore thus far opened average 2.80% copper. Assays taken on the ore opened so far on the 500 level average 3.12% copper. Approximately 100 cut samples have been taken so far.

Based on available information gathered to date covering the portion of the Mineral Hill Mine that is now accessable, we estimate that approximately 90,000 tons of reserve ore averaging 2.89% copper are indicated. Between the 600 and the 300 levels this ore has not been blocked out on three sides and for this reason our estimate is not conclusive and is subject to revision as more information becomes available.

5. A foundation was poured for the 686CFM Gardner Denver Compressor and it was INSTALLED on same.

6. A small wood frame, galvanized iron clad building is being constructed to house the above compressor at no cost to the government or the project.

This letter is intended as a narrative report showing progress and work accomplished during the month.

Yours very truly,

Banner Mining Company

A. L. Lorman

Manager

KBB:ecb

COPY

Form MF-104 (Rev.)
(April 1952)
#1

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1038.3.
Approval expires 6-30-53.
Defense Minerals Administration
RECEIVED
SEP 15 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1952 Docket No. DMEA 269-X-A Contract No. IDM-E-32
Operator's Name Banner Mining Company Minerals Copper
Address 2042 Connor Stravenue- Tucson, Arizona
Contract Amount, $ 126,789.00 Government Participation: 50 % Amount, $ 63,394.50

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent / Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	6,091.74	32,619.87	38,711.61			
Supervision	841.83	6,092.45	6,934.28			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	280.28	3,420.87	3,701.15			
Explosives		69.38	69.38			
Pipe	2.93		2.93			
Track	329.74		329.74			
Other Supplies	403.26	10,996.51	11,392.77			
Power	498.33	11,963.06	12,461.39			
(4) Operating Equipment:						
Rental	233.81	1,044.70	1,278.51			
Purchase		2,165.25	2,165.25			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.		3,049.41	3,049.41			
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	105.00	117.75	222.75			
Payroll Taxes	242.67	1,343.04	1,585.71			
Liability Insurance	693.36	3,871.22	4,564.58			
Transportation	83.53	703.49	787.02			
(8) Contingencies (specify):						
TOTALS	9,806.48	77,457.00	87,263.48	9,806.48	~~77,457.00~~ -217.24 77,239.76	~~87,263.48~~ -217.24 87,046.24

I certify that the above bill is correct and just and that payment therefor has not been received.
Date 8-7-52 *Payee Banner Mining Company
Per A. L. Bowman Title Manager

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

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

(Instructions on reverse)

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

$4903.24

Signature [illegible]
(Authorized Certifying Officer)

Date 9/8/52 Vou. No. DMA 53-31
(See other side)

* Previous Disallowances

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. IDM-E32 in accordance with the terms of the contract.

Signature M Romslo WRS Title Mining Engineer Date Aug 13, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: 4903.23

Signature ..... Title ..... Date .....

MONTHLY REPORT OF OPERATOR

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

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

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

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

#1

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 15 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1952 Docket No. DMEA 269-X-A Contract No. IDM-E-32

Operator's Name Banner Mining Company Minerals Copper

Address 2042 Conner Stravenue- Tucson, Arizona

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting								
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs		9,806.48		87,263.48				
New Buildings, Improvements, etc.								
TOTAL COSTS		9,806.48		87,263.48				

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

Date 8-7-52 Operator Banner Mining Company

Per A. L. Lowman Title Manager

REMARKS:

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

#1

Banner Mining Company

Mineral Hill D M A Project

July, 1952

EMPLOYEE	JOB CLASSIFICATION	RATE
William Sanders	Helper	$ 1.525
Valente M. Leal	Shaftman & Helper	1.80 & 1.525
Phillip F. Stevens Jr.	Semi Skilled Mechanic	1.695
Donasino Manquero	Helper & Miner	1.525 & 1.695
Juan C. Martinez	Hoistman	1.695
Leodoro Leal	Hoistman	1.695
Jose P. Campuzano	Miner	1.695
Jesse P. Bozarth	Shaftman	1.80
Manuel R. Campuzano	Helper	1.525
Robert C. Aguilar	Hoistman	1.695
J. P. Ramirez	Electrician	2.00
H. M. Hodgers	Electrician	2.00
Benito M. Comacho	Helper	1.525
Duane W. Sprague	Mechanic	1.76
Arthur P. Hernandez	Helper	1.525
Edgar Potts	Watchman	[redacted] .75
James H. Stevens	Helper	1.525
Manuel G. Paz	Helper	1.525
Joe Y. Coronado	Hoistman	1.695
Samuel V. Rosthenhausler	Helper & Miner	1.525 & 1.695
Glen L. Larsen	Helper	1.525
Alejandro C. Figueroa	Helper	1.525
Joseph Brown Jr.	Miner	1.695
Pedro Casillas	Helper	1.525
Harold L. Stevens	Helper	1.525
Kent E. Nelson	Helper	1.525
Francisco B. Gomez	Helper	1.525
Frank Y. Coronado	Helper	1.525

Notes:- The hours circled in red on the payrolls denotes evening shift. The rate is four cents per hour more than the dayshift rate.

The hours circled in blue on the payrolls denotes graveyard shift. The rate is eight cents per hour more than the dayshift rate.

Seven of these men worked on both the Mineral Hill Project and the Twin Buttes Project. These men were shifted from one project to the other according to the particular daily needs of each property.

COPY

AFFIDAVIT

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

W. H. HARDY, of lawful age, being duly sworn, deposes and says:

THAT he is the Secretary and Treasurer of the Banner Mining Company, a Nevada Corporation, and that he has been serving in that capacity for fifteen (15) years; that he is personally acquainted with the books and records of said Company and supervises the bookkeeping department of said Company; that he knows of his own personal knowledge that all bills of the Banner Mining Company for work done and materials purchased to and inclusive of July 31st, 1952, under D. M. A. Contract Number I-DMA-32, D. M. A. Docket 269-K-A pertaining to the Mineral Hill Property South of Tucson, Arizona, are fully paid.

FURTHER Affiant sayeth not.

DATED THIS 16th day of August, 1952.

W. H. Hardy

W. H. Hardy

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

Before me, the undersigned, a Notary Public in and for said County and State on this 16th day of August, 1952, personally appeared W. H. Hardy to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.

Dorothy Williams

Dorothy Williams, Notary Public

My commission Expires:
August 18th, 1955.

#1

BANNER MINING COMPANY

TIME BOOK AND PAYROLL

CERTIFIED TRUE COPY
A. L. Bowman
MANAGER

LOCATION Tucson, Arizona DEPT. Mineral Hill D H A Project
PERIOD COVERED: FROM 7-1-52 TO 7-12-52 Inclusive

PAGE NO. _____
VOU. NO. _____

SEMCO 1-47—3000 BANNER--FORM 100

No.	NAME		1 2 3 4 5	6 7 8 9 10 11 12	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT					TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
2	William Sandere	Overtime—	8 8 8 x x	8 8 8 8 8 12	76	1.565		118.94		1.78										1.78	117.16		
5	Valente Marques Leal	Overtime—	8 8 8 x 12	8 8 8 8 8 12 12	100	1.80		180.00		2.70										2.70	177.30		
6	Phillip F. Stevens Jr.	Overtime—	8 x x	8 8 3/4	24 3/4	1.695		41.95		.63										.63	41.32		
7	Donasino Manquero	Overtime—	8 8 8 x x	8 8 8 8 8 12	76	1.525		115.90		1.74										1.74	114.16		
8	Juan Collaso Martinez	Overtime—	8 8 8 12 12	8 8 8 8 8 12 x	12 100	1.695 1.775		197.84		2.97										2.97	194.87		
10	Loedoro Leal	Overtime—	8 8 8 12 12	8 8 8 12 8 8 12 12 12 12 12	12 16 112	1.775 1.695 1.735		296.98		4.45										4.45	292.53		
11	Jose Procisdo Campusano	Overtime—	8 8 8 12 12	8 8 8 8 8 12 12	12 112	1.695 1.775		219.14		3.14										3.14	216.00		
12	Jesse Paul Bosarth	Overtime—	8 8 8 12 12	8 8 8 8 8 x 12	100	1.84		184.00		2.76										2.76	181.24		
13	Manuel Ruelas Campusano	Overtime—	8 8 x x x	8 8 8 8 8 12	68	1.565		106.42		1.60										1.60	104.82		
14	Robert C. Aguilar	Overtime—	8 8 12		28	1.695		47.46		.71										.71	46.75		
16	J. P. Ramires	Overtime—		4½	4½	2.00		9.00		.14										.14	8.86		
17	H. D. Hodgers	Overtime—		4½	4½	2.00		9.00		.14										.14	8.86		
19	Benito Martinez Comacho	Overtime—	8 8 x x x	8 8 8 8 8 12	68	1.525		103.70		1.56										1.56	102.14		
20	Dunne W. Sprague	Overtime—	8 8 8 x x	8 5 8½ 8 8¼ 12	73 3/4	1.76		129.80		1.95										1.95	127.85		
23	Arthur Peres Hernandez	Overtime—	8 8 8 x x	8 8 8 8 8 12	76	1.565		118.94		1.78										1.78	117.16		
26	Edgar Potts	Overtime—	8 8 8 12 12	8 8 8 8 8 12 12	112	.75		84.00		1.26										1.26	82.74		
27	James Hunt Stevens	Overtime—	8 x x	8 8 8 8 12	52	1.525		79.30		1.16										1.16	78.14		
29	Manuel Garcia Pas	Overtime—	8 8 8		24	1.525		36.60		.55										.55	36.05		
29	Joe Y. Coronado	Overtime—		8 8 8 8 8	8 32	1.735 1.695		68.12		1.02										1.02	67.10		
14	Samuel V. Rosthenhausler	Overtime—		8 8 8	24	1.525		36.60		.55										.55	36.05		
		Overtime—						2,183.69		32.59										32.59	2,151.10		
		Overtime—																					
		Overtime—																					
		Overtime—																					

/1

LOCATION Tucson, Arizona DEPT. Mineral Hill D H A Project

PERIOD COVERED: FROM 7-13-52 TO 7-26-52 Inclusive

BANNER MINING COMPANY

TIME BOOK AND PAYROLL

CERTIFIED TRUE COPY
A. L. Bowman
MANAGER

PAGE NO. _____
VOU. NO. _____

SEMCO 6-1-52—3000

BANNER—FORM 100

No.	NAME		13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE. UN-INS.	F.O.A.B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT	W.H. TAX				TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
																	4	1.775																	
													(6)				6	1.735																	
6	Phillip F. Stevens Jr.	Overtime—			6	8					6	(4)	8	9	12	12	61	1.695		120.91		1.81						20.50				22.31	98.60		
7	Donasino Manquero	Overtime—		(8)	(8)	(8)	(8)	(8)	(12)		(8)	(8)	(8)	(8)	(8)	(12)	104	1.565		162.76		2.44						17.00				19.44	143.32		
8	Juan Collaso Martinez	Overtime—	(8)	(8)	(8)	(8)	(8)	(12)	(12)	(8)	(8)	(8)	(8)	(8)	(12)	(12)	128	1.775		227.20		3.41						24.50				27.91	199.29		
10	Leodoro Leal	Overtime—		(8)	(8)	(8)	(8)	(8)	(12)	(8)	(8)	(8)	(8)	(8)	(12)	x	104	1.735		180.44		2.71						15.10				17.81	162.63		
11	Jose Preciado Campusano	Overtime—	(8)	(8)	(8)	(8)	(8)	(12)	(12)	(8)	(8)	(8)	(8)	(8)	(12)	(12)	128	1.775		227.20		3.41				Rule	.75	29.60				33.76	193.44		
12	Jesse Paul Bozarth	Overtime—	8	8	8	8	8	12	12	8	8	8	x	8	8	12	116	1.80		208.80		3.13						35.90				39.03	169.77		
					(8)												8	1.565																	
13	Manuel Rualas Campusano	Overtime—		8	8	8	8	12	12		x	x	x	7	8	8	79	1.525		133.00		2.00						11.40				13.40	119.60		
14	Samuel V. Rosthenhusaler	Overtime—	(8)	x	x	x	x	x	x		x	x	x	(8)	(8)	(8)	32	1.565		50.08		.75										.75	49.33		
16	J. P. Ramirez	Overtime—					4				5			5			14	2.00		28.00		.42										.42	27.58		
17	H. E. Hodgers	Overtime—					4				5			5			14	2.00		28.00		.42										.42	27.58		
													(4)				4	1.80																	
20	Duane W. Sprague	Overtime—		9	8	8	8	10	12				8	8	10	12	93	1.76		170.88		2.56						3.70				6.26	164.62		
23	Arthur Peres Hernandez	Overtime—		8	8	8	8	8	12		8	8	x	x	8	TB	76	1.525		115.90		1.74						7.60				9.34	106.56		
26	Edgar Potts	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	12	12	128	.75		96.00		1.44						8.70				10.14	85.86		
27	James Hunt Stevens	Overtime—		8	8	8	8	x	8		8	8	8	8	8	12	92	1.525		140.30		2.10						22.50				24.60	115.70		
			(8)													(12)	20	1.735																	
29	Joe Y. Coronado	Overtime—	8	8	8	8	12	12	12	8	8	8	x	8	8	12	120	1.695		238.10		3.57						31.60				35.17	202.93		
31	Alejandro C. Figueroa	Overtime—				(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(12)	(12)	96	1.565		150.24		2.25						4.40				6.65	143.59		
32	Joseph Brown Jr.	Overtime—				(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(12)	(12)	96	1.735		166.56		2.50				Belt	2.25	12.70				17.45	149.11		
33	Pedro Casillas	Overtime—				(8)	(8)	(8)	(8)	TB	(8)	(8)	(8)	(12)	(12)	(12)	92	1.565		143.98		2.16						18.60				20.76	123.22		
													(3)				3	1.565																	
34	Harold Lincoln Stevens	Overtime—					8	8	8		TB	8	8	8	9½	12	69½	1.525		110.69		1.66				Shoes	8.50	3.90				14.06	96.63		
19	Kent Elden Nelson	Overtime—							(8)		(8)	(8)	(8)	(8)	(8)	(12)	60	1.565		93.90		1.41						13.50				14.91	78.99		
5	Francisco Barajas Gomez	Overtime—												8	8	8	24	1.525		36.60		.55										.55	36.05		
		Overtime—																		2,829.54		42.44					11.50	281.20				335.14	2,494.40		
		Overtime—																																	
		Overtime—																																	

61

BANNER MINING COMPANY

TIME BOOK AND PAYROLL

CERTIFIED TRUE COPY
G. P. Sommer
MANAGER

LOCATION Tucson, Arizona DEPT. Mineral Hill D M A Project

PERIOD COVERED: FROM 7-13-52 TO 7-26-52 Inclusive

PAGE NO. 2

VOU. NO.

SEMCO 6-1-52—3000 BANNER—FORM 100

No.	NAME		13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F.O.A.B.	HOSPITALIZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT	W.H. TAX	TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
						8											8	1.565														
2	William Sanders	Overtime—	8	8	0	8	12	12	12								68	1.525		116.22		1.74						8.00		9.74	106.48	7	PAID
5	Glen Lloyd Larsen	Overtime—					0	8									16	1.565		25.04		.38								.38	24.66	6	PAID
19	Donito Martinez Comacho	Overtime—	8														8	1.565		12.52		.19								.19	12.33	5	PAID
		Overtime—																		153.78		2.31						8.00		10.31	143.47		
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														
		Overtime—																														

61

LOCATION Tucson, Arizona DEPT. Mineral Hill D M A Project

PERIOD COVERED: FROM 7-27-52 TO 7-31-52 Inclusive

BANNER MINING COMPANY

TIME BOOK AND PAYROLL

CERTIFIED TRUE COPY

MANAGER

PAGE NO. _____

VOU. NO. _____

SEMCO 61-92—3000

BANNER—FORM 100

No.	NAME		27	28	29	30	31	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F.O.A.B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT	W.H. TAX	TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
5	Francisco Barajas Gomez	Overtime—		8				8	1.565		12.52		.19							.19	12.33		
6	Phillip F. Stevens Jr.	Overtime—					10	10	1.695		16.95		.25							.25	16.70		
7	Donasino Hanquero	Overtime—		8	8	8	8	32	1.695		54.24		.81							.81	53.43		
8	Juan Collaso Martinez	Overtime—	8	8	8	8	8	40	1.775		71.00		1.07							1.07	69.93		
10	Leodoro Leal	Overtime—		8	8	8	8	32	1.735		55.52		.83							.83	54.69		
11	Jose Preciado Campusano	Overtime—	8	8	8	8	8	40	1.775		71.00		1.07							1.07	69.93		
12	Jesse Paul Bozarth	Overtime—	8	8	8	8	8	40	1.84		73.60		1.10							1.10	72.50		
13	Manuel Ruelas Campusano	Overtime—	8	8	8	8	8	40	1.565		62.60		.94							.94	61.66		
14	Samuel V. Rosthenhausler	Overtime—		8	TB	8	8	24	1.735		41.64		.62							.62	41.02		
16	J. P. Ramires	Overtime—				3½		3½	2.00		7.00		.11							.11	6.89		
17	H. M. Hodgers	Overtime—				3½		3½	2.00		7.00		.11							.11	6.89		
19	Kent Elden Nelson	Overtime—		8	8	8	8	32	1.565		50.08		.75							.75	49.33		
20	Duane W. Sprague	Overtime—				8	10	18	1.76		31.68		.48							.48	31.20		
26	Edgar Potts	Overtime—	8	8	8	8	8	40	.75		30.00		.45							.45	29.55		
27	James Hunt Stevens	Overtime—		4			4	8	1.525		12.20		.18							.18	12.02		
29	Joe Y. Coronado	Overtime—	8 8	8	8	8	12	8 44	1.735 1.695		88.16		1.33							1.33	87.13		
31	Alejandro C. Figueroa	Overtime—	8	8	8	8	8	40	1.525		61.00		.92							.92	60.08		
32	Joseph Brown Jr.	Overtime—	8	8	8	8	8	40	1.695		67.80		1.02							1.02	66.78		
33	Pedro Casillas	Overtime—		8	8	8	8	32	1.525		48.80		.73							.73	48.07		
34	Harold Lincoln Stevens	Overtime—		4			4	8	1.525		12.20		.18							.18	12.02		
9 33	Frank Y. Coronado	Overtime—				8	8	16	1.565		25.04		.38							.38	24.66		
35	Valente Marques Leal	Overtime—					8	8	1.525		12.20		.18							.18	12.02		
36	Benito Martinez Comacho	Overtime—					8	8	1.525		12.20		.18							.18	12.02		
		Overtime—									924.73		13.88							13.88	910.85		

#1

LOCATION Tucson, Arizona DEPT. Mineral Hill D U A Project

PERIOD COVERED: FROM 7-1-52 TO 7-31-52 Incl.

BANNER MINING COMPANY

TIME BOOK AND PAYROLL

CERTIFIED TRUE COPY

A. B. Bowman

MANAGER

PAGE NO. _____

VOU. NO. _____

SEMCO 6-1-52—3000

BANNER—FORM 100

No.	NAME		TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F.O.A.B.	HOSPITAL-IZATION	ADVANCES	BOARD	DEDUCTIONS OTHER DEDUCTIONS ITEM	AMOUNT	W.H. TAX				TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
		Overtime—																			
		Overtime—																			
	A. B. Bowman	Period 7-1-52 to 7-15-52 Incl. ½ of his time				190.50															
		Overtime—																			
	E. E. Bray	" " " " " " " " " " "				137.50															
		Overtime—																			
	B. W. Venable	" " " " " " " 1/8 of his time				60.00															
		Overtime—																			
	E. C. Bowman	" " " " " " " 1/6 of his time				32.91															
		Overtime—																			
		Overtime—																			
		Overtime—																			
	A. B. Bowman	Period 7-16-52 to 7-31-52 Incl. ½ of his time				190.50															
		Overtime—																			
	E. E. Bray	" " " " " " " " " " "				137.50															
		Overtime—																			
	B. W. Venable	" " " " " " " 1/8 of his time				60.00															
		Overtime—																			
	E. C. Bowman	" " " " " " " 1/6 of his time				32.92															
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			
		Overtime—																			

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

224 New Customhouse
Denver 2, Colorado

September 2, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: MF-104, DMA Docket 269XA, Contract I-DMA-E32 (Copper), Banner Mining Company, Mineral Hill Mines, Pima County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report, and other supporting data for the period of June, 1952, pertaining to DMA Docket 269XA, Contract I-DMA-E32, Banner Mining Company.

W. H. King

W. H. King

Enclosures

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

Administrative Audit Difference Statement

Date: September 2, 1952
Payee's
Reference: Progress
Report - June 1952

Danner Mining Co.
2042 Conner Stravenue
Tucson, Arizona

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

Amount claimed $ 9,415.11

Difference $ 138.47

Amount Approved $ 9,276.64

The reason for the difference was due to:

Cost of cleaning up muck on the 300 level station:

Labor	122.00
P.R. Taxes	4.27
Lia. Ins.	12.20
	138.47

Any reclaim for deductions made above must be supported by the ORIGINAL OF THIS FORM.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV - B&F Form No. 4
4-15-52 D

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

224 New Customhouse
Denver 2, Colorado

Mining Division
Region IV

August 18, 1952

Memorandum:

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 269XA, Contract I-DMA-E32 (Copper), Lanner Mining Company, Mineral Hill Mines, Pima County, Arizona-Operator's Monthly Progress Report, for the period June, 1952.

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $4638.34, which is 50 percent of the total of $9276.64. The total reflects a deduction of $138.47 which is explained in the engineer's report and the Operator's narrative. The deduction should be broken down and distributed to the items as shown.

W. H. King
W. H. King

Enclosures

BUREAU OF MINES
REGION IV

August 12, 1952

Memorandum

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

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : June 1952 Progress Report, DMA Docket 269XA, Contract I-DMA-E32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

In answer to your memorandum of July 25, we have had the Banner Mining Co. change its narrative report for the month of June. Our engineer's report also has been changed.

Enclosed in quintuplicate are the following items for the June report:

(1) Bureau of Mines engineer's revised report;
(2) Operator's revised narrative report;
(3) Form MF-104

Also enclosed are two extra copies of our engineer's report.

As the work on the 300-foot level was done on company account, that amount should be deducted from the totals on Form MF-104. After deducting this amount ($138.47), I recommend that the Government's share of 50 percent of the remainder be paid as all accounts then will conform to the contract.

Walter R. Storms

Walter R. Storms, Chief
Arizona-New Mexico Branch
Mining Div., Region IV

CC W. H. King (6)
DMA-269XA
DF

WRStorms:frj

MINING DIVISION
REGION IV

August 12, 1952

Memorandum

To : Walter R. Storms, Chief, Arizona-New Mexico Dr., Mining Div., Region IV, Tucson, Ariz.

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

Subject : Monthly Progress Report for June 1952, Banner Mining Co., Mineral Hill Copper Project, Pima Co., Ariz. Docket No. 269X-A, Contract I-DMA-832.

Progress on the subject project was checked July 10 by R. W. Ageton, mining engineer, Tucson, Ariz. and the writer. Cost records were checked and an inventory was taken of supplies used during the month before inspecting the property in the company of Allen Bowman, superintendent of the operation. We went down the inclined shaft and entered mine workings on the 300-, 500-, and 600-foot levels.

Briefly, the work for June consisted of clean-up operations on the 300- and 600-foot levels, the installation of track and pipe, and the placing of timber sets on the 600-foot level, sampling on the 300- and 500-foot levels, and the installation of pipe and armored signal cable in the shaft. The work on the 300 level was for the account of the Banner Mining Co. The cable, 333 feet of 22-conductor, is 100 percent owned by the Banner Mining Co., and is being used at no cost to the Government. In addition to the above work, signals, lights and telephones were installed on the 300- and 600-foot levels. Upon returning to the surface, it was noted that the 686-CFM Gardner Denver compressor with motor had been installed on the foundation that was being prepared during May. The use of the compressor is covered by an amendment to the contract dated February 16, 1952

Bowman's detailed progress report is attached.

ANALYSIS OF ENTRIES ON FORM MF-104

Item 2(c). Contract depreciation on items listed. Additions over last month are one mine car and the compressor.

CC W. H. King (orig. & 6)
DMA-269XA
DF

TMRomslo:frj

Item 4. The payroll sheets have been checked and have been found correct with the following exception. Labor used on the 300 level has been included in the payrolls. As the work on the 300 level is for the account of the Banner Mining Co., as explained in item 7 of the Operator's Narrative Report, its cost of $138.47 should be deducted from the Statement of Costs of Form MF-104. The deduction of this amount should be broken down to: labor, $122.00; Unemployment Insurance, $2.44; Social Security, $1.83; and Workmen's Compensation, $12.20.

In order to utilize the labor most efficiently some of the men are shifted from this project to project 269X-B as the need arises.

Although the job classification sheet lists 7 men as "helpers" whereas the contract limits the number to 5, the total shifts worked by the 7 men are less than the shifts of full time employment of the 5 allowable men.

Item 5. This represents contract salaries. Distribution of salaries is shown on payroll sheets.

Item 6(a). Timber used in drift and crosscut on 600 level.

Item 6(d). Includes pipe, rail, and electrical supplies.

Item 7.	Power charge, gross	$648.71
	Less 20 percent rebate	129.74
		$518.97
	Plus 1 percent on gross	6.49
	Total	$525.46

Item 8. Freight charges on pipe, rail and track accessories and electrical supplies.

Item 9. Payroll taxes on gross amounts as follows:

Unemployment insurance	2%
Workmen's compensation	10%
Social Security	1½%

Item 11. Assay charges on samples taken of mineralized zones. Certificates of analyses made by private assayers were inspected.

The usual affidavit relative to payment of June bills will be sent to Denver from the Oklahoma office.

All items on form MF-104 for June are within the specifications of the contract and its amendments. The writer has approved the report.

T M Romslo

T. M. ROMSLO, MINING ENGINEER
ARIZONA-NEW MEXICO BRANCH
MINING DIVISION, REGION IV

July 11th, 1952

Defense Minerals Administration
224 New Customhouse Building
Denver 2, Colorado

Re:- DMA Contract # I-DMA-32, Docket # 269-X-A- Pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of June 1952 and the following is a list of amounts completed during the month:-

1. The water level was held at a point 745' from the collar measured down the incline shaft, while cleanup work continued on the 600 level.

2. 174 feet of drifts and crosscuts on the 600 level were cleaned out during the month and track layed covering the same distance. 85 feet of this section was badly caved and required heavy timbering after it was cleaned out. After the sets were placed it was necessary to crib up to the back from on top of the sets to hold the heavy ground. It is hoped that after draining this ground will stand better.

3. 333 feet of 22 conductor armored signal cable 100% owned by Banner Mining Co. was installed in the shaft and is being used at no cost to the project or to the government. Signals, lights and telephones were placed on the 300 and 600 levels of the mine.

4. 294 feet of 2" pipe were installed in the shaft and 175' on the 600 level.

5. The foundation pit was dug, forms were built and the concrete foundation was poured for the 686 CFM Gardner Denver Compressor. The compressor and motor were then installed on this foundation. The electrical hookup and piping remain to be done.

6. Work was continued on the sampling of the 500 and 600 levels. Assay maps are being prepared showing the location and assay of each sample. A few samples were taken on the 300 level.

7. Work was commenced on cleaning up the muck on the 300 level station. This job is about 50% complete. The cost of the work completed on the 300 level is for the account of Banner Mining Company and totals $ 138.47. This amount is broken down as follows:- Labor- $122.00, Payroll Taxes $4.27, and Liability Insurance $12.20. No supplies were used on this job.

Will you please deduct the above three amounts totaling $ 138.47 from the cost of the project. A list is attached showing the men who worked on the 300 level during June 1952 together with hours worked by each, rate and total cost.

This letter is intended as a narrative report showing progress and work accomplished during the month.

Yours very truly,

Banner Mining Company

A. B. Bowman

Manager

ABB:ecb

COPY

MEN WHO WORKED ON 300 LEVEL MINERAL HILL MINE DURING MONTH OF JUNE 1952.

DATE	NAME	OCCUPATION	HOURS	RATE	COST
6-17-52	James H. Stevens	Helper	4	1.525	$ 6.10
6-18-52	James H. Stevens	Helper	4	1.525	6.10
6-25-52	Manuel R. Campuzano	Helper	8	1.525	12.20
6-25-52	Arthur P. Hernandez	Helper	8	1.525	12.20
6-26-52	Manuel R. Campuzano	Helper	8	1.525	12.20
6-26-52	Arthur P. Hernandez	Helper	8	1.525	12.20
6-27-52	Manuel R. Campuzano	Helper	8	1.525	12.20
6-27-52	Arthur P. Hernandez	Helper	8	1.525	12.20
6-28-52	Manuel R. Campuzano	Helper	8	1.525	18.30
6-28-52	Arthur P. Hernandez	Helper	8	1.525	18.30
		Total	72		$ 122.00

Note:- On 6-23-52 both Manuel R. Campuzano and Arthur P. Hernandez were paid at the time and one half rate. That day was the 6th day they had worked in that week.

COPY

MF-104
(August 1951)

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

#2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 32

Name of Operator Banner Mining Company
Docket No. DMA 269-X-A
Total Contract Amount $ 126,789.00
Government Participation: 50 % Amount, $ 63,394.50
Distribution of Expenditures for Month of June, 1952

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

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

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

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

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

CERTIFICATION

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

Banner Mining Company
(Name of Company)

By G. S. Sonman
(Signature of Authorized Official)

7-10-52
(Date)

Manager
(Title)

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

16--64008-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract.

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings	None	3,049.41	3,049.41			
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	None	2,165.25	2,165.25			
(b) Rented[2]						
(c) Furnished by operator	253.22	791.48	1,044.70			
1-75HP Hoist & Motor	41.66					
2-50HP Centrifugal Pumps	41.66					
3- Mine Cars	3.75					
1- Cut-off Saw	5.83					
D. T. Truck 12½ Hours	25.00					
~~3. Maintenance and Repairs:~~						
~~(a) Facilities~~						
1- Essick Cement Mixer	4.16					
1-G D 686 cfm Compressor	131.16					
(b) Buildings						
(c) Installations						

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	5,474.48	27,267.39	32,741.87	5,352.48	27,267.39	32,619.87
5. Supervision	841.83	5,250.62	6,092.45			
6. Supplies						
(a) Timber	379.15	3,041.72	3,420.87			
(b) Explosives	None	69.38	69.38			
(c) Repair Parts						
(d) Other	905.33	10,091.18	10,996.51			
7. Power	525.46	11,437.60	11,963.06			
8. Transportation	65.19	638.30	703.49			
9. Insurance						
(a) ~~Fire~~ XXX Unemp. Ins.	126.33	650.36	776.69	122.06	650.36	772.42
(b) Public Liability						
(c) Workmen's Compensation	631.63	3,251.79	3,883.42	619.43	3,251.79	3,871.22
Soc. Security	94.74	475.88	570.62			
10. Contract Work						
11. Other (specify)						
Assay Charges	117.75	None	117.75			
Total	9,415.11	68,180.36	77,595.47	9,276.64	68,180.36	77,457.00
Deletions					217.24	217.24
Adjusted totals				9,276.64	67,963.12	77,239.76
Totals previously reported				67,963.12		
Totals to date				77,239.76		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by M. Ponolo W.R.H.
Amount approved for payment $4638.34
Remarks

Schedule DMA 53-26
Aug 26, 1952
4638.32

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF June, 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	6,316.31	253.22	1,402.23	1,443.35	9,415.11					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	6,316.31	253.22	1,402.23	1,443.35	9,415.11					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

#2

Banner Mining Company

Mineral Hill D M A Project

June 1952

EMPLOYEE	JOB CLASSIFICATION	RATE
William Sanders	Helper	$ 1.525
Valente M. Leal	Shaftman	1.80
Phillip F. Stevens Jr.	Semi-skilled Mechanic.	1.695
Juan C. Martinez	Hoistman	1.695
Leodoro Leal	Hoistman	1.695
Jose P. Campuzano	Shaftman & Miner	1.80 & 1.695
Jesse P. Bozarth	Shaftman	1.80
Manuel R. Campuzano	Helper	1.525
Robert C. Aguilar	Hoistman	1.695
J. P. Ramirez	Electrician	2.00
H. M. Hodgers	Electrician	2.00
Benito M. Comacho	Helper	1.525
Duane W. Sprague	Mechanic	1.76
Arthur P. Hernandez	Helper	1.525
Edgar Potts	Watchman	.75
James H. Stevens	Helper	1.525
Jose M. Comacho	Helper	1.525
Donasino Manquero	Helper	1.525

Notes:- The hours circled in red on the payrolls denotes evening shift. The rate is four cents per hour more than the dayshift rate.

The hours circled in blue on the payrolls denotes graveyard shift. The rate is eight cents per hour more than the dayshift rate.

Five of these men worked on both the Mineral Hill Project and the Twin Buttes Project. These men were shifted from one project to the other according to the particular daily needs of each property.

AFFIDAVIT

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

W. H. HARDY, of lawful age, being duly sworn, deposes and says:

THAT he is the Secretary and Treasurer of the Banner Mining Company, a Nevada Corporation, and that he has been serving in that capacity for fifteen (15) years; that he is personally acquainted with the books and records of said Company and supervises the bookkeeping department of said Company; that he knows of his own personal knowledge that all bills of the Banner Mining Company for work done and materials purchased to and inclusive of June 30th, 1952, under D. M. A. Contract Number I-DMA-32, D. M. A. Docket 269-E-A pertaining to the Mineral Hill Property South of Tucson, Arizona, are fully paid.

FURTHER Affiant sayeth not.

DATED THIS 16th day of July, 1952.

W. H. Hardy

W. H. Hardy

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

Before me, the undersigned, a Notary Public in and for said County and State on this 16th day of July, 1952, personally appeared W. H. Hardy to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.

Dorothy Williams

Dorothy Williams, Notary Public

My commission Expires:
August 18th, 1955.

61

LOCATION Tucson, Arizona DEPT. Mineral Hill D N A Project

PERIOD COVERED: FROM 6-1-52 TO 6-14-52 Inclusive

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000 BANNER--FORM 100

No.	NAME		1 2 3 4 5 6 7	8 9 10 11 12 13 14	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	DEDUCTIONS: STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS: ITEM	AMOUNT	W Tax				TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
8	William Sanders	Overtime—	x 8 8 8 8 0 x	x 8 8 8 8 x x	72	1.565		112.68		1.69						7.20				8.89	103.79		
5	Valente Marques Leal	Overtime—	8 8 8 8 8 12 12	x x 8 8 8 8 8	104	1.60		167.20		2.51						11.60				14.11	153.09		
6	Phillip B. Stevens Jr.	Overtime—	4 8 8 8 8 11½	8 5 4	64½	1.695		109.90		1.63										15.13	93.77		
8	Juan Collazo Martinez	Overtime—	8 8 8 8 8 12 12	8 8 8 8 8 12 12	128	1.735		222.08		3.33						24.50				27.83	194.25		
10	Leodoro Leal	Overtime—	8 8 8 8 8 12 12	8 8 8 8 8 12 12	128	1.775		227.20		3.41						24.50				27.91	199.29		
11	Goen Procisio Campuzano	Overtime—	x 8 8 8 8 8 x	x x 8 8 8 8 8	80	1.80		150.40		2.26				Gualline	.75	15.60				17.61	132.79		
12	Jesse Paul Dosarth	Overtime—	8 8 8 8 8 12 12	8 8 8 8 8 12 12	120	1.84		235.52		3.53						11.90				15.43	190.09		
13	Manuel Rualas Campuzano	Overtime—	8 8 8 8 8 12 12	8 x 8 8 8 8 12	116	1.525		176.90		2.65				Pale	.75	19.40				22.80	151.10		
14	Robert C. Aguilar	Overtime—	8 8 8 8 8 12 12	8 8 8 8 8 12 12	128	1.695		216.96		3.25						17.16				20.65	196.31		
16	J. D. Ramirez	Overtime—	7 5½ 5 5	5 6½	34	2.00		68.00		1.02										1.02	66.98		
17	M. M. Rodgers	Overtime—	7 5½ 5 5	8 5 6½	42	2.00		84.00		1.26										1.26	82.74		
19	Benito Martinez Conecho	Overtime—	x 8 8 8 8 8 12	8 8 8 8 8 12 12	116	1.605		186.18		2.79						16.70				19.49	166.69		
20	Duane W. Sprague	Overtime—	x 8 8 8 8 9 3/4 12	x 8 8 8 8 8 12	3½ 105 3/4	1.60 1.76		192.42		2.89				Boots	7.50	2.10				12.49	179.93		
23	Arthur Perez Hernandez	Overtime—	8 8 8 8 8 12 12	8 8 x 8 8 8 12	116	1.605		186.18		2.79						21.80				24.59	161.59		
26	Edgar Potts	Overtime—	8 8 8 8 8 12 12	8 8 8 8 8 12 12	128	.75		96.00		1.44				Coup	.50	8.70				10.64	85.36		
27	James Hunt Stevens	Overtime—	x 8 8 8 8 8 12	x 8	60	1.525		91.50		1.37						26.50				27.87	63.63		
28	Jose Martinez Conecho	Overtime—	8 8 8 8 8 12 12	8 8 8	88	1.525		134.20		2.01						18.30				20.31	113.89		
		Overtime—						2,675.32		40.13					9.50	268.70				318.33	2,357.00		
		Overtime—																					
	A. B. Bowman	Overtime—	Period 6-1-52 to 6-15-52 Incl. ½ of his time					190.50															
	D. E. Gray	Overtime—	* * * * * *	* * * * *				137.50						CERTIFIED TRUE COPY									
	D. W. Venable	Overtime—	* * * * * *	* * 1/6 of his time				60.00						A. B. Bowman MANAGER									
	E. C. Bowman	Overtime—	* * * * * *	* 1/6 of his time				32.91															
		Overtime—																					

#1

LOCATION Tucson, Arizona DEPT. Mineral Hill D H A Project

PERIOD COVERED: FROM 6-15-52 TO 6-28-52 Incl.

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000 BANNER--FORM 100

No.	NAME		15 16 17 18 19 20 21	22 23 24 25 26 27 28	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	DEDUCTIONS: STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT	W Tax				TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
2	William Sanders	Overtime	x x x 8 8 8 8	8 x x 8 8 8 8	72	1.525		109.80		1.65						6.40				8.05	101.75		
5	Valente Marquez Leal	Overtime	(8) (8) 8 8 8 (12) (12)	(8) 8 8 8 8 (12) (12)	88 40	1.84 1.88		237.12		3.56						21.40				24.96	212.16		
6	Phillip D. Stevens Jr.	Overtime	x 6 6 4 6 6 (8) (12)	x 8 4 3½ 8 8 3/4 12	72¾ 88 20	1.695 1.775 1.775		122.45		1.84						11.90				13.74	108.72		
8	Juan Collazo Martinez	Overtime	8 8 8 8 12 (12) (12)	(8) (8) 8 8 8 (12) (12) (8) (12)	84	1.695		265.48		3.98						32.50				36.48	229.00		
10	Leodoro Leal	Overtime	(8) (8) x x 8 8 8	8 8 8 8 12 12 12	84 80	1.735 1.775		218.72		3.28						22.50				25.78	192.94		
11	Jose Preciado Campusano	Overtime	(8) x x x x (8) (8)	(8) (8) (8) (8) 8 (12) (12)	8	1.84		156.72		2.35						15.40				17.75	138.97		
12	Jesse Paul Bozarth	Overtime	8 8 8 8 8 12 12	8 8 8 8 8 12 12	128	1.80		230.40		3.46						39.90				43.36	187.04		
13	Manuel Ruelas Campusano	Overtime	(8) (8) (8) (8) (8) x 6	x 8 8 8 8 8 12	58 40	1.525 1.605		152.65		2.29						15.40				17.69	134.96		
14	Robert C. Aguilar	Overtime	(8) (8) (8) (8) 8 (12) (12)	(8) (8) x x (8) (8) (8)	64 40	1.735 1.775		182.04		2.73						10.80				13.53	168.51		
16	J. P. Ramires	Overtime	3½ 5½ 1½ 4	2 4	23½	2.00		47.00		.71										.71	46.29		
17	H. M. Hodgers	Overtime	3½ 6 5½ 1½ 4	2 4	29½	2.00		59.00		.89										.89	58.11		
19	Benito Martinez Gomacho	Overtime	(8) (8) (8) (8) (8) (12) (12)	(8) (8) (8) (8) (8) (12) (12)	120	1.565		200.32		3.00						20.50				23.50	176.82		
20	Duane W. Sprague	Overtime	x 8 8 8 8 8 12	x 8 8 x 8 8 8	92	1.76		161.92		2.43										2.43	159.49		
23	Arthur Peres Hernandez	Overtime	(8) (8) (8) (8) (8) (12) (12)	x (8) 8 8 8 8 12	44 72	1.525 1.565		179.78		2.70						20.20				22.90	156.88		
26	Edgar Potts	Overtime	8 8 8 8 8 12 12	8 8 8 8 8 12 12	120	.75		96.00		1.44						8.70				10.14	85.86		
27	James Hunt Stevens	Overtime	x 6 8 8 8	x x x	30	1.525		45.75		.69						20.10				20.79	24.96		
28	Jose Martinez Gomacho	Overtime	(8) (8) (8) (8) x	x	32	1.605		51.36		.77						15.10				15.87	35.49		
		Overtime						2,516.52		37.77						260.00				297.77	2,217.95		
		Overtime																					
		Overtime																					
		Overtime																					
		Overtime																					
		Overtime																					
		Overtime																					
		Overtime																					

CERTIFIED TRUE COPY

A. L. Bowman

MANAGER

#1

LOCATION Tucson, Arizona DEPT. Mineral Hill D M A Project

PERIOD COVERED: FROM 6-29-52 TO 6-30-52 Inclusive

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000

BANNER—FORM 100

No.	NAME		29	30			TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT					TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
5	Valente Marquez Leal	Overtime—	8	8			16	1.80		28.80		.43										.43	28.37		
7	Donasino Manquero	Overtime—		8			8	1.525		12.20		.18										.18	12.02		
8	Juan Collaso Martinez	Overtime—	(8)	(8)			16	1.775		28.40		.43										.43	27.97		
10	Leodoro Leal	Overtime—	(8)	x			8	1.735		13.88		.21										.21	13.67		
11	Jose Preciado Campuzano	Overtime—	(8)	(8)			16	1.775		28.40		.43										.43	27.97		
12	Jesse Paul Bozarth	Overtime—	(8)	(8)			16	1.84		29.44		.44										.44	29.00		
13	Manuel Ruelas Campuzano	Overtime—		(8)			8	1.565		12.52		.19										.19	12.33		
14	Robert C. Aguilar	Overtime—	8	8			8 16	1.735 1.695		41.00		.62										.62	40.38		
16	J. P. Ramirez	Overtime—	6				6	2.00		12.00		.18										.18	11.82		
17	H. M. Hodgers	Overtime—	6				6	2.00		12.00		.18										.18	11.82		
19	Benito Martinez Comacho	Overtime—	8	8			16	1.525		24.40		.37										.37	24.03		
20	Duane W. Sprague	Overtime—		8			8	1.76		14.08		.21										.21	13.87		
23	Arthur Peres Hernandez	Overtime—		(8)			8	1.565		12.52		.19										.19	12.33		
26	Edgar Potts	Overtime—	8	8			16	.75		12.00		.18										.18	11.82		
		Overtime—								281.64		4.24										4.24	277.40		
		Overtime—																							
	A. B. Bowman	Overtime—	Period 6-16-52 to 6-30-52 Incl. ½ of his time							190 50															
	E. E. Bray	Overtime—	"	"	"	"	"	"	"	137 50															
	B. W. Venable	Overtime—	"	"	"	"	"	"	1/8 of his time	60 00															
	E. C. Bowman	Overtime—	"	"	"	"	"	"	1/6 of his time	32 92															
		Overtime—																							
		Overtime—																							
		Overtime—																							
		Overtime—																							

CERTIFIED TRUE COPY

A. B. Bowman

Manager

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 32

Name of Operator Banner Mining Company
Docket No. DMA 269-X-A
Total Contract Amount $ 126,789.00
Government Participation: 50 % Amount, $ 63,394.50
Distribution of Expenditures for Month of May 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 7 1952

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

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

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

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

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

CERTIFICATION

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

Banner Mining Company
(Name of Company)

By A. S. Sommer
(Signature of Authorized Official)

6-9-52
(Date)

Manager
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings	None	3,049.41	3,049.41	None	3,049.41	3,049.41
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	None	2,165.25	2,165.25	None	2,165.25	2,165.25
(b) Rented[2]						
Essick Cement Mixer 4.16						
D. T Truck 19 Hrs 38.00						
(c) Furnished by operator	133.81	657.67	791.48	133.81	657.67	791.48
2 Mine Cars 2.50						
1 Hoist & Motor 41.66						
2 50hp Motor pumps 41.66						
1 Cut off saw 5.83						
3. ~~Rehabilitation and Repairs:~~						
~~(a) Facilities~~						
(b) Buildings						
(c) Installations						

16—64068-3

UMD

Mining Division
Region IV

June 20, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 269XA, Contract I-DMA-E32 (Copper), Banner Mining Company, Mineral Hill Project, Pima County, Arizona - Operator's Monthly Progress Report for the period of May 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $5,129.68, which is 50 percent of the total of $10,259.35.

Referring to the payroll sheet, Duane W. Sprague is shown to have worked six hours on May 8, 1952, earning an increment of $0.04 per hour over his base wage. The operator has not shown these six hours as work on the evening shift, but we feel sure that this is the case and are allowing the rate as shown. The engineer explains the allowance for the increase in the number of "Helpers".

Your attention is called to the correction in the "Approved Totals to Date" column as noted in the engineer's report.

W. H. King

W. H. King

Enclosures

WLD:jp
cc Secty. to the Operating Committee
WRStorms
Contract
Chron
AHKoschmann (2)

Mining Division
Date Rec'd.
JUN 16 1952
BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

June 13, 1952

Memorandum

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

From : Chief, Arizona-New Mexico Dr., Mining Div., Region IV

Subject : May 1952 Progress Report for BMA Docket 269X A, Contract I-BMA-E32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quintuplicate are the following for the above report:

(1) Bureau of Mines engineer's report;
(2) Operator's progress report;
(3) Form MF-104 and payroll.

Also enclosed are 2 extra copies of our engineer's report.

As all accounts are according to the contract, I recommend that 50 percent of the total monthly costs be paid by the Government.

Walter R. Storms

Walter R. Storms

CC W. H. King (orig. & 6)
BMA 269X A
DF

WRStorms:frj

MINING DIVISION
REGION IV

June 11, 1952

Memorandum

To : W. R. Storms, Chief, Arizona-New Mexico Br., Mining Div., Region IV

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

Subject : Monthly Progress Report for May 1952, Banner Mining Co., Mineral Hill Copper Project, Pima Co., Ariz. Docket No. 269X-A, Contract I-DMA-X32

I visited the subject project on June 9 to check progress. After looking over the records and taking inventory of supplies used during the month, an inspection trip of the property was made in company with Allen Bowman, superintendent of the operation. We went down the inclined shaft and entered the east side of the mine on both the 500 and 600 levels. Two oresheets on the 500 level and one oresheet on the 600 level were seen. These oresheets are now being sampled. The oresheet on the 600 level appears to be a lens-shaped body roughly 130 feet long with a maximum width of about 16 feet. Ten samples of this ore body gave an arithmetical average of 3.54 percent copper and 1.0 ounce of silver a ton, according to Mr. Bowman.

During May, unwatering and repairing of the shaft proceeded to an inclined depth of 745 feet, or about 15 feet below the 600 level (vertical distance). Drainage ditches were dug through muck piles on both the 500 and 600-foot levels. Additional work on the 600 level consisted of placing some timber in the station and cleaning out and laying track for 167 feet in the crosscut from the shaft. An additional 50-hp Ingersoll-Rand Motor Pump was installed at the pump station during the first part of May, in order to speed up the dewatering job. This pump is owned 100 percent by the Banner Mining Company and is being used at no cost to the project or the Government. Also installed in the shaft and being used at no cost to the project or Government is 443 feet of 22 conductor armored signal cable that is wholly owned by the Banner Mining Company. Surface work, during the month consisted of digging 2 trenches, the building of forms and the pouring of concrete for the foundation of a bin to be constructed in the headframe. The bin will be used to handle ore encountered in the clean-up work. Muck encountered during the shaft work was hoisted to the 200 level,

CC W. H. King (orig. & 6)
DMA-269A
DF
WRStorms:frj

trammed, and dumped into an old stope. Framing of timbers for the above bin was started during the month.

Bowman's detailed progress report is attached.

ANALYSIS OF ENTRIES ON FORM MF-104

Item 2(c) Contract depreciation on items listed.

Item 4. The payroll sheets have been checked in detail. In order to utilize the labor most efficiently, some of the men are shifted from this project to project 269X B as the need arises.

Although the job classification sheet lists 8 men as "helpers", whereas the contract limits the number to 5, three of the 8 men have each worked but 3 shifts or less.

Item 5. This represents contract salaries.

Item 6(a). Timber used in rehabilitation of shaft, 600 level and ore bin.

Item 6(d). Includes rail, pipe and fittings, electrical supplies, etc.

Item 7.	Power charge, gross	$294.09
	Less 20 percent rebate	58.82
		$235.27
	Plus 1 percent on gross	2.94
		$238.21

Item 8. Freight charges on G.-D. 600 cfm compressor, rail, pipe, bolts, and rail and pipe accessories.

Item 9. Payroll taxes on gross amount as follows:

Unemployment insurance,	2%
Workman's compensation,	10%
Social security,	1½%

The usual affidavit relative to payment of May bills will be sent to Denver from the Oklahoma office.

Attention is called to Denver's Approved Total to Date for the month of April. This total should be $57,921.01, or 3.03 less than shown. Explanation: the $3.03 deducted in March was reinstated in April by adding it to the operator's totals which did not include the March deduction.

As all items on form MF-104 for May are within contract specifications, the writer is approving the report.

T. M. Romslo, Mining Engineer
ARizona-New Mexico Branch

AFFIDAVIT

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

W. H. HARDY, of lawful age, being duly sworn, deposes and says:

THAT he is the Secretary and Treasurer of the Banner Mining Company, a Nevada Corporation, and that he has been serving in that capacity for fifteen (15) years; that he is personally acquainted with the books and records of said Company and supervises the bookkeeping department of said Company; that he knows of his own personal knowledge that all bills of the Banner Mining Company for work done and materials purchased to and inclusive of May 31st, 1952, under D. M. A. Contract Number I-DMA-32, D. M. A. Docket 269-K-A pertaining to the Mineral Hill Property South of Tucson, Arizona, are fully paid.

FURTHER Affiant sayeth not.

DATED THIS 12th day of June, 1952.

W. H. Hardy
W. H. Hardy

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

Before me, the undersigned, a Notary Public in and for said County and State on this 12th day of June, 1952, personally appeared W. H. Hardy to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.

Dorothy Williams
Dorothy Williams, Notary Public

My commission Expires:
August 18th, 1955.

June 9th, 1952

Defense Minerals Administration
224 New Custom House Building
Denver 2, Colorado

Re:- D M A Contract Number I- DMA- E-32, Docket # 269-X-A- Pertaining To The Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of May 1952 and the following is a list of amounts completed during this period:-

1. The unwatering and repairing of the incline shaft proceeded during the month to a depth of 745 feet below the collar as of May 31st, 1952. The old shaft sets encountered this month for the most part were in excellent shape. However we had to install new dividers between compartments and beneath the track on every set. Track, ladders and water lines as well as some electric cable were installed as work progressed. Considerable muck found along the footwall of the shaft was cleaned out and hoisted to the 200 level.

2. The unwatering to June 1st, 1952 has lowered the water to a point 15 feet below the 600 foot (vertical distance) level or 745 feet along the incline, and has made it possible to see parts of the 500 and 600 levels. The 600 level is 730 feet below the collar. The500 level is 608 feet below the collar.
We were able to get into the east side of the mine on both the 500 and 600 foot levels. Two ore shoots on the 500 level east side and one on the 600 level east side, both as indicated on the old maps, can be seen. The west side of the mine on both levels shows considerable caving and will require mucking out and considerable timbering before it can be checked.

3. Work was commenced on the re-opening of the 600 level. The crosscut from the shaft was cleaned out and track layed for a distance of 167 feet from the shaft. Some timbering was done on the 600 level station.

4. An additional 50 H. P. Ingersoll Rand Motor Pump , belonging 100% to the Banner Mining Company was installed at the pump station. It was necessary to install this pump in order to make better headway with the water. This pump is being used at no cost to this project or the government.

5. 443' of 22 conductor armored signal cable 100% owned by Banner Mining Company was installed in the shaft and is being used at no cost to this project or the government.

6. Ditches were dug through muck piles where possible on both the 500 and 600 levels to aid in the drainage of these levels.

7. Two trenches were dug, forms built and the concrete poured for the foundation for a bin to be built in the headframe to handle ore encountered in the cleanup work. Up to now all muck and waste material encountered in the shaft was hoisted to the 200 level and trammed back and dumped down an old stope. The framing of timbers for the above bin was commenced during the month.

8. Sampling of the ore shoot on the east side of the 600 level was commenced. This shoot is roughly 130 feet long and is lens like in shape having a maximum horizontal width of 16 feet. The arithmetical average of the ten samples taken so far here average 3.54% copper and 1.0 ounce of silver per ton.

This letter is intended as a narrative report showing progress and work accomplished during the month.

Yours very truly,

Banner Mining Company

A. B. Bowman

A. B. Bowman

ABB:ecb

COPY

Banner Mining Company

Mineral Hill D M A Project

May 1952

EMPLOYEE	JOB CLASSIFICATION	RATE
Valente M. Leal	Miner & Shaftman	$ 1.695& 1.80
Phillip F. Stevens Jr.	Mechanic Helper	1.65
Lorenzo C. Cruz	Helper	1.525
Juan C. Martinez	Hoistman	1.695
Jesse P. Bozarth	Miner & Shaftman	1.695& 1.80
Leodoro Leal	Hoistman	1.695
Jose P. Campuzano	Shaftman	1.80
Manuel R. Campuzano	Helper	1.525
Robert C. Aguilar	Hoistman	1.695
Benito M. Comacho	Helper	1.525
Duane W. Sprague	Mechanic	1.76
Edgar Potts	Watchman	.75
J. P. Ramirez	Electrician	2.00
H. M. Hodgers	Electrician	2.00
Santos A. Yescas	Helper	1.525
Wood L. Sholly	Carpenter	1.76
William Sanders	Helper	1.525
James H. Stevens	Helper	1.525
Arthur P. Hernandez	Helper	1.525
Jose M. Comacho	Helper	1.525
Antonio Ramonet	Miner	1.695

Notes:- The hours circled in red on the payrolls denotes evening shift. The rate is four cents per hour more than the dayshift rate.

The hours circled in blue on the payrolls denotes graveyard shift. The rate is eight cents per hour more than the dayshift rate.

Seven of these men worked part time on both the Mineral Hill Project and the Twin Buttes Project. These men were shifted from one project to the other according to particular daily needs of each property.

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	5,497.81	21,769.58	27,267.39	5,497.81	21,769.58	27,267.39
5. Supervision	841.83	4,408.79	5,250.62	841.83	4,408.79	5,250.62
6. Supplies						
(a) Timber	482.03	2,559.69	3,041.72	482.03	2,559.69	3,041.72
(b) Explosives	None	69.38	69.38	None	69.38	69.38
(c) Repair Parts						
(d) Other	1,511.99	8,579.19	10,091.18	1,511.99	8,579.19	10,091.18
7. Power	487.39	10,950.21	11,437.60	487.39	10,950.21	11,437.60
8. Transportation	448.65	189.65	638.30	448.65	189.65	638.30
9. Insurance						
(a) Fed. Unemp. Ins.	126.79	523.57	650.36	126.79	523.57	650.36
(b) Public Liability						
(c) Workmen's Compensation	633.96	2,617.83	3,251.79	633.96	2,617.83	3,251.79
Soc. Sec.	95.09	380.79	475.88	95.09	380.79	475.88
10. Contract Work						
11. Other (specify)						
Total	10,259.35	57,921.01	68,180.36	10,259.35	57,921.01	68,180.36
Deletions						
Adjusted totals						
Totals previously reported				57,921.01		
Totals to date				68,180.36		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by N M Romolo WKS
Amount approved for payment $5129.68
Remarks

16—64068-3

Schedule DMA 53-2
July 1, 1952
5129.68

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF May 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	6,339.64	133.81	1,994.02	1,791.88	10,259.35					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	6,339.64	133.81	1,994.02	1,791.88	10,259.35					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

BANNER MINING COMPANY

LOCATION Tucson, Arizona DEPT. Mineral Hill D M A Project

PERIOD COVERED: FROM 5-1-52 TO 5-3-52 Inclusive

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000

BANNER--FORM 100

No.	NAME		1 2 3	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	DEDUCTIONS: STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT					TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
5	Valente Marques Leal	Overtime—	8 12 12	32	1.695		54.24		.81										.81	53.43		
6	Phillip F. Stevens Jr.	Overtime—	4 4 4	12	1.65		19.80		.30										.30	19.50		
7	Lorenzo C. Cruz	Overtime—	8 8 8	24	1.565		37.56		.56										.56	37.00		
8	Juan Collaso Martinez	Overtime—	8½ 12 12	32½	1.735		56.39		.85										.85	55.54		
12	Jesse Paul Bosarth	Overtime—	8 12 12	32	1.735		55.52		.83										.83	54.69		
10	Leodoro Leal	Overtime—	8 12 12	32	1.775		56.80		.85										.85	55.95		
11	Jose Prociado Campusano	Overtime—	x x 8	8	1.88		15.04		.23										.23	14.81		
13	Daniel Ruelas Campusano	Overtime—	12 12 12 12 12	24 36	1.605 1.525		93.42		1.40										1.40	92.02		
14	Robert C. Aguilar	Overtime—	8 11½ 12	31½	1.695		53.39		.80										.80	52.59		
19	Benito Martinez Comacho	Overtime—	8 12 12	32	1.605		51.36		.77										.77	50.59		
20	Duane W. Sprague	Overtime—	8 12	20	1.76		35.20		.53										.53	34.67		
26	Edgar Potts	Overtime—	8 12 12	32	.75		24.00		.36										.36	23.64		
16	J.P. Ramirez	Overtime—	3½	3½	2.00		7.00		.11										.11	6.89		
17	H. M. Hodgers	Overtime—	3½	3½	2.00		7.00		.11										.11	6.89		
23	Santos A. Yescas	Overtime—	4	4	1.525		6.10		.09										.09	6.01		
24	Antonio Ramonet	Overtime—	6	6	1.695		10.17		.15										.15	10.02		
		Overtime—					582.99		8.75										8.75	574.24		
		Overtime—																				
	A. B. Bowman	Overtime—	Period 5-1-52 to 5-15-52 Incl. 1/2 of his time				190.50															
	E. E. Bray	Overtime—	" " " " " " " " " " " " "				137.50															
	B. W. Venable	Overtime—	" " " " " " " 1/8 of his time				60.00															
	E. C. Bowman	Overtime—	" " " " " " " 1/6 of his Time				32.91															
		Overtime—																				
		Overtime—																				

BANNER MINING COMPANY

LOCATION Tucson, Arizona DEPT. Mineral Hill D H A Project

PERIOD COVERED: FROM 5-1-52 TO 5-17-52 Inclusive

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000

BANNER--FORM 100

No.	NAME		4	5	6	7	8	9	10	11	12	13	14	15	16	17	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT	Tax				TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
5	Valente Marques Leal	Overtime—	8	8	8	8	8	12	x	8	8	8	8	8	12	12	116	1.775		205.90		3.09						15.40				18.49	187.41		
6	Phillip F. Stevens Jr.	Overtime—						3			4						7	1.65		11.55		.17										.17	11.38		
7	Lorenzo C. Cruz	Overtime—	8	8	8	8½	8½	12	12	8	8	8	8	8	12	12	128 3/4	1.525		196.34		2.95						13.20				16.15	180.19		
8	Juan Collazo Martinez	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	12	12	128	1.695		216.96		3.25						22.50				25.75	191.21		
10	Leodoro Leal	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	12	12	128	1.735		222.08		3.33						24.50				27.83	194.25		
11	Jose Preciado Campusano	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	12	12	12 128	1.88 1.64		258.08		3.87						35.60				39.47	218.61		
12	Jesse Paul Bosarth	Overtime—	8	8	8	8½	8½	12	12	8	8	8	8	8	12	12	128 3/4	1.695		218.23		3.27						37.90				41.17	177.06		
13	Manuel Rueles Campusano	Overtime—	8	8	8	8	8	12	x	x	8	8	8	8	8	12	104	1.605		166.92		2.50						17.80				20.30	146.62		
14	Robert G. Aguilar	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	12	12	120	1.775		227.20		3.41						19.40				22.81	204.39		
16	J. P. Ramires	Overtime—							11		4½						15½	2.00		31.00		.47										.47	30.53		
17	H. H. Hodgers	Overtime—				6½			11		4½						22	2.00		44.00		.66										.66	43.34		
19	Benito Martinez Comacho	Overtime—	8	8	8	8	8	12	12 12	8	8	8	8	12	12	12	20 132	1.605 1.565		238.68		3.58						26.50				30.08	208.60		
20	Duane W. Sprague	Overtime—		8		8	6 8	11	12		8	8	8	8	8	12	6 99	1.80 1.76		185.04		2.78						3.70				6.48	178.56		
23	Santos A. Yoscas	Overtime—	8														8	1.525		12.20		.18										.18	12.02		
26	Edgar Potts	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	12	12	120	.75		96.00		1.44						8.70				10.14	85.86		
3	Wood Leonard Cholly	Overtime—				4	4	4	4		8	8	8	8	8	12	68	1.76		119.68		1.80										1.80	117.88		
24	Antonio Ramonet	Overtime—							4							5	9	1.695		15.26		.23										.23	15.03		
		Overtime—																		2,465.12		36.98						225.20				262.18	2,202.94		
		Overtime—																																	
	A. B. Bowman	Overtime—	Period 5-16-52 to 5-31-52 Incl. 1/2 of his time																	190.50															
	E. E. Bray	Overtime—	"	"	"	"	"	"	"	"	"	"	"	"	"					137.50															
	E. W. Venable	Overtime—	"	"	"	"	"	"	"	"	1/8 of his time									60.00															
	E. C. Bowman	Overtime—	"	"	"	"	"	"	"	"	1/6 of his time									32.92															
		Overtime—																																	

BANNER MINING COMPANY

LOCATION Tucson, Arizona DEPT. Mineral Hill D M A Project

PERIOD COVERED: FROM 5-18-52 TO 5-31-52 Inclusive

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000

BANNER--FORM 100

No.	NAME		18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITALIZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT	V Tax				TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
5	Valente Marques Leal	Overtime—	8	8	8	0	8	12	12		8	8	8	8	8	12	116	1.84		213.44		3.20				Rule	.75	17.40				21.35	192.09		
6	Phillip F. Stevens Jr.	Overtime—		8								5	5	8			26	1.65		42.90		.64				Coop	.50	19.10				20.24	22.66		
8	Juan Collaso Martinez	Overtime—	8	8	0	8	8	12	12	8	8	8	8	8	12	12	120	1.775		227.20		3.41						24.50				27.91	199.29		
										8							8	1.735																	
10	Leodoro Leal	Overtime—	8	0	0	0	8	12	12	8	8	8	8	12	12	12	132	1.695		237.62		3.56						26.50				30.06	207.56		
11	Jose Preciado Campusano	Overtime—	8	8	0	0	8	12	12	8	8	0	8	8	12	12	120	1.80		230.40		3.46						29.60				33.06	197.34		
12	Jesse Paul Dosarth	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	12	12	128	1.88		240.64		3.61						41.90				45.51	195.13		
13	Manuel Ruelas Campusano	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	12	12	120	1.565		200.32		3.00						24.20				27.20	173.12		
14	Robert G. Aguilar	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	8	12	116	1.735		201.26		3.02				Gas	.90	15.40				19.32	181.94		
16	J. P. Ramirez	Overtime—				3½								5			8½	2.00		17.00		.26										.26	16.74		
17	H. M. Hodgers	Overtime—				3½								5			8½	2.00		17.00		.26										.26	16.74		
										8							8	1.565																	
19	Benito Martinez Comacho	Overtime—	8	8	8	8	8	12	12	8	8	8	8	12	12	12	132	1.525		213.82		3.21						22.50				25.71	188.11		
20	Duane W. Sprague	Overtime—		8	8	8	8	8	13½		8	8	8	8		6	91½	1.70		161.04		2.42						1.30				3.72	157.32		
26	Edgar Potts	Overtime—	8	8	8	8	8	12	12	8	8	8	8	8	12	12	120	.75		90.00		1.44						8.70				10.14	85.86		
		Overtime—											8				28	1.605																	
2	William Sanders						8				8	8	8	8		12	32	1.525		93.76		1.41						17.00				18.41	75.33		
27	James Hunt Stevens	Overtime—									8			8 x		8	24	1.525		36.60		.55				Boots	7.50	7.10				15.15	21.45		
23	Arthur Peres Hernandez	Overtime—												8	8	8	24	1.525		36.60		.55				Boots	7.50					8.05	28.55		
28	Jose Martinez Comacho	Overtime—												8	8	8	24	1.565		37.56		.56				Boots	7.50					8.06	29.50		
24	Antonio Ramonet	Overtime—														4	4	1.695		6.78		.10										.10	6.68		
		Overtime—																		2,309.92		34.66					24.65	255.20				314.51	1,995.41		
		Overtime—																																	
3	Wood Leonard Sholly	Overtime—		8	0	0	8										32	1.76		56.32		.84										.84	55.48	1348	PAID
7	Lorenzo C. Cruz	Overtime—	8	8	8	8	8	12									52	1.605		83.46		1.25										1.25	82.21	1349	PAID
		Overtime—																		139.78		2.09										2.09	137.69		
		Overtime—																																	

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

224 New Customhouse
Denver 2, Colorado

June 3, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, Docket No. 269XA, Contract I-DMA-E32, Banner Mining Company, Mineral Hill Project, Pima County, Arizona

Enclosed are two copies of the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the period of April, 1952, pertaining to DMA Docket 269XA, Contract I-DMA-E32, Banner Mining Company, Mineral Hill Project, Pima County, Arizona.

W. H. King

W. H. King

JUN 6 1952

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 32

Name of Operator Banner Mining Company
Docket No. DMA 269-X- X
Total Contract Amount $ 126,789.00
Government Participation: 50 % Amount, $ 63,394.50
Distribution of Expenditures for Month of April 1952

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

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

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

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 6 1952

CERTIFICATION

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

Banner Mining Company
(Name of Company)

By A. S. Sherman
(Signature of Authorized Official)

May 10th, 1952
(Date)

Manager
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings	None	3,049.41	3,049.41		3049.41	3049.41
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	None	2,165.25	2,165.25	None	2165.25	2165.25
(b) Rented[2] Mine Car 1.25	90.40	567.27	657.67	90.40	567.27	657.67
Hoist & Motor 41.66						
2 50HP Motor Pumps 41.66						
Cut off saw 5.83						
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

16—64068-3

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	3,992.00	17,777.58	21,769.58	3992.00	17,777.58	21,769.58
5. Supervision	841.83	3,566.96	4,408.79	841.83	3566.96	4408.79
6. Supplies						
(a) Timber	326.00	2,233.69	2,559.69	326.00	2233.69	2559.69
(b) Explosives	None	69.38	69.38	None	69.38	69.38
(c) Repair Parts						
(d) Other	794.39	7,784.80	8,579.19	794.39	7784.80	8579.19
7. Power	236.45	10,713.76	10,950.21	236.45	10,713.76	10,950.21
8. Transportation	52.68	136.97	189.65	52.68	136.97	189.65
9. Insurance						
(a) ~~Fire~~ Unemp. Ins. 2%	96.68	426.89	523.57	96.68	426.89	523.57
(b) Public Liability						
(c) Workmen's Compensation 10%	483.38	2,134.45	2,617.83	483.38	2134.45	2617.83
Soc. Sec. 1½%	72.51	308.28	380.79	72.51	308.28	380.79
10. Contract Work						
11. Other (specify)						
Total	6,986.32	50,934.69	57,921.01	6986.32	50,934.69	57,921.01
Deletions				+ 3.03		+ 3.03
Adjusted totals				6989.35		57,924.04
Totals previously reported				50,934.69		
Totals to date				57,924.04		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Lincoln A Stewart WRS
Amount approved for payment $3493.16 + .51
Remarks

Schedule DMA 52-53
May 23, 1952
3494.67

16—64068-3

Note:- Please refer your form No. 4 dated April 21, 1952 suspending $ 3.03, evening shift differential and F.O.A.B.. We have checked our copy of the payroll and also the copy at Tucson office of Bureau of Mines and find they both indicate that Estaban Sanchez did work on this evening shift. If your copy does not indicate this man working on evening shift it was inadvertantly left off. Actually the man did work om evening shift. This total of $ 3.03 has been left in the proper columns and we hereby reclaim reistatement of this amount.

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF April 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	4,833.83	90.40	1,120.39	~~944.97~~ 944.70	~~6,989.59~~ 6986.32					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	4,833.83	90.40	1,120.39	~~944.97~~	~~6,989.59~~					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

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

5-23-52

Administrative Audit Difference Statement

Date: May 22, 1952
Payee's
Reference: Progress Report
April 1952

Banner Mining Company
2042 Conner Stravenue
Tucson, Arizona

Upon consideration of the above Payee's Reference a difference was found which made it necessary to ~~xxxxxx~~ increase your account accordingly:

Amount claimed $ 6,986.32

Difference $ + 3.03

Amount Approved $ 6,989.35

The reason for the difference was due to:

Erroneous deduction on Report for March 1952.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV - B&F Form No. 4
4-15-52 D

Mining Division
Region IV

May 19, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 269XA, Contract I-DMA-E32, Banner Mining Company, Mineral Hill Project, Pima County, Arizona - Operator's Monthly Progress Report for the period of April, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $3,493.16, which is 50 percent of the total of $6,986.32.

Referring to the Progress Report for March, $3.03 was disallowed because an employee of the company was shown as being paid at wages higher than is allowed by the contract. It has been the practice of this office to check the original of the four Progress Reports with the assumption that the other three are identical copies. However, in this case, the other three copies showed the man in question to have worked on a shift that paid a premium compensation. We are in error in that the other three copies should have been checked before a disallowance was made and are recommending the amount of $1.51 be added to that shown above to be paid the operator.

W. H. King

Enclosures

WLD:oc

cc: Secretary to the Operating Committee
WRStorms
Contract
Chron.
Koschmann (2)

Mining Division
Date Rec'd.
MAY 16 1952
BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

May 14, 1952

Memorandum

To : W. H. King, Denver, Colorado

From : Chief, Arizona-New Mexico Branch

Subject : April 1952 Progress Report, DMA Docket 269X A, Contract I-DMA-132, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quintuplicate are the following for the above report:

(1) Bureau of Mines engineer's report;
(2) Operator's monthly progress report;
(3) Form MP-104 with payroll.

Also enclosed are 2 extra copies of our engineer's report.

As the accounts have been found in order and conform to the contract, I recommend that the Government's share be paid.

Walter R. Storms
Walter R. Storms

CC: W. H. King (6)
DMA-269X A
DF

WRStorms:als

Item 6(a). Timber used in rehabilitation of inclined shaft.

Item 6(d). Includes rail, pipe and fittings, electrical supplies, etc.

Item 7.	Power charge, total	$291.91
	less 20% rebate	58.38
		233.53
	Plus 1% tax on gross	2.92
		$236.45

Item 8. Freight charges on rail and splices, hose, and drill stand.

Item 9. Payroll taxes on gross amount as follows:

Unemployment insurance	2%
Workman's compensation	10%
Social security	1½%

The usual affidavit relative to payment of April bills will be sent to Denver from the Oklahoma office.

In regard to the reclaim of $3.03 deducted by audit difference statement dated April 21, it appears that the bookkeeper failed to circle in red on 1 of the 4 payroll copies, the 74½ hours worked by Estoban Sanchez during the period March 1 - 8. The Denver checker must have used that copy, whereas the writer checked from a correct copy, and the payroll copy returned to Tucson files was likewise correct. The writer checked the original payroll sheet at Danner which shows that Sanchez worked evening shift during that period. Thus the reclaim requested by Danner is justified.

As all items on form MF-104 for April are within contract specifications, the writer is approving the report.

Lincoln A. Stewart

Lincoln A. Stewart, Mining Engineer
Arizona-New Mexico Branch

May 10th, 1952

Defense Minerals Administration
224 New Custom House Building
Denver 2, Colorado

Re:- D M A Contract Number I-DMA-E-33 Docket 269-X-A, Pertaining To The Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of April 1952 and the following is a list of amounts completed during this period:-

1. The installation of the power cut-off saw in the shop building was completed.

2. The unwatering and repairing of the incline shaft proceeded during the month to a depth of 576 feet below the collar as of April 30th, 1952. The old shafts sets encountered this month for the most part were in excellent shape. However we had to install new dividers between the compartments and beneath the track on every set. Track and water and air pipes as well as electric cables were also installed as the work progressed. Two bulkheads were built in the manway as prescribed by state law.

3. At a point 424 feet below the collar we unwatered what presumably was the old 300 foot (vertical distance) level. The station of this level was cut in sulphide ore. A 22½ foot cut sample across the shaft pillar at this point assayed as follows:

Copper	5.02%
Silver	0.40 Oz per ton
Zinc	0.20%
MoS_2	0.12%

4. A small amount of work was done on the re-alignment of the old sets with the new; but considerably more work remains to be done to complete the job.

5. A Ladderway was built up into a stope on the 300 level disclosing considerable ore left in large pillars there.

6. A 200 foot section of new 300 MCM 3 Conductor Armored Electric Power Cable was installed in the shaft. This size cable is now installed from the switch house near the collar of the shaft down the shaft to the pump station at the 385 foot level of the shaft. This cable is 100% owned by Banner Mining Company and is being used at no charge to this project or the government.

7. Some muck was encountered along the footwall of the shaft and had to be cleaned up and hoisted to the 200 foot level, where it was trammed back and dumped into an old stope.

This letter is intended as a narrative report showing progress and work accomplished during the month.

Attention is called to the note on page 3 of form MF-104 reclaiming the $ 3.03 suspended by your form number 4 of April 21st, 1952. Esteban Sanchez did work on evening shift and is so indicated on our copy of the payroll and the copy held by the Tucson office of the Bureau Of Mines. If the evening shift was not indicated on your copy of the payroll it was inadvertantly left off. This total of $ 3.03 has been left in the proper columns as reported in the March 1952 report and we hereby claim reinstatement of this amount. The original of your form number 4 is enclosed as per your request.

Yours very truly,

Banner Mining Company

A. B. Bowman

A. B. Bowman

ABB:ecb

COPY

AFFIDAVIT

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

W. H. HARDY, of lawful age, being duly sworn, deposes and says:

THAT he is the Secretary and Treasurer of the Banner Mining Company, a Nevada Corporation, and that he has been serving in that capacity for fifteen (15) years; that he is personally acquainted with the books and records of said Company and supervises the bookkeeping department of said Company; that he knows of his own personal knowledge that all bills of the Banner Mining Company for work done and materials purchased to and inclusive of April 30th, 1952, under D. M. A. Contract Number I-IBA-32, D. M. A. Docket 269-K-A pertaining to the Mineral Hill Property South of Tucson, Arizona, are fully paid.

FURTHER Affiant sayeth not.

DATED THIS 16th day of May, 1952.

W. H. Hardy

W. H. Hardy

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

Before me, the undersigned, a Notary Public in and for said County and State on this 16th day of May, 1952, personally appeared W. H. Hardy to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.

Dorothy Williams

Dorothy Williams, Notary Public

My commission Expires:
August 18th, 1955.

Banner Mining Company

Mineral Hill D M A Project

Payroll Reconciliation April 1952

Period 4-1-52 To 4-5-52 Inclusive	$ 688.73
Period 4-6-52 To 4-19-52 Inclusive	1,753.56
Period 4-6-52 To 4-19-52 Inclusive Paids	6.00
Period 4-20-52 To 4-30-52 Inclusive	1,543.71
Net Labor Applicable To Mineral Hill Project	$ 3,992.00

COPY

Banner Mining Company

Mineral Hill D M A Project

April 1952

EMPLOYEE	JOB CLASSIFICATION	RATE
Arnulfo R. Sanchez	Carpenter	$ 1.76
Paul M. Lopez	Helper	1.525
Valente M. Leal	Helper & Miner	1.525 & 1.695
Phillip F. Stevens Jr.	Mechanic Helper	1.65
Lorenzo C. Cruz	Helper	1.525
Juan C. Martinez	Hoistman	1.695
Leodoro Leal	Hoistman	1.695
Jose P. Campuzano	Shaftman	1.80
Jesse P. Bozarth	Miner	1.695
Manuel R. Campuzano	Helper	1.525
Robert C. Aguilar	Helper & Hoistman	1.525 & 1.695
Felix O. Tena	Miner	1.695
J. P. Ramirez	Electrician	2.00
H. M. Hodgers	Electrician	2.00
Benito M. Comacho	Helper	1.525
Duane W. Sprague	Mechanic	1.76
Mike Coronado	Shaftman	1.80
Antonio Ramonet	Miner	1.695
Robert H. McGee	Watchman	.75
Edgar Potts	Watchman	.75

Notes:- McGee the Watchman quit & was replaced by Edgar Potts.

The hours circled in red on the payrolls denotes evening shift. The rate is four cents per hour more than the day shift rate.

The hours circled in blue on the payrolls denote graveyard shift. The rate is eight cents per hour more than the day shift rate.

Eleven of these men worked part time on both the Mineral Hill Project and the Twin Buttes Project. These men were shifted from one project to the other according to particular daily needs of each property.

BANNER MINING COMPANY

TIME BOOK AND PAYROLL

LOCATION Tucson, Arizona DEPT. Mineral Hill D M A Project

PERIOD COVERED: FROM 4-1-52 TO 4-5-52 Incl.

SEMCO 1-47—3000 BANNER—FORM 100

No.	NAME		1	2	3	4	5	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITALIZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT					TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
3	Arnulfo R. Sanchez	Overtime—				8	12	20	1.76		35.20		.53										.53	34.67		
6	Phillip F. Stevens Jr.	Overtime—			8			8	1.65		13.20		.20										.20	13.00		
8	Juan Collaso Martinez	Overtime—	8	8	8	10	12	46	1.695		77.97		1.17										1.17	76.80		
10	Leodoro Leal	Overtime— 4	8	8	8	10	12	4 / 46	1.775 / 1.735	7.10 / 79.81	86.91		1.30										1.30	85.61		
11	Jose Preciado Campuzano	Overtime— 4	8	8	8	12	12	4 / 48	1.88 / 1.84	7.52 / 88.32	95.84		1.44										1.44	94.40		
15	Felix O. Tena	Overtime—	8	8	8	8	12	44	1.695		74.58		1.12										1.12	73.46		
20	Duane W. Sprague	Overtime—	8	8	8	8	8	40	1.76		70.40		1.06										1.06	69.34		
22	Mike Coronado	Overtime—	8	8	8	8	12	44	1.80		79.20		1.19										1.19	78.01		
4	Paul M. Lopez	Overtime— 4	8	8	8	10	x	4 / 34	1.605 / 1.565	6.42 / 53.21	59.63		.89										.89	58.74		
5	Valente Marquez Leal	Overtime—		8	8	8	8 / 7	8 / 31	1.565 / 1.525	12.52 / 47.28	59.80		.90										.90	58.90		
	Robert Henry McGee	Overtime—	8	8	8	12	12	48	.75		36.00		.54										.54	35.46		
		Overtime—									688.73		10.34										10.34	678.39		
		Overtime—																								
		Overtime—																								
		Overtime—																								
		Overtime—																								
	A. B. Bowman	Overtime—	Period 4-1-52 to 4-15-52 Incl. ½ of his time								190.50															
	E. E. Bray	Overtime—	"	"	"	"	"	"	"	"	137.50															
	B. W. Venable	Overtime—	"	"	"	"	"	" ½	"	"	60.00															
	E. C. Bowman	Overtime—	"	"	"	"	"	"			32.91															
											420.91															
		Overtime—																								
		Overtime—																								
		Overtime—																								
		Overtime—																								
		Overtime—																								

LOCATION Tucson, Arizona DEPT. Mineral Hill D H A Project

PERIOD COVERED: FROM 1-6-52 TO 1-19-52 Incl.

BANNER MINING COMPANY

TIME BOOK AND PAYROLL

SEMCO 1-47—3000

BANNER--FORM 100

No.	NAME		6	7	8	9	10	11	12	13	14	15	16	17	18	19	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT	Tax				TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
3	Arnulfo P. Sanchez	Overtime	8	x				2	8								18	1.75	✓	31.50	✓	.40										.40	31.20		
4	Paul M. Lopez	Overtime			8	8	8	8	12								44	1.565	✓	69.06	✓	1.03						22.10				23.13	45.73		
5	Valento Marquez Leal	Overtime	8	8	8	8	8	12		8	8	8	8	8	12		104	1.525	✓	158.60	✓	2.30						6.00				8.30	150.22		
6	Phillip W. Stevens Jr.	Overtime								8		8				10½	26½	1.65	✓	43.73	✓	.66						12.70				13.36	30.37		
7	Lorenzo G. Gris	Overtime	8						12		8	8	8	8	12	12	80 / 20	1.565 / 1.525	✓ 15.04 / 30.50	125.62	✓	1.50						10.00				11.50	94.04		
8	Juan Collado Martinez	Overtime	8	8	8	8	8	12		9½		8	8	8	8	12	110½	1.735	✓	191.20	✓	2.87						20.50				23.37	167.91		
10	Leodoro Leal	Overtime	8	8	8	8	8	12		8	8	8	8	8	8	12	12 / 92	1.775 / 1.605	✓ 21.30 / 147.44	177.24	✓	2.66						15.10				17.76	159.48		
11	Jose Precciado Campuzano	Overtime	8	8	8	8	8	12		8	8	8	8	8	12	12	12 / 104	1.80 / 1.00	✓ 21.60 / 104.00	209.76	✓	3.15						25.60				28.75	181.01		
15	Felix G. Tena	Overtime	8	8	8	8	8	12		8							0 / 52	1.695 / 1.735	✓ 13.56 / 90.24	103.80	✓	1.56						15.10				16.66	87.12		
20	Duane W. Sprague	Overtime	8	8	8	8	8	12		8	8	8	8½	12	12	3	3 / 117½	1.80 / 1.76	✓ 5.40 / 206.80	212.20	✓	3.18						7.10				10.28	201.92		
22	Mike Covonado	Overtime	8	8	8	8	8	12		9½							61½	1.84	✓	113.16	✓	1.70						17.40				19.10	94.06		
26	Edgar Potts	Overtime		8	8	8	8	8		8	8	8	8	8	12	12	104	.75	✓	78.00	✓	1.17						5.10				6.27	71.73		
16	J. P. Ramirez	Overtime					6						5				11	2.00	✓	22.00	✓	.33										.33	21.67		
17	H. D. Hodgers	Overtime					6			9½	2½		5				23	2.00	✓	46.00	✓	.69										.69	45.31		
18	Jesse Paul Rozarth	Overtime						8			0	8	8	8	12	12	60 / 16	1.735 / 1.695	✓ 83.28 / 27.12	110.40	✓	1.66						24.90				26.56	83.84		
24	Antonio Ramonet	Overtime								9½							9½	1.735	✓	16.40	✓	.25										.25	16.23		
14	Robert O. Aguilar	Overtime												8	8	8	2 / 24	1.565 / 1.525	✓ 3.13 / 36.60	39.73	✓	.60										.60	39.13		
13	Manuel Nuelas Campuzano	Overtime														8	8	1.525	✓	12.20	✓	.18										.18	12.02		
19	Benito Martinez Comacho	Overtime														8	8	1.605	✓	12.84	✓	.19										.19	12.65		
		Overtime																		1,753.56	✓	26.22						101.60				207.92	1,545.64		
		Overtime																																	
		Overtime																																	
	Robert Henry McCoe	Overtime	8														8	.75	✓	6.00	✓	.09										.09	5.91	1341	PAID
		Overtime																																	

BANNER MINING COMPANY

TIME BOOK AND PAYROLL

LOCATION Tucson, Arizona DEPT. Mineral Hill D M A Project

PERIOD COVERED: FROM 4-20-52 TO 4-30-52 Incl.

SEMCO 1-47—3000

BANNER--FORM 100

No.	NAME		20	21	22	23	24	25	26	27	28	29	30	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT					TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
5	Valento Marquez Leal	Overtime—	8	8	8	8	8	12	12	8	8	8	8	96	1.695		162.72		2.44										2.44	160.28		
7	Lorenzo C. Cruz	Overtime—	8	8	8	8	8	12	12	x	x	x	8	72	1.565		112.68		1.69										1.69	110.99		
8	Juan Collaso Martinez	Overtime— 1	8	8	8	8	8	12	12	8	8	8	8	96	1.735		168.26		2.52										2.52	165.74		
12	Jesse Paul Bozarth	Overtime—	8	8	8	8	8	12	12	8	8	8	8	96	1.735		166.56		2.50										2.50	164.06		
10	Leodoro Leal	Overtime—	8	8	8	8	8	12	12	8	8	8	8	96	1.775		170.40		2.56										2.56	167.84		
11	Jose Preciado Campuzano	Overtime— 3	8	8	8	8	8	12	12	8	x	x	8	3 80	1.84 1.88		155.92		2.34										2.34	153.58		
13	Manuel Ruelas Campuzano	Overtime— 8 8	8	8	8	8	8	12	12	8	8	8	12	16 100	1.605 1.525		178.18		2.67										2.67	175.51		
14	Robert C. Aguilar	Overtime—	8	8	8	8	8	12	12	8	7	8	8	95	1.695		161.03		2.42										2.42	158.61		
19	Benito Martinez Comacho	Overtime—	8	8	8	8	8	12	12	8	8	8	8	96	1.605		154.08		2.31										2.31	151.77		
26	Edgar Potts	Overtime—	8	8	8	8	8	12	12	8	8	8	8	96	.75		72.00		1.08										1.08	70.92		
16	J. P. Ramirez	Overtime—					3							3	2.00		6.00		.09										.09	5.91		
17	H. M. Hodgers	Overtime—					3					8		11	2.00		22.00		.33										.33	21.67		
15	Felix O. Tena	Overtime—								8				8	1.735		13.88		.21										.21	13.67		
		Overtime—															1,543.71		23.16										23.16	1,520.55		
		Overtime—																														
		Overtime—																														
		Overtime—																														
	A. B. Bowman	Overtime—	Period 4-16-52 to 4-30-52 Incl. ½ of his time														19.050															
	E. B. Bray	Overtime—	"	"	"	"	"	"	"	"	"	"	"				13.750															
	B. W. Venable	Overtime—	"	"	"	"	"	"	"	"	½	"	"				6.000															
	E. C. Bowman	Overtime—	"	"	"	"	"	"									32.92															
		Overtime—															$70.92															
		Overtime—																														
		Overtime—																														
		Overtime—																														

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

224 New Customhouse
Denver 2, Colorado

May 1, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 269X-A, Contract I-DMA-E32, Banner Mining Company, Mineral Hill Project, Pima County, Arizona

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the month of March, 1952, pertaining to DMA Docket 269X-A, Contract I-DMA-E32, Banner Mining Company.

J. F. Shaw
J. F. Shaw, for
J. H. East, Jr.

Enclosures

ld

cc: Contract, chron.
Koschmann
Storms

Schedule DMA 52-45

April 24, 1952

$3594.45

4-25-52

AFFIDAVIT

STATE OF OKLAHOMA)
COUNTY OF OKLAHOMA) SS

W. H. HARDY, of lawful age, being duly sworn, deposes and says:

THAT he is the Secretary and Treasurer of the Banner Mining Company, a Nevada Corporation, and that he has been serving in that capacity for fifteen (15) years; that he is personally acquainted with the books and records of said Company and supervises the bookkeeping department of said Company; that he knows of his own personal knowledge that all bills of the Banner Mining Company for work done and materials purchased to and inclusive of March 31st, 1952, under B. M. A. Contract Number I-DM-32, B. M. A. Docket 269-B-A pertaining to the Mineral Hill Property South of Tucson, Arizona, are fully paid.

FURTHER Affiant sayeth not.

DATED this 15th day of April, 1952.

W. H. Hardy
W. H. Hardy

STATE OF OKLAHOMA)
COUNTY OF OKLAHOMA) SS

Before me, the undersigned, a Notary Public in and for said County and State on this 15th day of April, 1952, personally appeared W. H. Hardy to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.

Dorothy Williams
Dorothy Williams, Notary Public

My Commission Expires:
August 18th, 1955.

Mining Division
Region IV

April 17, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 269X, Contract I-DMA-E32, Banner Mining Co., Mineral Hill Project, Pima County, Arizona - Operator's Monthly Progress Report for the period of March, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $3,594.47, which is 50 percent of the total of $7,188.~~93~~ .89.

This total reflects a deduction of $3.03 from wages paid Esteban Sanchez. He is listed as a helper at $1.525, but is paid at the rate of $1.565. This could easily mean that he worked the 74½ hours on the evening shift but it is not shown as such. Since we have no way of determining this, we are disallowing $2.99 from his wages, plus $0.04 F.O.A.B.

The mechanic-helper, Stevens, is allowed as being in the semi-skilled shopman classification.

W. H. King
W. H. King

Enclosures

WHD:oo

cc: Secretary to the Operating Committee
WRStorms
DMA Contract
DMA Chron.
A. H. Koschmann (2)

MINING DIVISION
REGION IV

April 14, 1952

Memorandum

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

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : March 1952 Progress Report, DMA Docket 269X A, Contract I-DMA-E32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quadruplicate are the following items for the above contract:

(1) Bureau of Mines engineers report;

(2) Operator's progress report;

(3) Form MF-104

Also enclosed are 2 extra copies of our engineers report.

As all costs conform to the contract, I recommend that the Government's share be paid.

Walter R. Storms

Walter R. Storms

CC W. H. King (5)
DMA-269X A
DF

WRStorms:frj

MINING DIVISION
REGION IV

April 14, 1952

Memorandum

To : Walter R. Storms, Chief, Arizona-New Mexico Br.

From : Lincoln A. Stewart, Tucson, Arizona

Subject : Monthly progress report for March 1952, Banner Mining Co., Mineral Hill Copper Project, Pima County, Ariz. Docket No. 269X-A, Contract I-DMA-E32

I visited the above project on April 8 to check progress. After looking over the records in the company office, Allen Bowman accompanied me on an inspection tour of the property. We went down the inclined shaft for 435 feet to the present water level. Progress is as indicated in Bowman's narrative report.

ANALYSIS OF ENTRIES ON FORM MF-104

Item 1(b). Represents ½ the cost of electrical supplies for the combination change room-shop building.

Item 2(b). Contract depreciation on items listed.

Item 4. The payroll sheets have been checked in detail. Labor classifications and wages are within contract specifications.

Item 5. Contract salaries.

Item 6 (a & B). Charges against timber and explosives used in shaft rehabilitation.

Item 6(d) Includes 11 timber carriage rollers for crosscut saw, 4- and 2-inch pipe and fittings, rails, hanger rods, hose and connections, and rewinding of burnt-out stator of 50-HP pump motor, and minor items.

Item 7. Power charge, total $298.61, less 20 percent rebate of $59.72, plus 1 percent tax.

Item 8. Freight on shovels and iron bolts from El Paso, Texas.

CC W. H. King (5)
DMA-269X-A
DF

WRStorms:frj

April 9th, 1952

Defense Minerals Administration
22h New Custom House Building
Denver 2, Colorado

Re:- D.M.A. Contract Number I-DMA-E-~~33~~ 32- DMA Docket 269-X-A Pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:

Work was continued on this project during the month of March 1952 and the following is a list of amounts completed during this period:-

1. Extra shaft timbers and ladders were framed during the month.

2. The installation of the power cut-off saw in the shop building was 95% complete by the end of March 1952.

3. A second Ingersoll Rand 2 HP Motor Pump together with discharge and suction hoses were installed in the incline shaft at the beginning of the month.

4. The unwatering of the incline shaft proceeded during the month to a depth of 4h feet below the collar on March 31st, 1952. The shaft was timbered and pipe and track were installed as we went ahead. It was necessary to do considerable cracking and cleanup work as the shaft passed through the ore zone commencing at a point about 1[illegible] feet below the collar. This ore zone was very soft and the shaft opening was made as large as usual. This required considerable extra timber in order to make it safe and passable.

The old shaft sets were encountered at a point about 335 feet below the collar and we have made a connection with them.

5. A pump station was cleaned out and timbered in preparation for a station pump.

6. A sump for use with the above station pump was cut into the hanging wall of the shaft. Because of the porosity it was necessary to plaster both walls and bottom of this sump to make it waterproof. A 6.5 foot concrete dam was built across the front of the sump.

7. Upon encountering the old shaft sets we found our new sets were not in alignment. We have commenced work on moving our sets to conform with the old. We will do this aligning work at odd times when we are held up on other work in the shaft. The engineer surveyed the shaft to get the proper information for alignment.

5. The power was off twice during the month. Once for a period of 6½ hours, making it very inconvenient for us while unwatering the shaft.

This letter is intended as a narrative report showing progress and work accomplished during the month.

Payrolls covering the month, together with classification information, and a reconciliation report are enclosed with the form # F-104.

Very truly yours,

Banner Mining Company

A. B. Bowman

A.B.:ech

COPY

Banner Mining Company

Mineral Hill DMA Project

March 1952

EMPLOYEE	JOB CLASSIFICATION	RATE
Arnulfo R. Sanchez	Carpenter	$ 1.76
Phillip F. Stevens Jr.	Mechanic Helper	1.65
Lorenzo C. Cruz	Helper	1.525
Juan C. Martinez	Hoistman	1.695
Leodoro Leal	Hoistman	1.695
Jose P. Campuzano	Shaftman	1.80
Rafael C. Ortega	Miner	1.695
Felix O. Tena	Hoistman	1.695
Gerardo Galvez	Helper	1.525
Duane W. Sprague	Mechanic	1.76
Mike Coronado	Shaftman	1.80
J. P. Ramirez	Electrician	2.00
H. M. Hodgers	Electrician	2.00
Esteban Sanchez	Helper	1.525
Faustino Sanders	Helper & Miner	1.525 & 1.695
Enrique S. Perez	Helper	1.525
Alfredo R. Mendez	Shaftman	1.30
Paul M. Lopez	Helper	1.525
Jesus L. Felix	Hoistman	1.695

Note:- Jesus L. Felix worked in place of Felix O. Tena on March 8, 1952 as hoistman.

Esteban Sanchez left our employ and was replaced by Paul M. Lopez.

The hours circled in red on the payrolls denote evening shift. The rate is four cents per hour more than the day shift rate.

The hours circled in blue on the payrolls denote graveyard shift. The rate is eight cents per hour more than the day shift rate.

Ten of these men worked part time on both the Mineral Hill Project and the Twin Buttes Project. These men were shifted from one project to the other according to particular daily needs of each property.

Banner Mining Company

Mineral Hill DMA Project

Payroll Reconciliation March 1952

Period 3/1/52 to 3/8/52 Inclusive	$ 1,373.27
Period 3/9/52 to 3/22/52 Inclusive	1,744.03
Period 3/9/52 to 3/22/52 Inclusive (Paids)	238.22
Period 3/23/52 to 3/31/52 Inclusive	584.65
Period 3/23/52 to 3/31/52 Inclusive (Paids)	76.16
Grand Total	$ 4,016.33
Less:- One Half Labor on Shop & Changeroom for March	24.22
Net Labor Applicable to Mineral Hill Project	$ 3,992.11

COPY

Mining Division
Region IV

April 17, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 269X, Contract I-DMA-E32, Banner Mining Co., Mineral Hill Project, Pima County, Arizona - Operator's Monthly Progress Report for the period of March, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $3,594.47, which is 50 percent of the total of $7,188.~~93~~ .89.

This total reflects a deduction of $3.03 from wages paid Esteban Sanchez. He is listed as a helper at $1.525, but is paid at the rate of $1.565. This could easily mean that he worked the 74½ hours on the evening shift but it is not shown as such. Since we have no way of determining this, we are disallowing $2.99 from his wages, plus $0.04 F.O.A.B.

The mechanic-helper, Stevens, is allowed as being in the semi-skilled shopman classification.

W. H. King
W. H. King

Enclosures

WID:oo

cc: Secretary to the Operating Committee
WRStorms
DMA Contract
DMA Chron.
A. H. Koschmann (2)

MINING DIVISION
REGION IV

April 14, 1952

Memorandum

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

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : March 1952 Progress Report, DMA Docket 269X A, Contract I-DMA-E32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quadruplicate are the following items for the above contract:

(1) Bureau of Mines engineers report;

(2) Operator's progress report;

(3) Form MF-104

Also enclosed are 2 extra copies of our engineers report.

As all costs conform to the contract, I recommend that the Government's share be paid.

Walter R. Storms

Walter R. Storms

CC W. H. King (5)
DMA-269X A
DF

WRStorms:frj

MINING DIVISION
REGION IV

April 14, 1952

Memorandum

To : Walter R. Storms, Chief, Arizona-New Mexico Br.

From : Lincoln A. Stewart, Tucson, Arizona

Subject : Monthly progress report for March 1952, Banner Mining Co., Mineral Hill Copper Project, Pima County, Ariz. Docket No. 269X-A, Contract I-DMA-E32

I visited the above project on April 8 to check progress. After looking over the records in the company office, Allen Bowman accompanied me on an inspection tour of the property. We went down the inclined shaft for 435 feet to the present water level. Progress is as indicated in Bowman's narrative report.

ANALYSIS OF ENTRIES ON FORM MF-104

Item 1(b). Represents ½ the cost of electrical supplies for the combination change room-shop building.

Item 2(b). Contract depreciation on items listed.

Item 4. The payroll sheets have been checked in detail. Labor classifications and wages are within contract specifications.

Item 5. Contract salaries.

Item 6 (a & B). Charges against timber and explosives used in shaft rehabilitation.

Item 6(d) Includes 11 timber carriage rollers for crosscut saw, 4- and 2-inch pipe and fittings, rails, hanger rods, hose and connections, and rewinding of burnt-out stator of 50-HP pump motor, and minor items.

Item 7. Power charge, total $298.61, less 20 percent rebate of $59.72, plus 1 percent tax.

Item 8. Freight on shovels and iron bolts from El Paso, Texas.

CC W. H. King (5)
DMA-269X-A
DF

WRStorms:frj

April 9th, 1952

Defense Minerals Administration
224 New Custom House Building
Denver 2, Colorado

Re:- D.M.A. Contract Number I-DMA-E-~~33~~ 32 - DMA Docket 269-X-A Pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:

Work was continued on this project during the month of March 1952 and the following is a list of amounts completed during this period:-

1. Extra shaft timbers and ladders were framed during the month.

2. The installation of the power cut-off saw in the shop building was 95% complete by the end of March 1952.

3. A second Ingersoll Rand 2 HW Motor Pump together with discharge and suction hoses were installed in the incline shaft at the beginning of the month.

4. The unwatering of the incline shaft proceeded during the month to a depth of 414 feet below the collar on March 31st, 1952. The shaft was timbered and pipe and track were installed as we went ahead. It was necessary to do considerable sucking and cleanup work as the shaft passed through the ore zone commencing at a point about 340 feet below the collar. This ore zone was very soft and the shaft opening was made as large as usual. This required considerable extra timber in order to make it safe and passable.

The old shaft sets were encountered at a point about 335 feet below the collar and we have made a connection with them.

5. A pump station was cleaned out and timbered in preparation for a station pump.

6. A sump for use with the above station pump was cut into the hanging wall of the shaft. Because of the porosity it was necessary to plaster both walls and bottom of this sump to make it waterproof. A 6.5 foot concrete dam was built across the front of the sump.

7. Upon encountering the old shaft sets we found our new sets were not in alignment. We have commenced work on moving our sets to conform with the old. We will do this aligning work at odd times when we are held up on other work in the shaft. The engineers surveyed the shaft to get the proper information for alignment.

3. The power was off twice during the month. Once for a period of 6½ hours, making it very inconvenient for us while unwatering the shaft.

This letter is intended as a narrative report showing progress and work accomplished during the month.

Payrolls covering the month, together with classification information, and a reconciliation report are enclosed with the form M F-104.

Very truly yours,

Banner Mining Company

A. B. Bowman

A.B.:ceh

COPY

Banner Mining Company

Mineral Hill DMA Project

March 1952

EMPLOYEE	JOB CLASSIFICATION	RATE
Arnulfo R. Sanchez	Carpenter	$ 1.76
Phillip F. Stevens Jr.	Mechanic Helper	1.65
Lorenzo C. Cruz	Helper	1.525
Juan C. Martinez	Hoistman	1.695
Leodoro Leal	Hoistman	1.695
Jose P. Campuzano	Shaftman	1.80
Rafael C. Ortega	Miner	1.695
Felix O. Tena	Hoistman	1.695
Gerardo Galvez	Helper	1.525
Duane W. Sprague	Mechanic	1.76
Mike Coronado	Shaftman	1.80
J. P. Ramirez	Electrician	2.00
H. M. Hodgers	Electrician	2.00
Esteban Sanchez	Helper	1.525
Faustino Sanders	Helper & Miner	1.525 & 1.695
Enrique S. Perez	Helper	1.525
Alfredo R. Mendez	Shaftman	1.80
Paul M. Lopez	Helper	1.525
Jesus L. Felix	Hoistman	1.695

Note:- Jesus L. Felix worked in place of Felix O. Tena on March 8, 1952 as hoistman.

Esteban Sanchez left our employ and was replaced by Paul M. Lopez.

The hours circled in red on the payrolls denote evening shift. The rate is four cents per hour more than the day shift rate.

The hours circled in blue on the payrolls denote graveyard shift. The rate is eight cents per hour more than the day shift rate.

Ten of these men worked part time on both the Mineral Hill Project and the Twin Buttes Project. These men were shifted from one project to the other according to particular daily needs of each property.

Banner Mining Company

Mineral Hill DMA Project

Payroll Reconciliation March 1952

Period 3/1/52 to 3/8/52 Inclusive	$ 1,373.27
Period 3/9/52 to 3/22/52 Inclusive	1,744.03
Period 3/9/52 to 3/22/52 Inclusive (Paids)	238.22
Period 3/23/52 to 3/31/52 Inclusive	584.65
Period 3/23/52 to 3/31/52 Inclusive (Paids)	76.16
Grand Total	$ 4,016.33
Less:- One Half Labor on Shop & Changeroom for March	24.22
Net Labor Applicable to Mineral Hill Project	$ 3,992.11

COPY

LOCATION Tucson, Arizona DEPT. Mineral Hill D M & Proj.

PERIOD COVERED: FROM 3-1-52 TO 3-8-52 Incl.

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000 BANNER--FORM 100

	No.	NAME		1	2 3 4 5 6 7 8	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITALIZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT					TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
Carpenter		Arnulfo R. Sanchez		8	8 8 8 3 8 12	55	1.76	✓	96.80		1.45										1.45	95.35		
			Overtime			8	1.84	✓																
Stoker		Alfredo R. Mendez		12	8 × (8 1.84 / 8 1.80) 8 12 12	68	1.80	✓	137.12		2.06										2.06	135.06		
Mechanic Helper		Phillip F. Stevens Jr.		12	4 4 8 10	38	1.65	✓	62.70		.94										.94	61.76		
Helper		Lorenzo C. Cruz		12	8 × 8 8 4	40	1.525	✓	61.00		.92										.92	60.08		
Foreman		Teodoro Leal		(12)	(8) (8) 8 8 8 11½ 12	74½	1.735	✓	129.26		1.94										1.94	127.32		
Shaftman		Jose Campuzano		(12)	(8) (8) × (8) (8) (8) 11½	62½	1.84	✓	115.00		1.73										1.73	113.27		
Miner		Rafael C. Ortega		8	8 8 8 3 × 8	43	1.695	✓	72.89		1.09										1.09	71.80		
Foreman		Felix O. Tena		12	8 8 8 8 8 12 ×	64	1.695	✓	108.48		1.63										1.63	106.85		
Oiler		J. P. Ramirez		4½	4½ 2½	11½	2.00	✓	23.00		.35										.35	22.65		
Oiler		H. M. Hodges		4½	4½ 2½	11½	2.00	✓	23.00		.35										.35	22.65		
Helper		Gerardo Galvez			× 8 8 4	20	1.525	✓	30.50		.46										.46	30.04		
			Overtime			8	1.84	✓																
Mechanic		Duane W. Sprague			8 (8 1.76 / 8 1.84) 11½	27½	1.80 / 1.76	✓	59.92		.90										.90	59.02		
Helper		Estoban Sanchez		(12)	(8) (8) (8) (8) 11½ 12	74½	1.565	✓	116.60		1.75										1.75	114.85		
Helper		Faustino Sandoval		12	8 8 8 8 8 12 12	76	1.525	✓	115.90		1.74										1.74	114.16		
Helper		Enrique Salgado Perez			(8) (8) (8) (12)	40	1.605	✓	64.20		.96										.96	63.24		
Foreman		Juan Collazo Martinez			(8) (8) (8) (12)	36	1.775	✓	63.90		.96										.96	62.94		
Shaftman		Mike Coronado			(8) (8) (12) (12)	40	1.88	✓	75.20		1.13										1.13	74.07		
Foreman		Jesus Lizzarraga Felix			10½	10½	1.695	✓	17.80		.27										.27	17.53		
			Overtime																					
			Overtime						1373.27		20.63										20.63	1352.64		
			Overtime																					
Bookkeeper		G. F. M. Bowman		Period 3-1-52 to 3-15-52 Incl. 1/6 of his salary					32.91	✓														
Eng.			Overtime																					
		B. W. Venable		" "	" " 1/8 " "	"			60.00	✓														
			Overtime																					
Supt.		G. B. Bowman		Period 3-1-52 to 3-15-52 Incl. 1/12 of his salary					190.50	✓														
			Overtime																					
Foreman		E. E. Bray		" " " " " "					137.50	✓														

4 10.91

LOCATION Tucson, Arizona DEPT. Mineral Hill DMA Project

PERIOD COVERED: FROM March 9, 1952 TO March 22, 1952 Inclusive

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000 BANNER--FORM 100

No.	NAME	9 10 11 12 13 14 15	16 17 18 19 20 21 22	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT	W Tax			TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
3	Arnulfo R. Sanchez Overtime—	x x 8 8 4		20	1.76		35.20	✓	.53									.53	34.67	32988	Arnulfo R. Sanchez
6	Phillip F. Stevens Jr. Overtime—	x 4 4 4 8	x x 4	24	1.65		39.60	✓	.59									.59	39.01	32989	Phil. Stevens Jr.
7	Lorenzo C. Cruz Overtime—	x x 8	8 8 12	36	1.525		54.90	✓	.82									.82	54.08	32990	L Cruz
8	Juan Collaso Martinez Overtime—	8 8 8 8 8 12 12 3/4	8½ 8½ 8 8 9 12 12	114 3/4	1.735	16.1695	226.21	✓	3.39						29.60			32.99	193.22	32991	Juan C. Martinez
10	Leodoro Leal Overtime—	8 8 8 8 8 12 12	8 8 8 8 8 12 12	112	1.695	16.1735	217.60	✓	3.26						22.50			25.76	191.84	32992	Leodoro Leal
11	Jose Preciado Campuzano Overtime—	8 8 8 8 8 12 12	8 8 8 8 8 7½ 12 (4½)	128	1.80	4½ 1.84	238.68	✓	3.58						31.60			35.18	203.50	32993	Jose Campuzano
14	Rafael C. Ortega Overtime—	x x 8 8 8 8 8	8 8 8 8 8 8 x	80	1.695		135.60	✓	2.03						21.70			23.73	111.87	32994	R. Ortega
15	Felix O. Tena Overtime—	8 8 8 8 8 12 x	x x x 8 8 8 8	32	1.735	5.2 1.775	147.82	✓	2.22				Boots	7.50	8.70			18.42	129.40	32995	Felix Tena
19	Gerardo Galvez Overtime—	x 8 8	8	24	1.525		36.60	✓	.55									.55	36.05	32996	Gerardo M. Galvez
20	Duane W. Sprague Overtime—	x 8 8 8 8 4 3	8 8 8 x x	63	1.76		110.88	✓	1.66									1.66	109.22	32997	Duane Sprague
22	Mike Coronado Overtime—	8 8 8 8 8 12 12 3/4	8½ 8½ 8 8 9 12 12	130 3/4	1.84		240.58	✓	3.61						21.40			25.01	215.57	32998	Mike Coronado
27	Esteban Sanchez Overtime—	8 8 8 8 8 12 12	8 8 x 8 8 8 12	116	1.525		176.90	✓	2.65						14.30			16.95	159.95	32999	Esteban M. Sanchez
28	Faustino Sanders Overtime—	8 8 8 8 8 12 x	x x	52	1.605		83.46	✓	1.25									1.25	82.21	33000	Faustino Sanders
	Overtime—						1,744.03	✓	26.14					7.50	149.80			183.44	1,560.59		
	Overtime— MINERAL HILL DMA PROJECTS PAIDS												MINERAL HILL DMA PROJECT PAIDS								
4	Enrique Salgado Perez Overtime—	8 8 8 8 8 12 12 3/4	8½ 8½ 8	69 3/4	1.565		140.46	✓	2.11									2.11	138.35	1330	PAID
5	Alfredo R. Mendez Overtime—	8 8 8 8 8 12 x		52	1.88	✓	97.76	✓	1.47									1.47	96.29	1329	PAID
	Overtime—						238.22	✓	3.58									3.58	234.64		
	Overtime—																				
	E. E. Bray Overtime—	Period 3/16/52 to 3/31/52 1/2 of his time.					137.50	✓					Soap	.50							
	A. B. Bowman Overtime—	Period 3/16/52 to 3/31/52 1/2 of his time.					190.50	✓					Soap	.50							
	F. M. Bowman Overtime—	Period 3/16/52 to 3/31/52 1/6 of his time					32.92	✓													
	B. W. Vengble Overtime—	Period 3/16/52 to 3/31/52 1/8 of his time.					60.00	✓													
									4,201.92												

LOCATION Tucson, Arizona DEPT. Mineral Hill D M A Project

PERIOD COVERED: FROM 3-23-52b TO 3-31-52 Incl.

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000

BANNER--FORM 100

No.	NAME	23	24	25	26	27	28	29	30	31	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITALIZATION	ADVANCES	BOARD	DEDUCTIONS OTHER DEDUCTIONS ITEM	AMOUNT					TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
6	Phillip F. Stevens Jr.					9					9	1.65	14.85	14.85	✓	.22										.22	14.63		
7	Lorenzo C. Cruz					8					8	1.525	12.20	12.20	✓	.18										.18	12.02		
8	Juan Collaso Martinez	8	8	8	8	8	13½		4	8	4 61½	1.735 1.695		111.18	✓	1.67										1.67	109.51		
10	Leodoro Leal	8	8	8	8	8	x			8	48	1.735		83.28	✓	1.25										1.25	82.03		
11	Jose Preciado Campuzano	8	8	8	8	8	x		4	8	52	1.84		95.68	✓	1.44										1.44	94.24		
15	Felix O Tena	8	8	8	8	8	13½			8	61½	1.695		104.24	✓	1.56										1.56	102.68		
22	Mike Coronado	8	8	8	8	8	13½			8	61½	1.80		110.70	✓	1.66										1.66	109.04		
16	J. P. Ramirez	4½		5½							10	2.00		20.00	✓	.30										.30	29.70		
17	H. M. Hodgers	4½		5½							10	2.00		20.00	✓	.30										.30	29.70		
4	Paul M. Lopez									8	8	1.565		12.52	✓	.19										.19	12.33		
														584.65	✓	8.77										8.77	575.88		
14	Rafael C. Ortega					8					8	1.695		13.56	✓	.20						5.90				6.10	7.16		PAID
27	Esteban Sanchez	8	8	8	8	8	x				40	1.565		62.60	✓	.94										.94	61.66		PAID
														76.16	✓	1.14						5.90				7.04	69.12		

Overtime—

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 32

Name of Operator Banner Mining Company
Docket No. DMA 269- X- A
Total Contract Amount $126,789.00
Government Participation: 50 % Amount, $63,394.50
Distribution of Expenditures for Month of March 1952

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

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

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

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1952

CERTIFICATION

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

Banner Mining Company
(Name of Company)

By A. S. Sowman
(Signature of Authorized Official)

April 9th, 1952
(Date)

Manager
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings	10.99	3,038.42	3,049.41	10.99	3038.42	3049.41
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	None	2,165.25	2,165.25	---	2165.25	2165.25
(b) Rented[2] Mine Car 1.25	73.73	493.54	567.27	73.73	493.54	567.27
Hoist & Motor 41.66						
1 50HP Motor Pump 20.83						
Conctete Mixer 4.16						
Cut Off Saw 5.83						
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

16—64068-3

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

Administrative Audit Difference Statement

Date: April 21, 1951
Payee's
Reference: Progress Report
March 1952

Banner Mining Company
2042 Conner Stravenue
Tucson, Arizona

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

Amount claimed $ 7,191.92

Difference $ - 3.03

Amount Approved $ 7,188.89

The reason for the difference was due to:

Esteban Sanchez paid at the rate of $1.565 per hour. Inasmuch as the payroll did not indicate that he worked evening shift, we have disallowed $.04 per hour plus $0.04 FOAB. $3.03

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV - B&F Form No. 4
4-15-52 D

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	3,992.11	13,785.47	17,777.58	3989.12	13,785.47	17,774.59
5. Supervision Eng. For. Bk.	841.83	2,725.13	3,566.96	841.83	2725.13	3566.96
6. Supplies						
(a) Timber	392.12	1,841.57	2,233.69	392.12	1841.57	2233.69
(b) Explosives	9.20	60.18	69.38	9.20	60.18	69.38
(c) Repair Parts						
(d) Other	975.01	6,809.79	7,784.80	975.01	6809.79	7784.80
7. Power	241.88	10,471.88	10,713.76	241.88	10,471.88	10,713.76
8. Transportation	2.47	134.50	136.97	2.47	134.50	136.97
9. Insurance						
Unemploy. Ins. 2%	96.68	330.21*	426.89	96.68	330.21	426.89
(a) ~~Fire~~						
(b) Public Liability						
(c) Workmen's Compensation 10%	483.39	1,651.06 *	2,134.45	483.39	1651.06	2134.45
Soc. Security 1½%	72.51	235.77 *	308.28	72.47	235.77	308.24
10. Contract Work						
11. Other (specify)						
Total	7,191.92	43,742.77	50,934.69	~~7188.89~~	43,742.77	
Deletions				- 3.03		
Adjusted totals				7188.89	43,742.77	50,931.66
Totals previously reported				43,742.77		
Totals to date				50,931.66		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Lenoir A. Stewart WRB
Amount approved for payment
Remarks

16—64068-3

* At the bottom of the February Report we deducted $ 1.81 for a labor overcharge on the January Report. This Figure of $ 1.81 represented overcharge as follows: Labor $1.60, Compensation Insurance .16¢, Unemployment Insurance .03¢ and Social Security RTaxes of .02¢. These respective amounts have been deducted from the " Totoal Previously Reported" this month in order to bring them up to date.

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF March 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden	✓	✓	✓	✓		✓				
Rehabilitation and preparation	4,833.94	73.73	1,376.33	907.52	7,191.52					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	4,833.94	73.73	1,376.33	907.52	7,191.52					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

OFFICE OF THE ADMINISTRATOR

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

224 New Customhouse
Denver 2, Colorado

March 28, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 269X-A, Contract I-DMA-E32, Banner Mining Company, Pima County, Arizona

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report and Inspecting Engineer's Narrative Report, and other supporting data for the month of February, 1952, pertaining to DMA Docket 269X-A, Contract I-DMA-E32, Banner Mining Company.

W. H. King

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

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 3 - 1952

Mining Division
Region IV

March 21, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 269X-A, Contract I-DMA-232, Banner [redacted] Mining Co., Pima County, Arizona - Operator's Monthly Progress Report for the month of February, 1952

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

Work accomplished is in accordance with the contract and payment is recommended for the amount of $2,465.54, which is 50 percent of the total of $4,931.07.

An amendment is in process, effective December 21, 1951, amending the amendment dated February 16, 1952, that will increase the labor schedule by 3 miners, 3 helpers, and 1 hoistman. This amendment will allow the labor classifications as shown on the payroll sheets.

W. H. KING

W. H. King

Enclosures

WLD:oc

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

Mining Division
Doc. Branch
MAR 17 1952
BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

March 14, 1952

Memorandum

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

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : February 1952 Progress Report, DMA Docket 269XA, Contract I-DMA-E32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quadruplicate are the following for the above contract:

(1) Bureau of Mines engineer's report;
(2) Company's progress report;
(3) Form MF-104

Also enclosed are 2 extra copies of our engineer's report.

I recommend that the Government's share of these costs be paid.

Walter R. Storms

Walter R. Storms

CC W. H. King (5)
DMA-269XA
DF

WRStorms:frj

MINING DIVISION
REGION IV

March 13, 1952

Memorandum

To : Walter R. Storms, Chief, Arizona-New Mexico Branch

From : Lincoln A. Stewart, Mining Engineer, Arizona-New Mexico Br.

Subject : Monthly progress report for February 1952. Banner Mining Co., Mineral Hill Copper Project, Docket No. 269X-A, Contract I-DMA-E-32, Pima County, Ariz.

On March 7, accompanied by Wm. T. Griswold, I visited the subject project to check progress. In company with Allen Bowman we looked over the surface installations and went down the inclined shaft to the 370-foot level. Progress is as indicated in Bowman's report.

Analysis of entries on Form MF-104

Item 1 (b) Represents electrical supplies for the combination change room-shop building, and represents 1/2 of the cost of supplies used, according to contract.

Item 2 (a) Cost of a Yale 2-ton screw geared chain hoist. In exhibit C the estimate was set at $75, but Bowman said a smaller hoist was not obtainable. The hoist is in temporary use raising and lowering the shaft pump. When the unwatering is completed the hoist will be used at the shop.

Item 2b Allowable monthly depreciation of contracted equipment.

Item 4 Labor. See discussion at end of report.

Item 5 Contract salaries, - superintendent, foreman, and bookkeeper.

Item 6a Timber for shaft rehabilitation.

(b) One "pop-shot".

(d) The warehouse list of withdrawals was inspected. Numerous items included 4-inch and 2-inc pipe, victaulic couplings, hose, hanger rods, electric cable, miscellaneous bolts, fittings, etc. All items applicable under rehabilitation of shaft.

CC W. H. King
DMA 269X-A
DF

LAStewart:frj

Item 7. Power charge, minimum $225 less 20 percent, or $180 plus tax of $2.25.

Item 8. Freight on contract 50 HP centrifugal pump from factory, $106.19, mine rail and splices $25.24, minor items, $3.07.

Item 9. Payroll taxes in order.

Discussion of payrolls.

According to request in King's memo of February 20, the operator has submitted "plus overlap breakdown" for Jan. 27 thru 31, although it appears undifferentiated on payroll of period Jan. 27 to Feb. 9. This now becomes a "less" overlap. According to the original contract Exhibit D, there is no classification of mechanics helper 1st class at $1.495 nor for a miner at $1.495. However, the amended labor schedule, effective Dec. 21, 1951 gives classification of miner and semi-skilled shopman, and the latter may be considered synonymous with mechanic's helper, first class. The full amended rate was not granted until the period starting February 10. The reason for this was explained by Bowman as follows: when the adjacent Eagle Picher Mining & Smelting Co. started negotiations in October 1951 with their union for increased wages, Banner had to follow suit. The Wage Stabilization Board granted permission for increased wages to Banner about the first of February, so the new rates were applied to the next pay period.

The Tucson office has not yet received copy of the January voucher but Bowman states that Banner has received payment for January with no deductions. Inasmuch as Denver has accepted the above classification and wage rates for January, it is assumed that the payroll for January 27 through February 9 is in order by virtue of precedent.

The payrolls for February 10 - 23 and 24 - 29 show contract classifications and wages except for the same item of mechanic helper, 1st class. It will be noted that Stevens is not a full time project employee, but is taken from the Banner production operation as required. From February 10 to the end of the month he was employed by the project for only 3½ days. Bowman states that Stevens is being trained to become a semi-skilled shopman but has not yet reached the degree of efficiency to be classified at the higher rate.

Except for the one questionable classification and the under-contract wage rates for Feb. 1 to 10, the entire report is according to contract. As the above exceptions appear to have been approved by Denver in January, the writer is approving the report.

The usual affidavit relative to payment of February bills will be sent to Denver from the Oklahoma office.

Lincoln A. Stewart

Lincoln A. Stewart, Mining Engineer
Arizona-New Mexico Branch

March 7, 1952

Defense Minerals Administration
224 New Custom House Building,
Denver,
Colorado.

Re:- D.M.A. Contract Number I-DMA-E-32 DMA Docket Number 269-Y-A pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of February 1952 and the following is a list of amounts completed during this period.

(1) A steel car frame-work was built to facilitate handling the Ingersoll Rand 2 MRV-50 Motor pump on a track-way in the incline shaft.

(2) Extra shaft timbers were framed during the month. Extra ladders were also made for use in the shaft.

(3) Work was commenced on the installation of the power cut-off saw in the shop building. Foundations and framework to hang the saw and motor were completed during the month.

(4) A ditch was dug from the switch house near the substation over to the incline shaft for the installation of the pump power cable. 235 feet of TWWA galvanized, armored, 3 conductor 300 MCM power cable was installed from the switch house to a point about 170 feet down the incline shaft. A Westinghouse Magnetic starter was installed in the switch house for controlling the pumps. 500 feet of Anaconda 3 conductor, No. 2 , rubber covered security Flex power cable was installed in the incline shaft to complete the electrical hook-up to the pump. All three of these items are 100% owned by Banner Mining Company and are not charged to the project.

(5) An Ingersoll-Rand 2 MRV-50 Motorpump together with suction and discharge hoses were installed in the incline shaft and the pumping of water was started on February 21st. Pumping was continued on a two shift basis for the remainder of the month. Shaft timber sets, track and pipe were installed as the water was lowered. On February 29th. the water level in this shaft stood at 352 feet below the collar of the shaft. No old timber sets in place have been encountered in the shaft as yet.

(6) A 200 foot ditch was dug from the end of the pump line on the surface to carry water away to prevent any return into the mine.

(7) The large 12' x 13' sliding doors were installed on the shop building. A concrete apron was poured in front of these doors.

(8) A section of the warehouse building was walled off to facilitate dispersal of supplies.

Attention is called to the fact that the Engineer, Mr. Venable, did not work on the project during February. His salary, therefore, was not charged to the project.

Four copies of the payrolls are included as requested together with four copies of form MF-104.

The above is intended as a narrative description of progress and work completed during the month of February 1952.

Respectfully submitted,

Banner Mining Company

By A. B. Bowman
A. B. Bowman,
Manager

ABB:fmb

COPY

Banner Mining Company

Payroll Reconciliation

Mineral Hill DMA Project

February 1952

Total Payroll Period 1/27/52 to 2/9/52 Inclusive			$ 1,033.98
Less Overlap: 1/27/52 to 1/31/52 Inclusive			
A. Sanchez	19 Hours @ 1.615	$ 30.69	
P. Stevens	4 Hours @ 1.495	5.98	
L. Cruz	16 Hours @ 1.365	21.84	
J. Campuzano	32 Hours @ 1.595	51.04	
R. Ortega	16 Hours @ 1.495	23.92	
F. Tena	16 Hours @ 1.495	23.92	
J. Felix	16 Hours @ 1.495	23.92	
G. Galvez	32 Hours @ 1.365	43.68	
R. Cook	12 Hours @ 1.615	19.38	
M. Coronado	32 Hours @ 1.595	51.04	
Total		295.41	295.41
Net Payroll Period 1/27/52 to 2/9/52			$ 738.57
Payroll Period 2/10/52 to 2/23/52 Inclusive			737.02
Plus Overlap:- 2/24/52 to 2/29/52 Inclusive			
A. Sanchez	24 Hours @ 1.76	$ 42.24	
A. Mendez	52 Hours @ 1.80	93.60	
P. Stevens	10 Hours @ 1.65	16.50	
L. Cruz	10 Hours @ 1.525	15.25	
L. Leal	52 Hours @ 1.735	90.22	
J. Campuzano	52 Hours @ 1.84	95.68	
R. Ortega	16 Hours @ 1.695	27.12	
F. Tena	52 Hours @ 1.695	88.14	
J. Ramirez	5½ Hours @ 2.00	11.00	
H. Hodgers	5½ Hours @ 2.00	11.00	
D. Sprague	4 Hours @ 1.76	7.04	
E. Sanchez	52 Hours @ 1.565	81.38	
F. Sanders	52 Hours @ 1.525	79.30	
Total		$ 658.47	658.47
Total			$ 2,134.06
Less: One Half labor on No. 3 Job (Shop & Changeroom Building) (Only one half of labor applicable to project)			34.66
Total Payroll Applicable to Project			$ 2,099.40

The above figures do not include salaried employees. Amounts of salaries are stipulated in the contract.

COPY

LOCATION Tucson, Ariz DEPT. Mineral Hill DMG Proj #1

PERIOD COVERED: FROM 1-27-52 TO 1-31-52 Inst.

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000

BANNER--FORM 100

	No.	NAME	27 28 29 30 31		TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	DEDUCTIONS: STATE UN-INS.	F. O. A. B.	HOSPITALIZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT					TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
Carpenter		Arnulfo Sanchez	3 8 8		19	1.615	✓	30.69		.46										.46	30.23		
Mucker Helper 1st Class		Phillip J. Stoms Jr.	4		4	1.495	?	5.98		.09										.09	5.89		
Helper		Lorenzo C. Cruz	8 8		16	1.365	✓	21.84		.33										.33	21.51		
Shaftman		Jose Campuzano	8 8 8 8		32	1.595	✓	51.04		.77										.77	50.27		
Miner		Rafael C. Ortiga	8 8		16	1.495	?	23.92		.36										.36	23.56		
Hoistman		Felix O. Tena	8 8		16	1.495	✓	23.92		.36										.36	23.56		
Hoistman		Jesus Felix	8 8		16	1.495	✓	23.92		.36										.36	23.56		
Helper		Gerardo Yabez	8 8 8 8		32	1.365	✓	43.68		.66										.66	43.02		
Mechanic		Roy H. Cooke	4 8		12	1.615	✓	19.38		.29										.29	19.09		
Shaftman		Mike Cornado	8 8 8 8		32	1.595	✓	51.04		.77										.77	50.27		
								295.41		4.45										4.45	290.96		

Overtime—

Mineral Hill DMA Project

LOCATION Tucson, Arizona. DEPT. Corrected Copy

PERIOD COVERED: FROM January 27, 1952 TO February 9, 1952 Inclusive

TIME BOOK AND PAYROLL

PAGE NO. - One -

VOU. NO.

SEMCO 1-47—3000 BANNER--FORM 100

	No.	NAME	27 28 29 30 31 1 2	3 4 5 6 7 8 9	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITALIZATION	ADVANCES	BOARD	OTHER DEDUCTIONS ITEM	AMOUNT	W Tax				TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
Carpenter	1	Arnulfo R. Sanchez	3 8 8 8 12	8 8 8 8 8 12	91	1.615		146.97		2.20										2.20	144.77		
Helper	4	Enrique Salgado Perez		8 8	16	1.365		21.84		.33										.33	21.51		
Master Helper 1st Class	6	Phillip F. Stevens Jr.	4	2 6 8 6 8 9	43	1.495		64.29		.96										.96	63.33		
Helper	7	Lorenzo C. Cruz	8 8 8 12	8 8	52	1.365		70.98		1.06										1.06	69.92		
Hoistman	11	Jose Preciado Campuzano	8 8 8 8 8 12	8 8 8 8 8 12	104	1.595		165.88		2.49						17.80				20.29	145.59		
Miner	14	Rafael C. Ortega	8 8 8	8 8	40	1.495		59.80		.90										.90	58.90		
Hoistman	15	Felix O. Tena	8 8 8 12	8 8 8 8 8 12	88	1.495		131.56		1.97						11.10				13.07	118.49		
Electrician	16	J. P. Ramirez		5½	5½	2.00		11.00		.17										.17	10.83		
Electrician	17	H. M. Hodgers		5½	5½	2.00		11.00		.17										.17	10.83		
Hoistman	18	Jesus Lizzaraga Felix	8 8		16	1.495		23.92		.36						8.00				8.36	15.56		
Helper	19	Gerardo Galvez	8 8 8 8 8 12	x 8 8 4	72	1.365		98.28		1.47										1.47	96.81		
Muckers	21	Roy H. Cook	4 8 4 12	8 6½ x 8 x 8	58½	1.615		94.48		1.42										1.42	93.06		
Hoistman	22	Mike Coronado	8 8 8 8 8 12	x x 8 8 8 8	84	1.595		133.98		2.01						1.20				3.21	130.77		
								1,033.98		15.51						38.10				53.61	980.37		
		A. B. Bowman	Period 2/1/52 to 2/15/52 Inc. 1/2 of his time.					180.50		2.71										2.71	177.79		
		E. E. Bray	Period 2/1/52 to 2/15/52 Inc. 1/2 of his time.					127.50		1.91										1.91	125.59		
		F. M. Bowman	Period 2/1/52 to 2/15/52 Inc. 1/6 of his time.					32.91		.49										.49	32.42		
								340.91		5.11										5.11	335.80		

LOCATION Tucson, Arizona DEPT. Mineral Hill DMA Project

PERIOD COVERED: FROM February 10, 1952 TO February 23, 1952 Inclusive

TIME BOOK AND PAYROLL

PAGE NO. - One -

VOU. NO.

SEMCO 1-47—3000 BANNER--FORM 100

	No.	NAME	10 11 12 13 14 15 16	17 18 19 20 21 22 23	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITAL-IZATION	ADVANCES	BOARD	DEDUCTIONS OTHER DEDUCTIONS ITEM	AMOUNT	W Tax				TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
Carpenter Mate Helper		Arnulfo R. Sanchez	8 8 8		24	1.76	✓	42.24		.63						8.60				9.23	33.01		
1st Class ?		Phillip F. Stevens Jr.	4 4	8 2	18	1.65	?	29.70		.45										.45	29.25		
Helper		Lorenzo C. Cruz	x 8 4 8	x x x 8	28	1.525	✓	42.70		.64										.64	42.06		
Shaftman		Jose Preciado Campuzano	x 8 8 8 8 8 12	x 8 8	68	1.80	✓	122.40		1.84										1.84	120.56		
Hoistman		Felix O. Tena	x 8 8 8 8 8 12	x 8 8 12	80	1.695	✓	135.60		2.03										2.03	133.57		
Electrician		J. P. Ramirez	5	6	11	2.00	✓	22.00		.33										.33	21.67		
Electrician		H. M. Hodgers	5	6	11	2.00	✓	22.00		.33										.33	21.67		
Hoistman		Jesus Lizzaraga Felix		(6)	6	1.735	✓	10.41		.16										.16	10.25		
Helper		Gerardo Galvez	4 6 8		18	1.525	✓	27.45		.41										.41	27.04		
Shaftman		Mike Coronado	x 8 8 8 8 8 12	x	52	1.80	✓	93.60		1.40										1.40	92.20		
Shaftman		Alfredo R. Mandez		x 8 8 12	28	1.80	✓	50.40		.76										.76	49.64		
Muckers Senior, SK.		Duane W. Sprague	x 8 8 8 4	x 8 x 4 8 8	56	1.76	✓	98.56		1.48										1.48	97.08		
Shaftman		Antonio Ramonet	8		8	1.695	✓	13.56		.20										.20	13.36		
Hoistman		Leodoro Leal		(8)	8	1.735	✓	13.88		.21										.21	13.67		
Helper		Esteban M. Sanchez		(8)	8	1.565	✓	12.52		.19										.19	12.33		
								737.02		11.06						8.60				19.66	717.36		

Note: The hours circled in red denotes evening shift. The rate is four cents an hour more than the day shift rate.

Supt.		G. B. Bowman	Period 2-16-52 to 2-29-52 Incl. 1/2 of his time.					180.80		2.71										2.71	177.79		
Foreman		E. E. Bray	" " "	" " " "				127.50		1.91										1.91	125.59		
Bookkeeper		F. M. Bowman	" " "	" 1/6 of his time				32.92		.49										.49	32.43		
								340.92		5.11										5.11	335.81		

LOCATION Tucson Ariz DEPT. Mineral Hill Oma Project

PERIOD COVERED: FROM 2-24-52 TO 2-29-52 Incl.

TIME BOOK AND PAYROLL

PAGE NO. _____

VOU. NO. _____

SEMCO 1-47—3000

BANNER--FORM 100

	No.	NAME	24	25	26	27	28	29	TOTAL HOURS	RATE	AMOUNT	TOTAL AMOUNT DUE	STATE UN-INS.	F. O. A. B.	HOSPITALIZATION	ADVANCES	BOARD	DEDUCTIONS OTHER DEDUCTIONS ITEM	AMOUNT	TOTAL	NET AMOUNT DUE	CHECK No.	RECEIVED PAYMENT
Carpenter		Arnulfo Sanchez		8		8	8		24	1.76	✓	42.24		.63						.63	41.61		
Shaftman		Alfred Mendez	8	8	8	8	8	12	52	1.80	✓	93.60		1.40						1.40	92.20		
Mech Helper 1st Class		Phillip F. Stevens Jr.		2	4		4		10	1.65	✓	16.50		.25						.25	16.25		
Helper		Lorenzo Cruz			2		8		10	1.525	✓	15.25		.23						.23	15.02		
Hoistman		Leodoro Leal	8	8	8	8	8	12	52	1.735	✓	90.22		1.35						1.35	88.87		
Shaftman		Jose Campuzano	8	8	8	8	8	12	52	1.84	✓	95.68		1.44						1.44	94.24		
Miner		Rafael Ortiga					8	8	16	1.695	✓	27.12		.41						.41	26.71		
Hoistman		Felix O. Pena	8	8	8	8	8	12	52	1.695	✓	88.14		1.32						1.32	86.82		
Electrician		J. P. Ramirez						5½	5½	2.00	✓	11.00		.17						.17	10.83		
Electrician		H. M. Hodges						5½	5½	2.00	✓	11.00		.17						.17	10.83		
Mechanic		Duane W. Sprague		4					4	1.76	✓	7.04		.11						.11	6.93		
Helper		Esteban Sanchez	8	8	8	8	8	12	52	1.565	✓	81.38		1.22						1.22	80.16		
Helper		Faustino Sanchez	8	8	8	8	8	12	52	1.525	✓	79.30		1.19						1.19	78.11		
												658.47		9.89						9.89	648.58		

Overtime—

Note:
The hours circled in red denotes evening shift.
The rate is four cents an hour more than the day shift rate.

MT-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 32

Name of Operator Banner Mining Company
Docket No. DMA 269-X-A
Total Contract Amount $ 126,789.00
Government Participation: 50 % Amount, $ 63,394.50
Distribution of Expenditures for Month of January 1952

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

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

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

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

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

CERTIFICATION

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

Banner Mining Company
(Name of Company)

By A. L. Lowman
(Signature of Authorized Official)

February 8, 1952
(Date)

Superintendent
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings	30.78	2,996.12	3,026.90	30.78	2996.12	3026.90
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	----	2,011.70	2,011.70	----	2011.70	2011.70
(b) Rented[2]	74.91	346.73	421.64	74.91	346.73	421.64
Hoist & Motor 41.66						
Ore Car 1.25						
D.T.Truck 16Hrs.32.00						
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	2,731.27	8,906.40	11,637.67	2781.27	8906.40	11,687.67
5. Supervision, For., Pk.	501.33	1,541.97	2,043.30	501.33	1541.97	2043.30
6. Supplies						
(a) Timber	728.09	1,035.85	1,763.94	728.09	1035.85	1763.94
(b) Explosives	22.09	37.82	59.91	22.09	37.82	59.91
(c) Repair Parts						
(d) Other	588.49	5,076.73	5,665.22	588.49	5076.73	5665.22
7. Power	184.50	10,105.13	10,289.63	184.50	10,105.13	10,289.63
8. Transportation						
9. Insurance						
(a) Fed. Unemploy. Ins. 2%	65.65	208.97	274.62	65.65	208.97	274.62
(b) Public Liability						
(c) Workmen's Compensation 10%	328.26	1,044.84	1,373.10	328.26	1044.84	1373.10
Social Security 1.5%	49.24	144.83	194.07	49.24	144.83	194.07
10. Contract Work						
11. Other (specify)						
Total	5,354.61	33,457.09	38,811.70	5354.61	33,457.09	38,811.70
Deletions						
Adjusted totals						
Totals previously reported				33,457.09		
Totals to date				38,811.70		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Lawrence A. Stewart WRS WLD W.H.K.
Amount approved for payment $2677.31
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF January 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	3,282.60	74.91	1,338.67	658.43	5,354.61					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	3,282.60	74.91	1,338.67	658.43	5,354.61					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

AFFIDAVIT

STATE OF OKLAHOMA }
COUNTY OF OKLAHOMA } SS

W. H. HARDY, of lawful age, being duly sworn, deposes and says:

THAT he is the Secretary and Treasurer of the Banner Mining Company, a Nevada Corporation, and that he has been serving in that capacity for fifteen (15) years; that he is personally acquainted with the books and records of said Company and supervises the bookkeeping department of said Company; that he knows of his own personal knowledge that all bills of the Banner Mining Company for work done and materials purchased to and inclusive of January 31, 1952, under D. M. A. Contract Number I-DMA-32, D. M. A. Docket 269-E-4 pertaining to the Mineral Hill Property South of Tucson, Arizona, are fully paid.

FURTHER Affiant sayeth not.

DATED this 19th day of February, 1952.

W. H. Hardy
W. H. Hardy

STATE OF OKLAHOMA }
COUNTY OF OKLAHOMA } SS

Before me, the undersigned, a Notary Public in and for said County and State on this 19th day of February, 1952, personally appeared W. H. Hardy to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.

Dorothy Williams
Dorothy Williams, Notary Public

My Commission Expires:
August 18th, 1955.

104
1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 32

Name of Operator Banner Mining Company
Docket No. DMA 269-X-A
Total Contract Amount $ 126,789.00
Government Participation: 50% % Amount, $ 63,394.50
Distribution of Expenditures for Month of December 1951

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

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

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

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

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

CERTIFICATION

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

Banner Mining Company
(Name of Company)

By A. L. Bowman
(Signature of Authorized Official)

January 8, 1952
(Date)

Superintendent
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings	88.19	2,907.93	2,996.12	88.19	2,907.93	2996.12
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	---	2,011.70	2,011.70	---	2011.70	2011.70
(b) Rented[2]						
(c) Furnished by operator	59.82	286.91	346.73	59.82	286.91	346.73
Hoist & Motor 41.66						
Concrete Mixer 4.16						
D.T. Truck 7 Hrs. 14.00						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor [3]	1,914.29	6,992.11	8,906.40	1914.29	6992.11	8906.40
5. Supervision, ~~For. Eng. Bk.~~	791.83	750.14	1,541.97	791.83	750.14	1541.97
6. Supplies						
(a) Timber	598.46	437.39	1,035.85	598.46	437.39	1035.85
(b) Explosives	19.62	18.20	37.82	19.62	18.20	37.82
(c) Repair Parts						
(d) Other	1,260.37	3,816.36	5,076.73	1260.37	3816.36	5076.73
7. Power	180.00	9,925.13	10,105.13	180.00	9925.13	10,105.13
8. Transportation						
9. Insurance						
(a) ~~Fire~~ ~~Unemp. Ins.~~ XXX	54.12	154.85	208.97	54.12	154.85	208.97
(b) Public Liability						
(c) Workmen's Compensation	270.61	774.23	1,044.84	270.61	774.23	1044.84
~~Social Security~~	28.71	116.12	144.83	28.71	116.12	144.83
10. Contract Work						
11. Other (specify)						
Total	5,266.02	28,191.07	33,457.09	5266.02	28,191.07	33,457.09
Deletions						
Adjusted totals				113.50		
Totals previously reported						
Totals to date				5379.52	28,304.57	33,570.59

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Lincoln A Stewart W.R.K. W.R.K.
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF December 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	2,706.12	59.82	1,878.45	621.63	5,266.02					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	2,706.12	59.82	1,878.45	621.63	5,266.02					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

Scho 2DMa 52-25

MINING DIVISION
REGION IV

February 11, 1952

Memorandum

To : Walter R. Sterns, Tucson, Arizona

From : Lincoln A. Stewart, Tucson, Arizona

Subject : Monthly progress report for January 1952, Banner Mining Co., Mineral Hill project, Docket No. 269X-A. Pima County, Ariz. Contract No. IDM-E32

On February 8, accompanied by Wm. Griswold, I visited the Mineral Hill property of subject company to check progress. In company with Allan Bowman, the superintendent, we inspected the surface installations and went down the inclined shaft.

WORK REPORT

At the end of the period work on the inclined shaft had progressed to 330 feet, where the shaft was found to be blocked by loose debris. They are now mucking out and find the water level of the mine is at 333 feet. A sinker pump is being installed (contract depreciation item). The 4-inch water column has been installed for 60 feet down the shaft.

Water piping and electric circuit has been hooked up to the combination shop-changeroom.

ANALYSIS OF ENTRIES OF FORM MF-104

Item 1 (b) This represents water pipe, fittings for shower room and electric wiring of combination shop-changeroom, and is only one half the cost, according to contract specifications.

2 (b) Allowable monthly depreciation of contracted equipment.

4 Labor cost is indicated on the payroll attached which shows job classifications, and likewise the shifts receiving a 4-cent night differential. The

CC W. H. King (5)
269X-A
DF

LAStewart:frj

12-hour shift charges on January 5, 12, 19, and 26 represents an 8-hour day at 1½ overtime. Denver memo of January 18 states that the labor amendment became effective December 21. Neither Bowman nor this office has received copy of this amendment to date. Consequently it seems pointless to try to correlate labor charges at this time.

Item 5 Supervision charges according to contract, less engineer charges and ½ mo for superintendent as explained in company narrative report.

6 (a) & (b) Charged out for rehabilitation of shaft.

(d) As explained in engineer's report for December, this is a total cost of items charged out as taken from the warehouse. Everything from a few nails to 4-inch pipe, fittings and rails entered as used..

7 Power charge, minimum $225 less 20 percent or $180.00, plus December tax of $2.25 not charged last month, plus January tax of $2.25.

9 Payroll taxes in order.

No items of major value that require identification were bought during the period.

As all items seem to be covered by contract specifications, the writer is approving this report.

Lincoln A Stewart

LINCOLN A. STEWART, Mining Engineer
Arizona-New Mexico Branch
Mining Division, Region IV

Mining Division
Date Rec'd.

FEB 1[illegible] 1952

BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

February 11, 1952

REGISTERED

Memorandum

To : W. H. King, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : January 1952 Progress Report, Contract I-DMA-E32, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz.

Enclosed in quadruplicate are the following:

(1) Bureau of Mines engineer's report;
(2) Company's progress report;
(3) Form MF-104.

Also enclosed are 2 extra copies of our engineer's report.

An affidavit will be sent you from the Company's Oklahoma Office, certifying that all January accounts have been paid.

It is recommended that the Government's share of the January expenditures be paid as all accounts seem to be in order.

WRS

Walter R. Storms

CC: King (5)
DMA-269X A
DF

WRStorms: ls

Sched DMA 52-25

Mining Division
Region IV

February 15, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 2693-A, Contract L-DMA-E32, Banner Mining Company, Mineral Hill Project, Pima County, Arizona - Operator's Monthly Progress Report for the period of January, 1952

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

Work accomplished is in accordance with the contract and payment is approved for the amount of $2,677.31, which is 90 per cent of the total of $5,354.61, and which is subject to arithmetical corrections by the Accounting Section.

An amendment is in process, effective December 21, 1951, which will augment the labor schedule.

W. H. KING

W. H. King

Enclosures

WHD:oc

cc: WHD:oc
cc: DMA Contract, Chron.
Kaschmann
Storms

Banner Mining Company

Payroll Reconciliation

Mineral Hill Project For

January 1952

1,08146
35.26
1,113.72

Payroll Period 12/30/51 to 1/12/52				$ 1,118.72
Less:- Overlap 12/30/51 and 12/31/51				
J. Campuzano	8 Hrs.@ 1.595	12.76		
J. Felix	8 Hrs.@ 1.495	11.96		
M. Coronado	8 Hrs.@ 1.595	12.76		
F. Miranda	8 Hrs.@ 1.365	10.92		
Total Overlap		48.40	48.40	
Net				$ 1,070.32
Payroll Period 1/13/52 to 1/36/52 Inclusive				1,438.82
Plus:- Overlap Period 1/27/52 to 2/9/52				
A. Sanchez	19 Hrs. @ 1.615	30.69		
P. Stevens	4 Hrs. @ 1.495	5.98		
L. Cruz	16 Hrs. @ 1.365	21.84		
J. Campuzano	32 Hrs. @ 1.595	51.04		
R. Ortega	16 Hrs. @ 1.595	25.52		
F. Tena	16 Hrs. @ 1.495	23.92		
J. Felix	16 Hrs. @ 1.495	23.92		
G. Galvez	32 Hrs. @ 1.365	43.68		
R. Cook	12 Hrs. @ 1.615	19.38		
M. Coronado	32 Hrs. @ 1.595	51.04		
Total Overlap		297.01		297.01
Grand Total Labor Mineral Hill Project January 1952				$ 2,806.15
Less One Half Labor Cost on Shop & Changeroom Building				24.88
Grand Total Labor Applicable to Mineral Hill Project				$ 2,781.27

COPY

February 8, 1952

Defense Minerals Administration
224 New Customhouse Building,
Denver 2, Colorado.

Re:- D. M. A. Contract Number I-DMA-E-32, DMA Docket Number 269-Y-A pertaining to the Mineral Hill Property south of Hudson, Arizona.

Gentlemen:-

Work was continued during the month of January 1952 on this project and the following is a list of amounts completed during this period.

(1) Three showers and necessary piping were installed in the changeroom.

(2) Two 40 Gallon General Electric water heaters, owned 100% by Banner Mining Company were installed in the changeroom.

(3) Work was continued on the rehabilitation of the inclined shaft and we reached a depth of 330 feet by January 31, 1952. The water level stands at 333 feet in this shaft. We encountered another block of rock and other debris at 295 feet. We are still in this rock and debris at 333 feet. In order to handle this muck without hoisting it to the surface, we had to build a dump at the 200 level of this shaft, together with track so we could dump it into old stopes below the level.

(4) Extra framed shaft timbers and ladders have been completed to keep ahead of shaft needs.

Attention is called to the fact that the Engineer, Mr. Venable, did not work on this project during January. His salary therefore was not charged against the project. A. M. Bowman, the superintendent, was away from the project for 16 days during the month. Therefore, his salary for the last half of January was not charged against the project.

The above is intended as a narrative description of progress and work completed during the month of January 1952.

We are also enclosing herewith copies of our payrolls for January 1952.

Yours very truly,
Banner Mining Company

By A. M. Bowman
A. M. Bowman,
Superintendent

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-126

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse
(Department, bureau, or establishment)

Voucher prepared at Denver, Colorado 1/8/52
(Give place and date)

THE UNITED STATES, Dr.,

To Banner Mining Company
2042 Conner Stravenue
Address Tucson, Arisona
Payee's Account No. I-DMA-E-32

PAID BY
(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	November 1951	Certified "Operator's Monthly Progress Report" for the Mineral Exploration Program attached:				2129	07

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 2129.07

(Payee must NOT use this space)
Differences _____
Account verified; correct for 2129.07
(Signature or initials) _____

Contract No. I-DMA-E-32 Date 6/1/51 Req. No. _____ Date _____ Invoice Rec'd _____

MEMORANDUM

Approved for payment by: W. H. K.
J. H. East, Jr.

JAN 9 1952

Naomi E. Stokes
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior		2129.07

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ on Treasurer of the United States in favor of payee named above.
Cash, $_____, on _____, 19____, Payee _____ (Sign original only)

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

Per _____
Title _____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

(*b*) And by notices posted in public places.

(If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.

4. Without advertising in accordance with _____

5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934 16—22900-1

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 32

Name of Operator Banner Mining Company
Docket No. DMA 269-X-A
Total Contract Amount $ 126,789.00
Government Participation: 50% % Amount, $ 63,394.50
Distribution of Expenditures for Month of November 1951

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

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

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

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

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

CERTIFICATION

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

Banner Mining Company
(Name of Company)

By [signature]
(Signature of Authorized Official)

December 7, 1951
(Date)

Superintendent
(Title)

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

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings	145.42	2,762.51	2,907.93	145.42	2762.51	2907.93
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]	--	2,011.70	2,011.70	--	2011.70	2011.70
(b) Rented[2]						
(c) Furnished by operator	59.82	227.09	286.91	59.82	227.09	286.91
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	1,508.12	5,483.99	6,992.11	1508.12	5483.99	6992.11
5. Supervision For., Eng. BK.	750.14	---	750.14	750.14	—	750.14
6. Supplies						
(a) Timber	437.39	---	437.39	437.39	—	437.39
(b) Explosives	16.58	1.62	18.20	16.58	1.62	18.20
(c) Repair Parts						
(d) Other	838.01	2,978.35	3,816.36	838.01	2978.35	3816.36
7. Power	197.80	9,727.33	9,925.13	197.80	9727.33	9925.13
8. Transportation						
9. Insurance						
(a) ~~EX~~ Unemp. Ins.	45.17	109.68	154.85	45.17	109.68	154.85
(b) Public Liability						
(c) Workmen's Compensation	225.83	548.40	774.23	225.83	548.40	774.23
Social Security	33.87	82.25	116.12	33.87	82.25	116.12
10. Contract Work						
11. Other (specify)						
Total	4,258.15	23,932.92	28,191.07	4258.15	23,932.92	28,191.07
Deletions		113.50	113.50		113.50	113.50
Adjusted totals	4,258.15	23,819.42	28,077.57	4258.15	23,819.42	28,077.57
Totals previously reported						
Totals to date	4,258.15	23,819.42	28,077.57	4258.15	23,819.42	28,077.57

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Walter R. Stone. W.R.K.
Amount approved for payment
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF November 1951

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	2,258.26	59.82	1,291.98	648.09	4,258.15					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	2,258.26	59.82	1,291.98	648.09	4,258.15					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MINING DIVISION
REGION IV

December 13, 1951

Memorandum Registered

To : Paul T. Allsman, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : Progress Report for November 1951, Banner Mining Co's. Mineral Hill Copper Mine, Pima County, Ariz. BMA Docket 269X A, Contract I-BMA-K32

Enclosed are the following progress reports for the above company and period:

(1) Form MF-104;

(2) Company's progress report;

(3) Bureau of Mines progress report.

Also enclosed are 2 extra copies of our engineer's progress report.

As this report seems to be in order, I recommend that it be paid. The company payroll will be mailed to you when submitted.

Walter R. Storms

CC P. T. Allsman (5)
BMA-269X A
DF

WRStorms:frj

MINING DIVISION
REGION IV

December 13, 1951

Memorandum

To : Walter R. Storms, Tucson, Arizona

From : William T. Griswold, Tucson, Ariz.

Subject : Monthly progress report for November 1951, Banner Mining Co., Mineral Hill Project, DMA Docket No. 269X-A, Pima County, Ariz., Contract No. I-DMA-E32

On December 12 I visited the Mineral Hill property of the Banner Mining Co. An examination for a progress report was made with the assistance of Mr. Allen Bowman, the property manager. In the absence of the part time accountant, Mr. Bowman made every effort to locate all records requested.

WORK REPORT

Rehabilitation of the inclined shaft is now completed to a point well below the 100-ft. level. By the end of November the first 100 feet were reported as completed. The shaft is timbered to the 80-ft. level. Beyond this point the ground stands so well that only cross stringers for track support are required. From the shaft collar a 4-inch water line with Victraulic couplings has been extended over the crest of the hill. This line will prevent water discharged at the shaft from re-entering the mine workings.

In the combination shop-changeroom, window installations were completed, and a concrete floor with shower-drain was poured in the changeroom.

ANALYSIS OF ENTRIES ON FORM MF-104

An accurate check on all expense items for the Mineral Hill project is not possible, since full accounts are kept only at the Banner Mining Company's home offices in Oklahoma City. Bills are paid by check from that office and all invoices for equipment also are sent to Oklahoma City.

CC P. T. Allsman (orig. & 5)
269X-A
DF
WTGriswold:frj

Equipment furnished by operator. This item includes rental charges on a 75-h.p. hoist and an Essich concrete mixer authorized in the contract, and rental charges on a diamond T winch truck for use after Nov. 20th, the date of an approved contract amendment.

Labor and supervision. Mr. Bowman's attention was drawn to the requirement of submitting copies of social security forms or payroll sheets. Since social security forms are kept at the Oklahoma City office he has agreed to send in copies of payroll sheets covering all days in November.

Supplies. Since bills are paid from the home office, no invoices or receipts were available; however, files were on hand showing all items purchased and their costs.

Explosives used on the project are sent down from the Lordsburg, New Mexico, operation. This allows powder to be purchased and charged out at carload price. No charge is made by the Banner company for getting the powder to the Mineral Hill property.

Under the heading of "Other Supplies" there is given the total cost of a large number of items necessary to the rehabilitation of the incline shaft. However, the principal cost items under this heading were pipe and rail. All items seemed necessary under the contract.

Power. The company's power contract requires a $225 minimum on the 440-V connections. For November there also was a $15.50 charge for 110-V power. A 20% deposit rebate is subtracted from power charges.

From conditions at the property and from examination of available records it appears that the operator's report can be accepted.

William T. Griswold

Wm. T. Griswold

December 7, 1951

Defense Minerals Administration
220 New Customhouse,
Denver 2,
Colorado.

Re:- D.M.A. Contract Number I-DMA-32, D.M.A. Docket 269-X-A pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of November 1951 and the following is a description of amounts completed during this period.

(1) All of the window frames and glass for same have been installed in the combination Shop-Changeroom building. A 20' x 20' section of this building has been walled off with lumber and galvanized sheet siding to be used as a changeroom for the men. A concrete floor has been poured in this section of the building. A 3" drain pipe line has been installed beneath the floor to carry waste water from the shower section. A used oil heater has been installed in this section.

(2) Work was continued on the rehabilitation of the Inclined Shaft and we have reached a depth of 100 feet below the collar. We have installed 8" x 8" footwall stulls at intervals of 5 feet in conjunction with 6" x 8" track supports between sets together with posts. Track and ladders have also been installed to this depth.

We have experienced difficulty in keeping our sets lined up as to dip. The Footwall of the shaft is very irregular and we have had to do considerable drilling and blasting to make room for uniform sets as we proceed.

The shaft is blocked off at just below 100 feet by muck and old timbers, and will necessitate our cleaning out same to proceed. We have built and installed a small dump tray in the skeleton cage to handle this muck.

(3) Extra ladders and framed shaft timbers have been completed for future use in the inclined shaft.

(4) A water line has been installed to the changeroom from the inclined shaft.

(5) The 4" water line from the inclined shaft has been extended about 250 feet from the shaft collar to keep pump water from the shaft from draining back into the mine.

Respectfully submitted,

Banner Mining Company

By A. B. Bowman
A. B. Bowman, Superintendent

ABB:fmb

A F F I D A V I T

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

W. H. HARDY, of lawful age, being duly sworn, deposes and says:

THAT he is the Secretary and Treasurer of the Banner Mining Company, a Nevada Corporation, and that he has been serving in that capacity for fifteen (15) years; that he is personally acquainted with the books and records of said Company and supervises the bookkeeping department of said Company; that he knows of his own personal knowledge that all bills of the Banner Mining Company for work done and materials purchased to and inclusive of November 30th, 1951, under D.M.A. Contract Number I-DMA-33, D.M.A. Docket 269-L-B pertaining to the Twin Buttes Property South of Tucson, Arizona, and D.M.A. Contract Number I-DMA-32, D.M.A. Docket 269-K-A pertaining to the Mineral Hill Property South of Tucson, Arizona, are fully paid.

FURTHER Affiant sayeth not.

DATED this 21st day of December, 1951.

W. H. Hardy

W. H. Hardy

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

Before me, the undersigned, a Notary Public in and for said County and State on this 21st day of December, 1951, personally appeared W. H. Hardy to me known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year last above written.

My Commission Expires:
August 18th, 1955

Dorothy Williams Notary Public

Dorothy Williams

Filed DMA 52-19

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

Administrative Audit Difference Statement

Date: January 23, 1952
Payee's
Reference: Progress
Report - December 1951

Banner Mining Company
2042 Conner Stravenue
Tucson, Arizona

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

Amount claimed $ 5,266.02

Difference $ + 113.50

Amount Approved $ 5,379.52

The reason for the difference was due to:

Amount deducted from October report has been reinstated.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

H. E. Stokes
Audit Section

R-IV - B&F Form No. 4
5-1-51 - 1M

Mining Division
Date Rec'd.
JAN 15 1952
BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

January 14,1952

Memorandum

To : Wm. H. King, Acting Chief, Mining Div., Region IV

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : December 1951 Progress Report, DMA Docket 269X A, Contract I-DMA-432, Mineral Hill Copper Mine, Banner Mining Co., Pima Mining District, Pima County, Ariz.

Enclosed in quadruplicate are the following.

(1) Bureau of Mines engineer's progress report,

(2) Company's progress report;

(3) Form MF-104.

Also enclosed are 2 extra copies of the Bureau engineer's report.

As this account seems to be in order, I recommend that it be paid.

WRS

Walter R. Storms

CC W. H. King (5)
DMA-269X1
MF

WRStorms:frj

MINING DIVISION
REGION IV

January 14, 1952

Memorandum

To : Walter R. Storms, Tucson, Arizona

From : Lincoln A. Stewart, Tucson, Arizona

Subject : Monthly progress report for December 1951, Banner Mining Co., Mineral Hill project, Docket No. 269X-A, Pima County, Ariz., Contract No. IDM-E32

On January 8 I visited the Mineral Hill property of the above company to check progress. In company with Allan Bowman, the superintendent, I inspected the surface installations and went down the inclined shaft.

WORK REPORT

Rehabilitation of the inclined shaft is now completed to 170 feet. Bowman's report indicates that 150 feet had been completed by January 1. The shop-changeroom has been wired for electricity and connected to the power line. In the changeroom section the shower bath installation has been completed. Two 40-gallon 440-volt automatic hot water heaters have been installed at no cost to the Government.

ANALYSIS OF ENTRIES OF FORM MF-104

Item 1(b) This item is broken down into lumber $3.98 and electric wiring, fixtures, and miscellaneous small supplies $84.21. These charges represent only one-half the cost of the material used for the combination shop and changehouse, according to the contract specification.

2(c) Allowable monthly depreciationof contracted equipment.

4 Labor cost, substantiated by attached payroll

5 Supervision costs, as indicated on payroll

6 (a) and (b) used in inclined shaft rehabilitation,

CC W. H. King (5)
269X-A
DF

WRStorms:frj

(d) This includes a large number of miscellaneous items, such as pipe and pipe fittings, bolts and nuts, electrical supplies, shaft set hanger rods, etc.

The Banner Co. uses a method of perpetual inventory. Warehouse stock is bought in quantities, set up in a detailed card index showing when and where purchased, total cost, calculated cost per dozen, each, or other applicable unit. As these items are taken from the stock, each is charged to a prearranged job number. The bookkeeper correlates the job number to the project on which used and makes proper book entry according to contract classification.

7. The minimum power charge for the 300 KVA substation is $225, less 20 percent rebate to apply against advance funds.

9. Payroll taxes based on gross payroll.

According to DMEA Circular 10, dated January 2, 1952 the writer examined the major equipment purchased to date, the cost of which has claimed a 50 percent contribution by the Government. The following is a description for identification purposes:

One electric saw bought in September 1951. Skilsaw, model 87, portable, serial No. A 8267, Volts 115, Amps 16. Cost $165.
One typewriter, bought in September 1951. Royal, 13-inch carriage, KMG 13-4238716. Cost $135
One calculator bought in September 1951. Marchant, 8 bank keyboard, 8 FA-284467 Cost $745.20
1,200 feet hoist cable for inclined shaft, bought in September 1951. Roebling, 3/4-inch, 6x19, regular lay, blue center Cost $374.40
One arc welder, bought in October 1951. Lincoln Electric, 200 amp., type SAE 200, code No. 437, serial A-185337, 40 volts NEMA, 220 v, 3 phase, 44 amps, 60 cycle Cost $592.10

According to the request contained in J. H. East's memo of Dec. 18, 1951, the Banner Co. has forwarded to Denver an affidavit dated December 21 stating that all bills have been paid up to and including Nov. 30, 1951. Some time in January a similar affidavit will be prepared covering expenditures of the month of December, and will be submitted to Denver.

As all items are within contract specifications and the charges for supplies seem reasonable, the writer is approving this report.

Lincoln A. Stewart

Lincoln A. Stewart, Mining Engineer
Arizona-New Mexico Branch
Mining Division, Region IV

P. S. In regard to the recission of the sum of $103.50 on the Audit Difference Statement dated Nov. 21, 1951, the MF-104 form checked by the writer was not in error. Mr. Bowman has explained the reason for the typographic mistake. The item in question was the contract wage of the superintendent which is $361 and not $261. It is possible that the reclaim should have been entered on the MF-104 form but Bowman was afraid of jeopardizing prompt payment of the December voucher, hence placed the request in letter form. This amount certainly is due the company.

L.A.S.

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-87

GENERAL ACCOUNTING OFFICE PREAUDIT		PAID BY
Certified for payment in the sum of $_____	U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse (Department, bureau, or establishment)	
Comptroller General of the United States	Voucher prepared at Denver, Colorado 11/21/51 XXXXX (Give place and date)	
By _____	THE UNITED STATES, Dr.,	
	To Banner Mining Company	
	Address 2042 Conner Stravenue, Tucson, Arizona	
	Payee's Account No. I-DMA-E-32	(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	October 1951	Certified "Operator's Monthly Progress Report" for the Mineral Exploration Program attached:				2,318.20	
Shipped from _____ to _____ Weight _____ Government B/L No. _____					Total	2,318.20	

(Payee must NOT use this space)

Differences _____

Account verified; correct for _____ 2318.20

(Signature or initials) NB

Contract No. I-DMA-E-32 Date 6/29/51 Req. No. _____ Date _____ Invoice Rec'd _____

MEMORANDUM

Approved for payment by: J. H. East, Jr.

Naomi E. Stokes
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Defense Minerals Administration		2,318.20

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ } on Treasurer of the United States in favor of payee named above.
{ Cash, $_____, on _____, 19____, Payee _____ (Sign original only)

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

Per _____

Title _____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

(*b*) And by notices posted in public places.

(If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.

4. Without advertising in accordance with _____

5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. -(See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934 16—22900-1

MF-104
(April 1951)

Budget Bureau No. 42-R1036.
Approval expires 6-30-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

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

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

CERTIFICATION

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

Banner Mining Company
(Name of Company)

By A. S. Lowman
(Signature of Authorized Official)

November 3, 1951
(Date)

Superintendent
(Title)

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

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator: Banner Mining Company
Project No. DMA: 269-XA
Total contract amount: $ 126,789.00
Government participation percent: 50%

Distribution of Expenditures for Month of October 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries Gross	2,108.90	3,375.09	5,483.99	2008.90	3375.09	5383.99
Equipment purchase [1]	592.10	1,419.60	2,011.70	592.10	1419.60	2011.70
Equipment rental [2]	45.82	181.27	227.09	45.82	181.27	227.09
Buildings	471.24	2,291.27	2,762.51	471.24	2291.27	2762.51
Explosives		1.62	1.62		1.62	1.62
Repair parts						
Other supplies	1,240.06	1,738.29	2,978.35	1240.06	1738.29	2978.35
Power	7.08	9,720.25	9,727.33	7.08	9720.25	9727.33
Transportation						
Withholding taxes						
Compensation insurance 200.89	210.89	337.51	548.40	200.89	337.51	538.40
Other insurance Unemployment 40.18	42.18	67.50	109.68	40.18	67.50	107.68
Contract work						
Other (specify) Soc. Security 30.13	31.63	50.62	82.25	30.13	50.62	80.75
Total	4,749.90	19,183.02	23,932.92	4636.40	19,183.02	23,819.42
Totals previously reported						
Totals to date						

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Lincoln A. Stewart WRB WOM
Amount approved for payment 23,819.42
Remarks

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF October 1951

Name of operator Banner Mining Company
Project No. DMA 269-XA
Total contract amount $ 126,789.00
Government participation percent 50%

Type	Number	Man-Shifts	Rate	Total
Miners			$	$
Muckers				
~~Timbermen~~ Helpers First Class	2 Part Time	15.38	1.495	207.44
Timbermen				
Pumpmen				
Hoistmen				
Surface Labor	4 Part Time	54.22	1.365	616.67
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters	2	40.50	1.615	558.79
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1 Part Time			261.00
Engineers	1 Part Time			110.00
Geologists				
Bookkeeper				
Foreman	1 Part Time			255.00
Clerks				
Stenographers				
Other				
Total				$ 2,108.90

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Lincoln A Stewart · WAS
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF October 1951

Name of operator Banner Mining Company
Project No. DMA 269-XA
Total contract amount $ 126,789.00
Government participation, percent 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	2,108.90	45.82	1,711.30	883.88	4,749.90					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Lincoln A. Stewart WRS
Remarks

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

Administrative Audit Difference Statement

Date: November 21, 1951
Payee's
Reference: Progress Report
October 1951

Banner Mining Company
2042 Conner Stravenue
Tucson, Arizona

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

Amount claimed $ 4,749.90

Difference $ - 113.50

Amount Approved $ 4,636.40

The reason for the difference was due to:

Error in addition of total salaries paid, which resulted in an overclaim of $10.00 compensation insurance, $2.00 unemployment insurance and $1.50 social security.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes, Audit Section

R-IV - B&F Form No. 4
5-1-51 - 1M

MINING DIVISION
REGION IV

November 8, 1951

Memorandum

To : Walter R. Storms, Tucson, Arizona

From : Lincoln A. Stewart, Tucson, Arizona

Subject : Monthly progress report for October, Banner Mining Co., Mineral Hill Project, Docket No. 269X-A, Pima County, Arizona, Contract No. I-DMA-E32

In company with Wm. Griswold, I visited the Banner Mining Co. property Nov. 7 to check progress of the Mineral Hill project under the above contract.

The installation of the headframe at the inclined shaft and the connecting inclined trackway is complete, except for the bins and the dumping devices. The electrical hook-up of hoist, shaft signals, and lights is complete. Hoist house has been erected. Hoisting cable has been installed and skeleton framework of cage has been placed in operation. This framework is a moveable platform from which the work of shaft rehabilitation will be done. Shaft timbers are being framed in advance.

At the combination shop and change room building, placement of roof and siding is completed, change room walls have been erected within the building, and the excavation for concrete floor slab has been accomplished.

Analysis of entries of form MF-104

Page 2. Wages and Salaries, are shown as gross amounts therefore withholding tax item is not used.

Equipment purchase. Entry of $592.10 represents cost of a 200-amp. arc welder and accessories. Applicant states that it was impossible to secure a 300-amp machine. Purchase of the smaller capacity machine represents a saving of nearly $50 under the estimate.

Equipment rental. Authorized rental of 75 H.P. hoist and Essich concrete mixer.

CC P. T. Allsman (5)
269X-A
DF

LAStewart:frj

Buildings. Cost of materials used in construction of buildings as follows:

Combination shop and change room	$\frac{\$31.19}{2}$	= $15.60
Hoist house		455,64

Other Supplies. Represents material and supplies used or to be used on the following jobs:

Rehabilitation of inclined shaft
Electrical installations at inclined shaft, hoist motor, lights, signal equipment, etc.
Installation of cage, rails in shaft and part way up trackway of headframe.

Power. This is low for the reason that the 300 KW circuit was connected Oct. 29.

Payroll taxes. These are based on gross payroll as follows:

Industrial plus occupational disease insurance,	10%
Unemployment insurance	2%
Social security	1½%

Page 3.

First three entries. As discussed in last month's report, Saturday work complicates the pay schedule of hourly workers so that a direct check by cross multiplication is not possible. However, the hourly rate of labor and the monthly rate of supervisors is in accordance with the contract specifications.

Page 4.

Wages and salaries, and equipment carried over directly from page 2.

Supplies.	Buildings	$471.24
	Other supplies	1240.06
		$1711.30

Other.	Equipment purchase	$592.10
	Power	7.08
	Insurance, compensation	210.89
	Unemployment	42.18
	Social security	31.63
		$883.88

It will be noted from Bowman's report that several items of expenditure are held in abeyance until amendments to the contract have been approved.

As all items of the October report seem to be in order and within contract specifications the writer is approving the progress report as submitted.

Lincoln A. Stewart

LINCOLN A. STEWART

xxxxxxxxxxxxxxxxx

xxxxxxxxxxxxxxxxxxxxxxxxxxx

2042 Conner Stravenue
Tucson, Arizona

WBB

Defense Minerals Administration
224 New Customhouse,
Denver 2,
Colorado.

Re:- D.M.A. Contract Number I-DMA-32, D.M.A. Docket 269-X-A pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

Work was continued on this project during the month of October and the following is a description of amounts completed during this period:

(1) All the galvanized steel siding and roofing has been bolted to the steel framework of the 40' x 40' combination shop and changeroom building. Excavation work on the floor of the building to make room for the concrete floor has been completed. A start has been made on the installation of windows in this building.

(2) Trico Electric Company has completed their power line to Mineral Hill and has erected the substation and installed transformers with a capacity of 300 K.W. Power was turned on for our use on October 29, 1951. All of our electrical hook-up on the hoist at the inclined shaft has been completed together with our tie-in to the above sub-station. Electric Shaft signals and lights have been installed in the hoist house at the incline shaft.

(3) The 20' x 25' wood frame, galvanized iron clad hoist house at the incline shaft has been completed. Aluminum window frames were installed.

(4) The sheave wheel has been installed atop the 45 foot headframe.

(5) The 3/4" Hoisting Cable was installed on the Hoist and attached to the skeleton cage which is being used as a working platform in repairing the shaft.

(6) Rail and ladders have been installed in the first 70 feet of the incline shaft and 25 feet up the inclined trackway of the headframe.

(7) A total of eight sets of timber and eight ladders have been framed for the inclined shaft.

An amendment to this contract in quintuplicate is being prepared and will be forwarded to your office as soon as it can be approved by the local Bureau of Mines officials and signed by the President of our company. This amendment will cover (1) the use of our Diamond T 6 Ton flat bed winch truck on an hourly basis for time used on the project, (2) the use of a part time bookkeeper on the project, and (3) a part time watchman. The above amendments will not increase the total cost of the project.

The Diamond T Truck was used a total of 24 hours during October on this project. At $ 2.00 per hour this amounted to $ 48.00. This amount has not been included as a charge against the project for this month as we do not have the approved amendment covering this point as yet.

A part time bookkeeper was employed for nine days in October at a cost of $ 114.66. This amount has not been charged against the project and will not until we complete amendments to the contract covering this point.

A part time watchman was employed during October at a cost to the project of $ 100.00. This amount has not been charged against the project and will not until we can complete amendments to the contract covering this point.

This letter is intended as a narrative description on progress at the Mineral Hill and is submitted in conjunction with your form MF 104.

Respectfully submitted,

Banner Mining Company

By A. B. Bowman
A. B. Bowman,
Superintendent

ABB:fmb

COPY

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-55

U. S. Dept. of Interior, Defense Minerals Administration, 224 New Customhouse
(Department, bureau, or establishment)

Voucher prepared at Denver, Colorado 10/18/51
(Give place and date)

THE UNITED STATES, Dr.,

To Banner Mining Company
Address 2042 Conner Stravenue
Tucson, Arizona
Payee's Account No. I-DMA-E-32

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States.
By _____

PAID BY
(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms net % Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	8/7 - 9/30/51	Certified "Operator's Monthly Progress Report" for the Mineral Exploration Program attached:				9,482	88

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 9,482 88

(Payee must NOT use this space)
Differences _____
Account verified; correct for 9482 88
(Signature or initials) NS

Contract No. I-DMA-E-32 Date 6/29/51 Req. No. _____ Date _____ Invoice Rec'd _____

MEMORANDUM

Approved for payment by:
J. H. East, Jr.

OCT 18 1951

Naomi E. Stokes
Authorized Certifying Officer

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Defense Minerals Administration		9,482.88

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ on Treasurer of the United States in favor of payee named above.
Cash, $_____, on _____, 19____, Payee _____ (Sign original only)

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

Per _____
Title _____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*) (*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.

4. Without advertising in accordance with _____

5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934 16—22900-1

MF-104
(April 1951)

Budget Bureau No. 42-R1036.
Approval expires 6-30-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

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

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

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

CERTIFICATION

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

Banner Mining Company
(Name of Company)

By A. S. Lowman
(Signature of Authorized Official)

October 5, 1951
(Date)

Superintendent
(Title)

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

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator: Banner Mining Company
Project No. DMA: 269-X-A
Total contract amount: $ 126,789.00
Government participation percent: 50%

Distribution of Expenditures for Month of August 7th. to September 30, 1951 Inc.

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries (Gross)	3,375.09		3,375.09	3308.84		3308.84
Equipment purchase [1]	1,419.60		1,419.60	1419.60		1419.60
Equipment rental [2]	181.27		181.27	181.27		181.27
Buildings	2,291.27		2,291.27	2291.27		2291.27
Explosives	1.62		1.62	1.62		1.62
Repair parts						
Other supplies	1,738.29		1,738.29	1738.29		1738.29
Power	9,720.25		9,720.25	9720.25		9720.25
Transportation						
Withholding taxes						
Compensation insurance	337.51		337.51	337.51		337.51
Other insurance Unemployment	67.50		67.50	67.50		67.50
Contract work						
Other (specify) Social Sec.	50.62		50.62	50.62		50.62
				18,965.77		18,965.77
Total	19,183.02		19,183.02	~~19,183.02~~		~~19,183.02~~
Totals previously reported						
Totals to date	19,183.02		19,183.02			

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Sandra A. Stewart WAS [illegible] PTA
Amount approved for payment 18,965.77
Remarks Less 217.25 for Truck Rental - Bookkeeper

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF August 7th. to September 30, 1951 Inclusive

Name of operator Banner Mining Company
Project No. DMA 269-X-A
Total contract amount $ 126,789.00
Government participation percent 50%

Type	Number	Man-Shifts	Rate	Total
Miners			$	$
Muckers				
~~XXXXXXX~~ Helpers 1st. Class	2	57.17	1.495	729.94
Timbermen				
Pumpmen				
Hoistmen				
Surface Labor	2	56.25	1.365	674.01
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters	2	51.51	1.615	706.97
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1 - Part Time			595.65
Engineers	1 - Part Time			181.52
Geologists				
Bookkeeper	1 - Part Time			66.25
Foreman	1 - Part Time			420.75
Clerks				
Stenographers				
Other				
Total				$3,375.09

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Lincoln A. Stewart WRS KCM
Remarks Leo Bookkeeper

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF August 7th. to September 30, 1951 Inc.

Name of operator: Banner Mining Company
Project No. DMA: 269-X-A
Total contract amount: $ 126,789.00
Government participation, percent: 50%

Item	Costs					Progress				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	3,375.09	181.27	4,029.56	11,597.10	19,183.02					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals										

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

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by Lincoln A. Stewart. WRS 12-1-51
Remarks Less 217.25

Form 6-95

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~BUREAU OF MINES~~

REFERENCE SLIP

DATE 4-2-52

REFERRED TO:

DMA 269-A

1. ~~Mr. Mittendorf, Rm. 4624~~
2. ~~Mr. Johnson, Rm. 4624~~
3. ~~Mr. Mrukland, Rm. 4632~~
4. Mr. Ellis, Rm. 4640

Mrs. Greer

FOR:

..... Action	..... Recommendation
..... Approval	..... Record
..... Comment	of .....
..... Conference	..... Referring
..... Consideration	to .....
..... Filing	..... Reply for signa-
..... Instructions	ture of .....
..... Investigation	..... Rewriting
..... Initials	..... Signature
..... Mailing	..... Suggestions
..... Previous correspondence	..... Your information

REMARKS: The item of bookkeeper's salary and back rental appears reasonable and necessary, therefore they should be allowed provided they do not increase the total amount of the contract. J. R. C.

Check (X) before the items needing attention.

ROBERT E. ADAMS

Initials of sender.

GPO 16—51162-1

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

Administrative Audit Difference Statement

Date: 10/18/51
Payee's
Reference: Progress Report
July 7 to Sept. 30, 1951

Banner Mining Company
2042 Conner Stravenue
Tuscon, Arizona

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

Amount claimed $ 19,183,02

Difference $ 217.25

Amount Approved $ 18,965.77

The reason for the difference was due to:

The items of truck rental, $151.00 and bookkeeper's salary of $66.25 are not provided for under terms of contract, without an amendment.

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-IV - B&F Form No. 4
5-1-51 - 1M

Mining Division
Date Rec'd.

OCT 11 1951

BUREAU OF MINES
Denver, Colorado

MINING DIVISION
REGION IV

October 10, 1951

Air Mail

Memorandum

To : Paul T. Allsman, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV
Tucson, Arizona

Subject : Monthly Progress Report for August-September 1951, DMA Docket 269X A, Contract I-DMA-E32, Banner Mining Co., Mineral Hill Mine, Pima Mining District, Pima County, Ariz.

Enclosed in quadruplicate are

1. Form MF-104;

2. Company progress report;

3. Bureau of Mines progress report.

for the above contract. Two extra copies of the Bureau engineer's progress report also are enclosed.

As explained in Stewart's report, the company used a company truck for hauling, etc., although this truck is not listed in the contract. This truck hire is shown on MF-104 under rental of equipment although it probably should be listed under transportation. The company also lists a part-time bookkeeper although one is not listed in the contract.

If you think necessary, we will have amendments made up for the truck rental and the bookkeeper.

Walter R. Storms

CC P. T. Allsman (5)
DMA-269X A
DF
WRStorms:frj

MINING DIVISION
REGION IV

October 10, 1951

Memorandum

To : Walter R. Storms, Tucson, Arizona

From : Lincoln A. Stewart, Tucson, Arizona

Subject : Monthly progress report Banner Mining Co., Docket Nos. 269X A & B, Pima County, Ariz. Contracts No. I-DMA-E32 and I-DMA-E33

In company with Wm. Griswold I visited the Banner Mining Co. property on October 5 to check the progress of the two projects since the start of operations under Government participation.

Mineral Hill. Contract No. I-DMA-E32

The official starting date was August 7. At the inclined shaft the headframe structure is virtually completed. The inclined trackway from the shaft to the headframe is 50 percent completed. Work on the ore bins has not been started. The hoist and hoist motor have been installed but the electrical hook-up is not completed.

The 440-volt electrical power service is expected to be completed about October 15 by the Trico Electric Cooperative Co.

Within the warehouse building shelving and parts bins have been installed and two rooms have been walled off to serve as office and engineering rooms.

The steel framework has been erected for the combination machine shop and change room.

Twin Buttes. Contract No. I-DMA-E33

The official starting date was August 15. At the Copper Glance shaft, the concrete foundation for the hoist and motor has been completed but the hoist has not been set in place. The headframe has been reconditioned.

CC P. T. Allsman (original and 5)
DMA-269X
DF
LAStewart:frj

No work chargeable to Government participation has been done at the Copper Queen shaft.

Discussion of form MF-104 submitted by the company.

Mineral Hill project 269XA

Summary Cost Statement

Wages and Salaries are shown as gross amounts, therefore the item of withholding taxes is not used.

Equipment purchase includes typewriter, calculator, electric saw, and 3/4 inch hoist cable for inclined shaft.

Equipment rental includes concrete mixer, hoist, and a company-owned Diamond T winch truck. The last item will be discussed later in this report.

Buildings: The main item of this charge concerns the 40 ft. by 40 ft. combination shop and change room.

Cost of the steel members f.o.b. mine	$3,730.12
Cost of material used to date	252.25
Total to date	$3,982.37

Under exhibit "B" of the contract only half this cost is chargeable against the project, or $1,991.18. The other two items are material used as follows:

$130.00 for bins and shelving, and $170.09 for walling off office space (2 rooms), both items in warehouse building.

Other supplies represents material used or to be used in the following jobs.

Installation of inclined shaft hoist and motor
Construction of inclined shaft headframe
Rehabilitation of inclined shaft.

Power This is an advance deposit to the Trico Electrical Cooperative Co. for erection of power line in the amount of $9,700.00 plus power bill for August and September.

The last three items, pay roll taxes, are calculated as follows: of the gross pay roll, industrial insurance (compensation) plus occupational disease insurance, 10%; unemployment insurance, 2%; social security 1½%.

Distribution of wages.

On the first 3 items it is to be noted that the man shifts x 8 multiplied by the hourly rate does not check with the total wages. This is accounted for by the fact that there is some Saturday work at time and a half. The company has divided the total hours of each category by 8 and called this the man shifts. The rate shown is the normal pay. The writer has seen the time book and does not question the final result.

Unit Cost

The only explanation needed here is the breakdown of the following 2 items carried over from Summary Cost Statement.

Supplies	Buildings	$2,291.27
	Other supplies	1,738.29
		$4,029.56
Other	Equipment purchase	$1,419.60
	Explosives	1.62
	Power	9,720.25
	Compensation insurance	337.51
	Unemployment "	67.50
	Social security	50.62
		$11,597.10

Twin Buttes project 269X-B

Summary Cost Statement

Wages and salaries Again shown as gross, in other words, include withholding taxes.

Equipment rental includes pickup truck and 3 hrs. use of company's Diamond T winch truck to be discussed later.

Other supplies represents material used in installation of hoist and repairs of headframe.

Power This is an advance deposit for erection of the power lines from Mineral Hill mine to Twin Buttes mine.

Transportation consists of items of gas, oil and maintenance of pick up truck.

Payroll taxes are calculated as under the Mineral Hill report.

Distribution of wages.

See previous discussion. Also note Bowman's letter that they have not charged full pro-ratable salaries to this project during this period.

Unit Cost

"Other" is the sum of the last 5 items of the Summary Cost Statement.

Discussion of the use of the Diamond T winch truck which is not included in the contract.

The Banner Company is using this company-owned truck to expedite the project work at less expense to the Government and themselves. It is a large 6-ton flat bed truck equipped with a power winch and an "A" frame.

They are charging a nominal $2.00 per hour rate only when used on project work. It is available when and as needed. Two trips were made to Lordsburg that took 13 and 16 hours. Each trip was a capacity load, hauling the hoist and motor, switches, 6-inch pipe, and the headframe timbers.

In comparison, the Texas Arizona Motor Freight, Inc. quotes prices of $0.60 to $1.32/hundred varying according to the gross weight shipped between Lordsburg and the dock at Tucson, where material is unloaded. To get to the mine, the material has to be reloaded and hauled a distance of 25 miles at an additional cost (hauling only) of $4.00 per hour of truck use. This is the price quoted by M. C. Hubbell, trucking contractor, and the Sierrita Mining and Ranching Co. truck service.

This Diamond T truck also was used to expedite erection of the inclined shaft headframe. The various members of the headframe were constructed on the ground and hoisted into place by the use of the hoisting equipment of the truck. This process is certainly the most economical method of erecting such a structure.

The truck also was used to lift the hoist and set it in place on the foundation.

As a matter of record the hours of use are detailed as follows:

Mineral Hill

	Hrs.
8/28) Hauling carload of timber from the	5½
8/29) RR siding at Sahaurita to the mine	8
9/11) Hauling 12 tons of equipment	13
9/21) and material from Lordsburg	16
Various. Erection of headframe, setting of hoist, etc.	33
	75½

Twin Buttes

Moving hoist to construct new foundation	3

It is also noted that the item of bookkeeping charges has not been set forth in the contract. Apparently in the rush of working up the contract before the deadline date, this item was overlooked. It certainly is a justifiable cost in the administration of a quarter of a million dollar project. In the current monthly statement that covers more than 1½ months operation, only $66.25 is charged to each project.

The Banner Company is conducting operations in an exceptionally good and workmanlike manner at both projects. In order to expedite operations and lower costs, they have unwittingly used a piece of equipment not specifically set up in the contract and have employed a part-time bookkeeper not specified in Exhibit D of their contract.

The writer is approving the monthly report of each project subject to a decision by Denver as to the necessity of amendment to the contract for inclusion of the above two items.

Lincoln A Stewart

LINCOLN A. STEWART

XXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXXXXXXXX
2042 Conner Stravenue
Tucson, Arizona

October 5, 1951

Defense Minerals Administration
224 New Customhouse,
Denver 2,
Colorado.

Re:- DMA Contract Number 269-X-A pertaining to the Mineral Hill Property South of Tucson, Arizona.

Gentlemen:-

This project began on August 7, 1951 as per my letter to you of even date.

All of our work accomplished to date has been preparatory in nature, and is listed below:

(1) All the shelving and bins in the Warehouse Building have been constructed and installed.
(2) Office space in the Warehouse Building has been walled off.
(3) (a) Excavation for foundation, (b) construction of foundation forms, (c) Pouring the concrete foundation, (d) erection of the steel framework, for the 40' x 40' combination shop and changeroom building has been completed.
(4) (a) Excavation for the foundation, (b) construction of the foundation forms, (c) pouring the concrete foundation, (d) placing of the hoist on the foundation and the grouting in of the hoist and electric moto. at the inclined shaft has been completed.
(5) (a) The excavation for the foundation, (b) construction of the foundation forms, (c) pouring the concrete foundations, and the erection of the 45 foot headframe at the inclined shaft have been completed with the exception of the placing of the sheave wheel and some bracing. Work has been started on the inclined trackway from the shaft collar to the headframe.

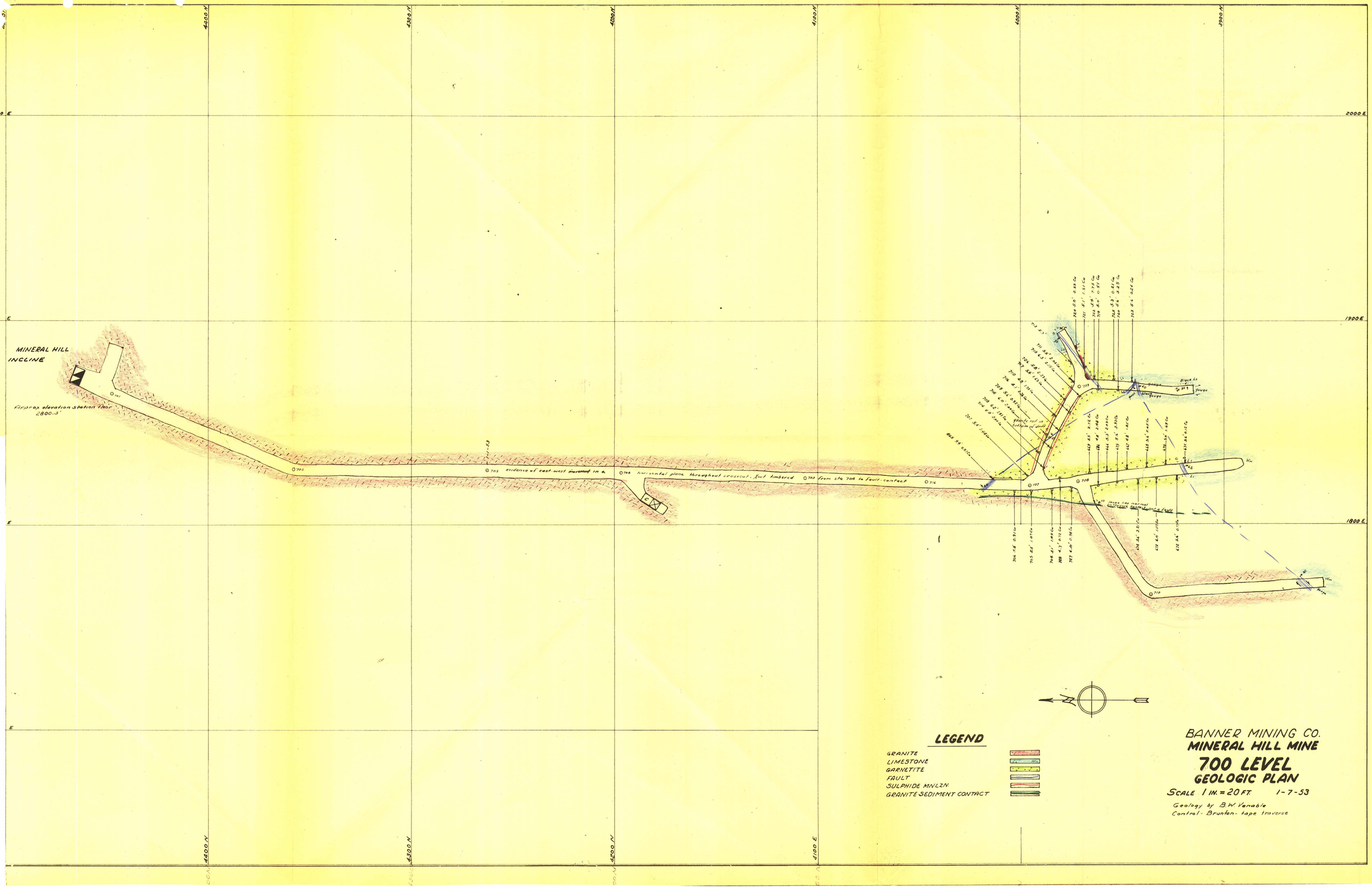
We have made a payment to the Trico Electric Cooperative Company in the amount of $ 9,700.00 covering our cost of the power installation. The three phase power line has been built to within one quarter mile of the transformer station. We have had single phase power for two months. Trico Electric Company has advised that they will give us three phase service on October 15, 1951.

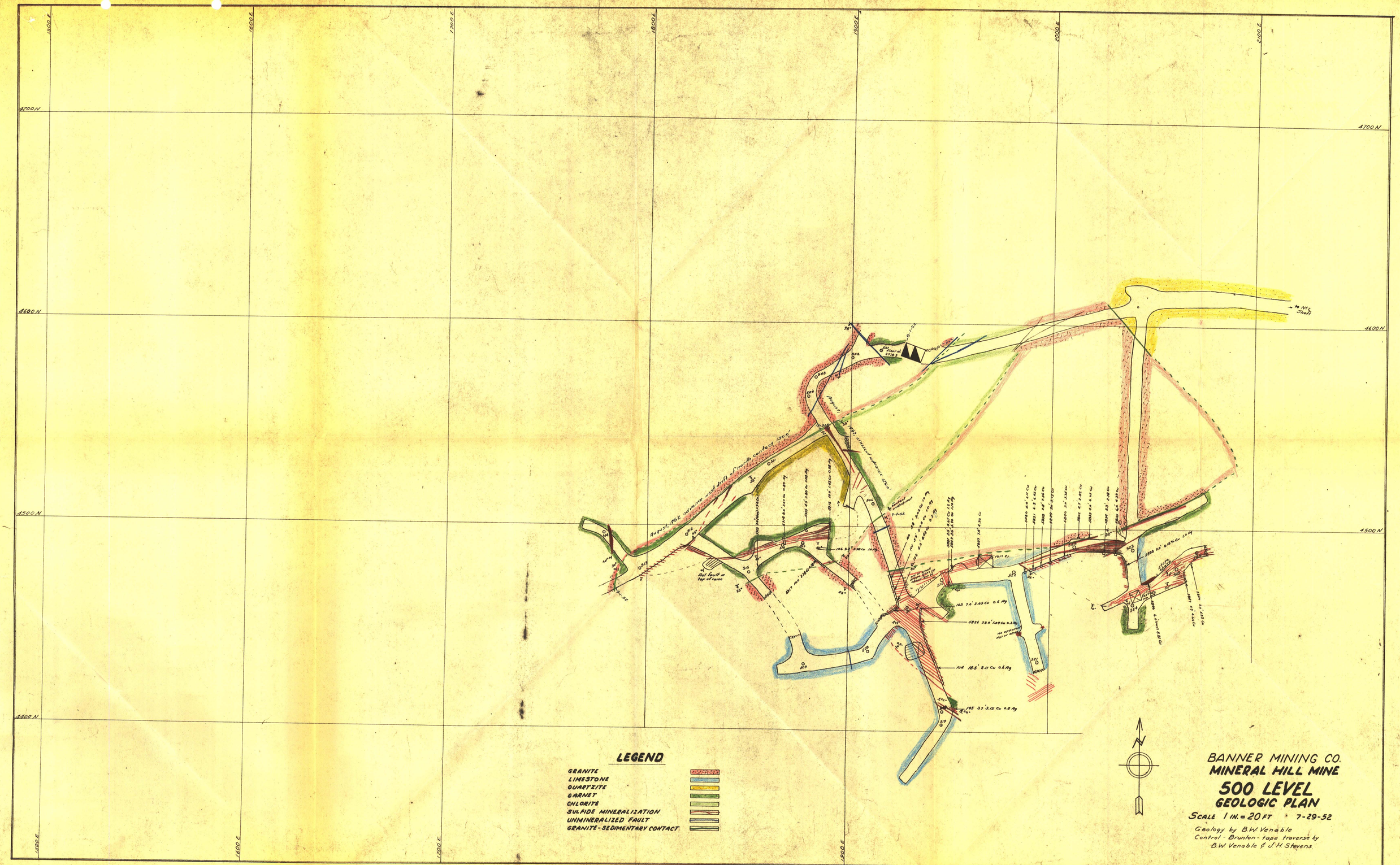
This letter is intended as a narrative description on progress at the Mineral Hill and is submitted in conjunction with your form MP-104.

Respectfully submitted,
Banner Mining Company

By A. B. Bowman
A. B. Bowman
Superintendent

A B:fmb


MINERAL HILL
INCLINE
Approx elevation station floor
2800.3'
evidence of east-west movement in a horizontal plane throughout crosscut. fault timbered from sta 704 to fault-contact
LEGEND
GRANITE
LIMESTONE
GARNETITE
FAULT
SULPHIDE MNLZN.
GRANITE SEDIMENT CONTACT
BANNER MINING CO.
MINERAL HILL MINE
700 LEVEL
GEOLOGIC PLAN
SCALE 1 IN. = 20 FT. 1-7-53
Geology by B.W. Venable
Control - Brunton - tape traverse


1500 E
1600 E
1700 E
1800 E
1900 E
2000 E
2100 E
4700 N
4600 N
4500 N
4400 N
LEGEND
GRANITE
LIMESTONE
QUARTZITE
GARNET
CHLORITE
SULFIDE MINERALIZATION
UNMINERALIZED FAULT
GRANITE-SEDIMENTARY CONTACT
N
BANNER MINING CO.
MINERAL HILL MINE
500 LEVEL
GEOLOGIC PLAN
SCALE 1 IN. = 20 FT
7-29-52
Geology by B.W. Venable
Control - Brunton - tape traverse by
B.W. Venable & J.H. Stevens