REQUEST FOR INFORMATION
FROM OPERATOR ON CERTIFIED PROJECT
AND PROJECT UNDER ROYALTY AGREEMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Contract I DMA E61

From: Acting Field Officer, OME, Region III
Hugh M. Connors
Hugh M. Connors

Concerning:
Docket No. DMEA 1702X (Uranium)
Property Cherokee Mines

Location Larimer County, Colorado

Date: March 23, 1961

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 27 1961

DATE	INITIALS	
3/27	gad	NVO
"		1 0
		1 0
		800
"	gla	500
		225

The AEC production records for the entire year of 1960 have been checked and no production was shown from this property.

With the certification of the exploration project identified above, you were asked to inform our office about changes in the status of the property and production from it.

To assist you to furnish this information and to assure the accuracy of our records, we ask that you answer the questions below and return one copy to this office with copies of any pertinent documents.

Field Officer

1. Since _____, has there been a change in ownership, lease, or sublease about which the OME has not been notified? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents. Yes ☐ No ☐

2. Since _____, has there been any production from the property?* Yes ☐ No ☐

   A. If so and it was shipped, give name and address of purchaser?

	Quantity	Value
_____	_____	_____
_____	_____	_____

   B. If stockpiled awaiting sale, state quantity, grade, and location.

Type	Quantity		Estimated Grade	Location
Ore	_____	Tons	_____	_____
Concentrates	_____	Tons	_____	_____
Other	_____	Tons	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

MME Form 63 8-60 * Property means land subject to the contract. 79340-60

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY O. M. E. RECEIVED SEP 19 1960		
DATE	INITIALS	[illegible]
9-19	gad	VVO
"	[illegible]	110
"	[illegible]	800
"	gla	500
		225

September 13, 1960

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Hugh M. Connors, Acting Field Officer, OME, Region III

Subject: Interim Report of Certified Project for the period
January 27, 1959 to September 3, 1960
Docket DMEA-1702X (Uranium)
Contract Idm-E61
Cherokee Mines
(Copper King mine)
Larimer County, Colorado

Enclosed are the original and two copies of the subject report.

Hugh M. Connors

Hugh M. Connors

Attachments

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 19 1960

DATE	INITIALS	CODE
9-19	gad	110
		110
		800
		500

OFFICE OF MINERALS EXPLORATION

REGION III

Statement in Lieu of Interim Report
of Certified Project

Reporting Period January 27, 1959 to September 3, 1960

Docket and Contract Number DMEA-1702X, Idm-E61 (Uranium)

Operator Cherokee Mines
(Copper King Mine) Larimer County, Colorado

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks: Mr. T. H. Sackett, President, reported by letter dated September 3, 1960 that:

1. There has been no change in ownership, lease or sublease since date of contract, August 30, 1955.

2. There has been no production from the property since January 27, 1959 (the date of previous OME statement in Lieu of Semiannual Report)

Signed [signature]
For T. M. Romslo

Date Sept. 9, 1960

OFFICIAL FILE COPY O. M. E. RECEIVED FEB 2 1959		
DATE	INITIALS	CODE
2-2	C	220
"	[illegible]	110
"	LEF	800
2/3	Murphy	700
2/5	WMC	210
		225

UNITED STATES
DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration
224 New Customhouse
Denver 2, Colorado

January 30, 1959

Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

Subject: Semiannual Report of Certified Project for the period July 1, 1958 through December 31, 1958

DMEA Docket 1702X (Uranium)
Contract Idm-E 61
Cherokee Mines, (Copper King mine), Larimer County, Colo.

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.

J. W. Townsend

Enclosures

cc: Semiannual Report File Idm-E 61
Harshman
Belser, OME/DFC
Chron.

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 2 JAN 29 1959
DATE | INITIALS | CODE
DEPARTMENT OF THE INTERIOR
OME
REGION III
DENVER, COLORADO

OME, REGION III

Statement in Lieu of Semiannual Report

Reporting Period July 1, 1958 through December 31, 1958
Docket and Contract Number DMEA 1702X (Uranium) Contract Idm-E61
Operator Cherokee Mines, (Copper King mine) Larimer County, Colo.

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

Status of the property was verified by H. T. Sackett, County Surveyor, Larimer County, Colorado on Jan. 27, 1959.

Signed Carl Belser
Carl Belser

Date **Jan. 28, 1959**

September 11, 1958

Memorandum

To: W. N. Chamberlain
Records Division

From: F. L. Knouse, Acting Director
Division of Rare and Miscellaneous Metals

Subject: Semiannual Reports of Certified Projects for the period January 1, 1958, through June 30, 1958

Region III has advised that the following projects have been inactive for the above period and data has remained unchanged since the last report:

DMEA-1702	Idm-E61	Cherokee Mines	Uranium
DMEA-2573	Idm-E422	Black Bear Consolidated Mining Co. (Glenn Mining Company, Inc.)	Uranium
DMEA-3078	Idm-E653	George W. Schweigert	Thorium

/s/ F. L. Knouse

F. L. Knouse

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

9/9	Cum	220
"	Fy	100
9/10	[illegible]	110
9/11	Murphy	800
9/11	Nelson	700

September 4, 1958

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, 1958, through June 30, 1958

DMEA Docket 1702X (Uranium)
Contract Idm-E 61
Cherokee Mines, (Copper King mine)
Larimer County, Colorado

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.

J. W. Townsend
Alternate Acting Executive Officer

Enclosures
dz

cc: Semiannual Report File Idm-E 61
Harshman
Salsbury, DMEA/DFC
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
AUG 28 1958
REGION III
DENVER, COLORADO

DMEA, REGION III

Statement in Lieu of Semiannual Report

Reporting Period	January 1, 1958 through June 30, 1958
Docket and Contract Number	DMEA 1702X (Uranium) Contract Idm-E61
Operator	Cherokee Mines, (Copper King mine) Larimer County, Colorado

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

Status of the property was verified by H. T. Sackett, County Surveyor, Larimer County, on August 26, 1958.

Signed M. W. Salsbury

Date 8/26/58

February 21, 1958

Memorandum

To: Wingfield M. Chamberlain
Statistics Branch

From: Ernest Wm. Ellis, Director
Division of Rare and Miscellaneous Metals

Subject: Semi-Annual Report of Certified Project
Period July 1 to December 31, 1957

This Division has received reports on the following projects indicating there has been no activity and conditions are unchanged since the previous report:

Docket	Contract No.	Operator	Commodity
DMEA-1702	Idm-E61	Cherokee Mines	Uranium
DMEA-2419	Idm-E299	David Wiesinen, A. H. Eiselein, et al.	Uranium
DMEA-2781	Idm-E584	Verlen W. Vandeventer	Monazite
DMEA-2891	Idm-E545	J. R. Simplot Company	Columbium, tantalum, uranium
DMEA-3032	Idm-E631	Rare Earths Mining Company	Rare Earths
DMEA-4191	Idm-E994	Coso Uranium Company	Uranium

Ernest Wm. Ellis

Ernest Wm. Ellis

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

February 18, 1958

MINERAL FILE COPY
DMEA
RECEIVED FEB 21 1958

2/21	Com	220
21		100
"		110
2/24	EEF	800
		~~225~~
		700

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 to December 31, 1957

DMEA Docket 1702X (Uranium)
Contract Idm-E 61, Cherokee Mines (Copper King mine)
Larimer County, Colorado

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.

WSL King
Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM:jy

cc: Semiannual Report File E 61
Harshman
DMEA,DFC - 2
Chron.

DMEA
DEPARTMENT OF THE INTERIOR

FEB 10 1958
REGION III
DENVER, COLORADO

DMEA, REGION III

Statement in Lieu of Semiannual Report

Reporting Period July 1, 1957, to December 31, 1957
Docket and Contract Number DMEA 1702X, Contract Idm-E61
Operator Cherokee Mines, Copper King mine (Uranium)
Larimer County, Colorado

The project has been inactive during the reporting period [X]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

Conditions at the mine are unchanged since the last report. Mr Sackett, Larimer County Surveyor, and John Hurdle both reporting of Eeb. 4, 1958.

Signed Carl Belser
Carl Belser

Date February 7, 1958

DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~Rare & Misc. Metals~~ Division Date July 25, 1957

Semi-Annual Report - Certified Project Date 1-1 to 6-30-57

DMEA No. 1702 Operator ~~[illegible]~~ Cherokee Mines Contract No. Idm-E 61

Ore Estimates	Ore Reserves Tons	% U_3O_8 Analysis	Lbs. U_3O_8
Original (DMEA)	500	0.5	5000
Increase (Operator)	None		None
Total	500		5000
Decrease (Production)	627.30	0.29	3688.52
Net Available *	226.1 *	0.29	1311.48 *

* Figures estimated on basis of original estimate of 5000 lbs U_3O_8 in original DMEA ore estimate reserve

Investment

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

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

Facilities

Mine Plant Description	Cost	Mill Description	Cost	Roads Description	Cost

Remarks

Production ceased July 1953. Mine was not operated as a health resort in 1957. Operator is trying to lease mine. Surface equipment appears in operating condition. The property is known and recorded as Blackhawk, rather than as the Copper King.

J M Murphy

100338

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

July 23, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 26 1957

DATE	INITIALS	CODE
7/26	C	220

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 1702X (Uranium)
Contract Idm-E 61, Cherokee Mines (Copper King Mine), Larimer County, Colorado

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 S King
~~XXXXXXXXXXXX~~
Executive Officer, DMEA
Field Team, Region III

Enclosures

MHM/vj

cc: Semiannual Report File E 61
Harshman
DMEA/DFC
Chron.

DMEA
DEPARTMENT OF THE INTERIOR
JUL 22 1957
REGION III
DENVER, COLORADO

DMEA, REGION III

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period Jan. 1, 1957 to June 30, 1957
Docket and Contract Number DMA 1702X, Idm-E61
Operator Cherokee Mines
Copper King Mine (Uranium) Larimer County, Colo.

The project has been inactive during the reporting period [ ]

Pertinent data relative to the subject contract has remained unchanged since the last report [X]

Remarks:

The mine was visited and Sackett was contacted on July 10, 1957. Sackett said the shaft was unwatered and repaired. He is trying to lease the mine, if possible, to someone.

The water level in the shaft was at about 50 feet on July 10. The hoist and compressor are still installed and the surface plant appears to be in operating condition. No ore has been produced and the mine was not operated as a health resort in 1957.

The property is known and recorded as the Blackhawk, rather than as the Copper King.

SPECIAL FILE COPY
DMEA
RECEIVED
DATE

Signed W. J. Tesch Jr.
W. J. Tesch, Jr.

Date July 10, 1957

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare and Misd. Metals Division Date March 27, 1957

Semi-Annual Report - Certified Project Date July 1, 1956 thru Dec. 31 1956

DMEA No. 1702 Operator Cherokee Mines Contract No. Idm-E61

Ore Reserves

Ore Estimates	Tons	Analysis	Lbs. U_3O_8
Original (DMEA)	500	0.5% U_3O_8	5000
Increase (Operator)	None		None
Total	500		5000 lbs.
Decrease (Production) 1/	627.30	0.29% U_3O_8	3688.52
Net Available*	226.1	0.29% U_3O_8	1311.48 lbs.

* 26% of original reserves

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

* Figures arrived at on basis of the 5000 lbs. U_3O_8 in original DMEA ore estimates.

Production ceased July 1953; property now leased to Prairie Divide Mng. Co. for purpose of operating a radon gas health resort.

1/Royalty has been paid on this production.

F M Murphy

100338

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

224 New Customhouse
Denver 2, Colorado

Date: February 26, 1957

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 1702X (Uranium)
Contract Idm-E 61, Cherokee Mines (Copper King Mine), Larimer County, Colorado

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.

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

Enclosures
MHM/vj
cc: Semiannual Report File E 61
J. F. Shaw (2)
E. N. Harshman
Chron.

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 28 1957

DATE	INITIALS	CODE
3/1	C	220

Semiannual Report of Certified Projects

Reporting Period July 1, 1956 to December 31, 1956

Docket and Contract Number Docket DMA-1702X, Idm-E61

Operator Cherokee Mines

Commodity Uranium

Mine Name Copper King Mine

County and State Larimer County, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
FEB 21 1957
REGION III
DENVER, COLORADO

Date of Contract July 16, 1951

Date of Certification February 18, 1953

Expiration Date of Royalty Payments July 16, 1961

Date of Examination for this Report - Examination at property not made because of heavy snow. Statement by T. H. Sackett that shaft is full of water and nothing accomplished during reporting period. Date of examination January 23, 1957.

Total Amount of Contract $24,000.00

Total Expenditures under Contract $23,612.41

Amount of Government Participation at 90 % $21,251.17

OFFICIAL FILE COPY
D M E A
RECEIVED FEB 28 1957

DATE	INITIALS	CODE

Royalty Payments this Period None

Previous Royalty Payments $1,380.68

Total Royalty Payments to Date $1,380.68

% Loan Repayment Completed 6.50 percent

Amount of Royalty Due None

Royalty Remarks

	~~Tons~~	~~Analysis~~
Original Estimate of DMEA Reserves (Field Team Final Report) Mines [ ] Survey [ ] Joint [✓]	5,000 lbs.	U_3O_8
Revised Estimate of DMEA Reserves (Field Team) Mines [ ] Survey [ ] Joint [ ]		
Increase of Reserves by work performed subsequent to DMEA project work	None	
Production DMEA ore (This period)	--	--
(Previous)	3688.52 lbs.	U_3O_8
(To date)	3688.52 lbs.	U_3O_8
" Operator's ore (This period)		
found subsequent (Previous)		
to DMEA work (To date)		

Percent Revised Reserves mined 73.77 percent

(For Uranium Ores Only)

Initial Production Bonus:

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

Pounds U_3O_8 produced this period eligible for Bonus None

Amount of Bonus paid to Operator this period $ None

Total pounds U_3O_8 produced to date eligible for Bonus 3614.27

Total amount of Bonus paid to Operator to date $ 12,527.79

Bonus Royalty Paid $ 626.41

Bonus Royalty Due $ None

Investment Data

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

Signed D. E. Redmon (Engineer)
D. E. Redmon

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date October 15, 1956

Semi-Annual Report - Certified Project Date Jan 1, 1956 - June 30, 1956

DMEA No. 1702 Operator Cherokee Mines Contract No. Idm-E 61

Ore Reserves

Ore Estimates	Tons	Analysis	lbs. U_3O_8
Original (DMEA)	500	0.5% U_3O_8	5000
Increase (Operator)	none		none
Total	500		5000 lbs
Decrease (Production)[1]	627.30	0.29% U_3O_8	3688.52
Net Available *	226.1	0.29% U_3O_8	1311.48 lbs

* 26% of original reserves.

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

* Figures arrived at on basis of the 5000 lbs U_3O_8 in original DMEA ore estimates

Production ceased July 1953, property now leased to Prairie Divide Mng Co. for purpose of operating a radon gas health resort.

[1] Royalty has been paid on this production

J. M. Murphy

100338

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Rare & Misc. Metals Division Date October 15, 1956

Semi-Annual Report - Certified Project Date Jan. 1, 1956, thru June 30, 1956

DMEA No. 1702 Operator Cherokee Mines Contract No. Idm-E 61

Ore Reserves

Ore Estimates	Tons	Analysis
	Revised 850.34	Revised 0.294 U_3O_8
Original (DMEA)	~~500~~	~~0.5 U_3O_8~~
Increase (Operator) none		
Total	850.34	0.294 U_3O_8
Decrease (Production)	627.30	0.294 U_3O_8
Net Available	223.04	0.294 U_3O_8

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

Production ceased July 1953, property now leased to Prarie Divide Mining Co. for the purpose of operating a radon gas mine. Royalty on ore produced has been paid to DMEA.

J. M. Murphy

100338

RECEIVED
OCT 1 1956

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

224 New Customhouse
Denver 2, Colorado

Date: October 10, 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 1702X (Uranium)
Contract Idm-E 61, Cherokee Mines (Copper King Mine), Larimer County, Colorado

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.

E. N. Harshman

~~XXXXXXXXXXXX~~
Acting Executive Officer, DMEA
Field Team, Region III

Enclosures
MHM/vj
cc: Semiannual Report File E 61
J. F. Shaw (2)
E. N. Harshman
Chron.

DMEA, REGION III

DMEA
DEPARTMENT OF THE INTERIOR
OCT 8 1956
REGION III
DENVER, COLORADO

STATEMENT IN LIEU OF SEMIANNUAL REPORT

Reporting Period **January 1, 1956 to June 30, 1956**

Docket and Contract Number **DMA 1702X Idm-E61**

Operator

Cherokee Mines
Copper King mine (Uranium) Larimer Cty., Colo.

	"X" one
The project has been inactive during the reporting period	X
Pertinent data relative to the subject contract has remained unchanged since the last report	

Remarks:

The mine was not operated as a radio-active resort in 1956. The shaft is full of water. The compressor, hoist, and tools are still at the mine.

Signed Carl Belser
Carl Belser
Mining Engineer

Date 10/4/56

1702

ACTION ON INTERIM
OR FINAL FIELD TEAM REPORT

Date 5/8

Referred to:

1. ~~Mr. Mittenbury~~
2. ~~Mr. Johnson~~
3. ~~Mr. Edmiston~~
4. Docket Control Mails and Files
5. _____ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Worked out

2.

3.

4.

and take appropriate action.

- - - - - - - -

Action taken by Division:

Robert E. Adams

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

RECEIVED
MAY 7 - 1956

224 New Customhouse
Denver 2, Colorado

Date: May 4, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: ~~Semiannual~~ Annual Report of Certified Project for the period January 1, 1955 through December 31, 1955
DMEA Docket 1702X (Uranium)
Contract Idm-E 61 Cherokee Mines, (Copper King Mine)
Larimer County, Colorado

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 61
J. F. Shaw (2)
E. N. Harshman
Chron.

Semi-Annual Report of Certified Projects

DMEA
Date Rec'd.
APR 30 1956
BUREAU OF MINES
Denver, Colorado

RECEIVED
MAY 7 - 1956

Reporting Period January 1, 1955 to December 31, 1955

Docket and Contract Number DMA 1702X I-DMA-E61

Operator Cherokee Mines

Commodity Uranium

Mine Name Copper King mine

County and State Larimer County, Colo.

Date of Contract July 16, 1951

Date of Certification February 18, 1953

Expiration Date of Royalty Payments July 16, 1961

Date of Examination for this Report (Examination impractical due to winter weather conditions)

Total Amount of Contract $24,000.00

Total Expenditures under Contract $23,612.41

Amount of Government Participation at 90 % $21,251.17

Royalty Payments this Period $28.83

Previous Royalty Payments $1,351.85

Total Royalty Payments to Date $1,380.68

% Loan Repayment Completed 6.50%

Amount of Royalty Due None

Royalty Remarks

RECEIVED

MAY 7 - 1956

Original Estimate of Reserves (from Final Engr.-Geol. Report): 5,000 lbs. U_3O_8

Increase of Reserves by work performed subsequent to expiration or termination of contract: None

Revised Estimate of Reserves:

Production this Period (Ore or Concentrates) None

Amount of Previous Production (since date of contract) 3,688.52 lbs. U_3O_8

Total DMEA Production to date 3,688.52 lbs. U_3O_8

% of Revised Reserves Mined 73.77%

Production Remarks:

Note: On Uranium projects check with AEC to assure that our records are in agreement with theirs.

Production from the discovery was continuous until July 1953 at which time the operator considered the deposit depleted and suspended all operations. The property since has been leased to the Prairie Divide Mining Co. for the express purpose of operating a radon gas health mine.

Other Remarks:

Signed R. L. Bolmer (Engineer)

R. L. Bolmer

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

224 New Customhouse
Denver 2, Colorado

March 28, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Semi-Annual Report - Docket DMA 1702X, Contract I-DMA-E61, Copper King mine, Larimer County, Colorado

Enclosed are four copies of the Semi-Annual Report on Contract I-DMA-E61.

W. M. Traver

Enclosures

W. M. Traver

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period:	July 1, 1954, to December 31, 1954		
Docket No.:	DMA 1702X	Contract:	I-DMA-E61, dated July 16, 1951
Operator:	Cherokee Mines - T. H. Sackett, President 231 South Grant Street Fort Collins, Colorado		
Name and location of property:	Copper King mine (Blackhawk No. 1 claim) W1/2 sec. 8, T. 10 N., R. 72 W., sixth principal meridian, Prairie Divide Mining District, Larimer County, Colorado		
Owner of property:	Cherokee Mines		
Date project started:	September 10, 1951	Date project completed:	August 31, 1952
Contract amount:	$24,000.00	Amount spent:	$23,612.41
Government participation:	$21,251.17		
Estimate of reserves discovered:	500 tons averaging 0.5 percent U_3O_8		
Date certified:	February 18, 1953		
Remarks:	Production from the discovery began upon the completion of the exploration project and was continuous until July 1953, at which time the operator considered the deposit depleted and suspended all operations. The property since has been leased to the Prairie Divide Mining Company for the express purpose of operating a radon gas health mine.		

Production summary:	Period:	October 1, 1952, to July 23, 1953
	Net dry weight:	622 short tons
	Metal content:	3,614.27 pounds U_3O_8
	Gross value:	$30,399.76
	Net value:	$26,973.50
	Government royalty paid:	$1,351.85

R. L. Palmer

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: January 1, 1954 to June 30, 1954

Docket No.: DMA 1702X Contract I-DMA-E61 (Uranium)

Operator: Cherokee Mines
T. H. Sackett, President
231 South Grant Street
Fort Collins, Colorado

Name of mine: Copper King mine

County: Larimer County, Colorado

Date certified: February 18, 1953

Contract amount: $24,000.00 Amount spent: $23,612.41

Government Participation: $21,251.17

Reserves: 5,000 lbs. U_3O_8

Remarks: Production from the discovery began upon the completion of the exploration project and was continuous more or less until July 1953, at which time the operator considered the deposit depleted and suspended all operations. In all, 622 tons of ore averaging 0.29 percent U_3O_8 were marketed. The Governments percentage royalty on this production has been paid.

The operator since has leased the mine to the Prairie Divide Mining Company for the express purpose of operating a radon gas health mine. This company installed a cage and new pump and equipped the 65- and 110-foot levels with benches and electric lights for the convenience of visitors. The venture reportedly has proven profitable.

The operator recently prospected certain areas surrounding the mine by means of a M-scope. One strong anomalie detected on property adjacent to the Blackhawk claim

presently is being tested further by a shallow shaft. Only July 7, 1954, the shaft reportedly had been sunk some 18 feet below the surface and yet was in overburden.

Production Summary:

Period:	10/1/52 to 7/23/53
Net dry weight:	622 short tons
U_3O_8 content:	3,614.27 pounds
Gross value:	$30,399.76
Net value:	$26,973.50
Government Royalty paid:	$1,351.85

RLB/ici

I-DMA-E61

UNITES STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period:	July 1, 1953 to December 31, 1953		
Docket No.:	DMA 1702X	Commodity:	Uranium
Exploration Project Contract No.:	I-DMA-E61	Date of Contract:	July 16, 1951
Operator:	Cherokee Mines - T. H. Sackett, President 231 South Grant Street Fort Collins, Colo.		
Name and Location of Property:	Copper King mine (Blackhawk No. 1 claim), W1/2 sec. 8, T. 10 N., R. 72 W., sixth principal meridian, Prairie Divide Mining District, Larimer County, Colo.		
Owner of Property:	Cherokee Mines		
Date Project Started:	September 10, 1951	Date Project Completed:	August 31, 1952
Contract Amount:	$24,000.00	Amount spent:	$23,612.41
		Government Participation:	$21,251.17
Estimate of Reserves Discovered:	500 tons averaging 0.5 percent U_3O_8		
Date of Certification of Discovery:	February 18, 1953		

Remarks: Production from the discovery certified at the Copper King mine began upon the completion of work under the exploration project contract. Mining operations were carried out continuously with two or three employees until July 1953. The final production from the deposit, carlot 13, was shipped July 23, 1953. All mining operations were curtailed shortly thereafter. The lower mine workings have been allowed to flood. The

operator considers the deposit depleted of commercial grade uranium ore and does not contemplate further exploration or development of the property. In all, 622 tons of ore averaging 0.29 percent U_3O_8, subject to the Government's percentage royalty, were produced from the discovery. Royalty on this production has been received by the Government.

Summary of Production

Date of shipments:	10/1/52 to 7/23/53
Carlots:	1 through 13
Net dry weight:	622 short tons
U_3O_8 content:	3,614.27 pounds
Gross value*:	$30,399.76
Freight:	$3,426.26
Net value:	$26,973.50
Government royalty paid:	$1,351.85

*Includes minimum price, development allowance, premium payment, haulage allowance, and initial production bonus.

RLB/kp
E61

COPY

T. H. SACKETT
County Surveyor
Fort Collins, Colorado

Residence - 231 South Grant
Phone 839

County Garage Office Building
Phone 505

Jan 21 1954

Mr. W. M. Traver, Chief
Mineral Resources Branch,
Mining Division, Region IV
Building 20, Room 137
Denver Federal Center
Denver 14, Colo.

Re: DMA 1702X (Uranium) Contract
I-DMA-E61, Cherokee Mines,
Copper King Mine,
Larimer County, Colo.

Dear Mr. Traver:

In compliance with your letter of January 12 with reference to operations at our Copper King Mine since shipping carlot No. 13, I am writing this letter to tell you that due to the fact that we feel further exploration or development work could not locate more ore and consequently we have discontinued all mining operations.

The Cherokee Mines Company have leased the mine to another group, The Prairie Divide Uranium Mines Company, for the express purpose of operating a radon gas health mine. This group have installed a cage and fitted up the 65 foot level with seats and electric lights for the convenience of visitors.

We will continue to hold the property and do the assessment work. Otherwise no further mining is contemplated at this time.

Yours very truly,

Cherokee Mines

/s/ T. H. Sackett

T. H. Sackett, Pres.

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

224 New Customhouse
Denver 2, Colorado

September 22, 1953.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Semiannual Report - Docket No. DMA-1702X, Contract No. I-DMA-E61 (Uranium), Cherokee Mines.

Enclosed are four copies of the Semiannual Report on Contract No. I-DMA-E61.

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period:	January 1, 1953 to June 30, 1953
Docket No.:	DMA 1702X Contract I-DMA-E61 (Uranium)
Operator:	Cherokee Mines; T. H. Sackett, president; 231 South Grant Street, Fort Collins, Colo.
Name of Mine:	Copper King Location: Larimer County, Colo.
Date Certified:	February 18, 1953
Contract Amount:	$24,000.00 Amount spent: $23,612.41
Government Participation:	$21,251.17
Remarks:	Exploration under contract I-DMA-E61 resulted in a significant discovery of uranium ore. Production from the discovery began at the completion of contract work and had been continuous to the date of the latest inspection. It was apparent during the last inspection that the deposit had been nearly depleted. The operating crew expected that a thirteenth carload, then being loaded, would complete all production operations at the property. Notification was received later that all operations at the property terminated July 17, 1953, upon the shipment of the thirteenth carload. The operator considers the deposit depleted and anticipates no further production from the property. The mine has been allowed to fill with water. The highest grade ore in the discovery occurred in a narrow shoot along the eastern edge of the shaft between the 110- and 132-foot depths. Commercial grade mineral did not extend farther than 30 feet east of the shaft. A single small lense of ore was stoped between the 70- and 110-foot levels east of the shaft. Only a few tons of ore were extracted west of the shaft on the 110-foot level.

Summary of Production from Discovery

Lot Number	Date	Dry Tons	Pounds U_3O_8	Net Value 1/	Government Royalty Due
1 - 2	to 1/1/53	97.824	809.74	$ 6,234.35	$ 311.72
3 -12	1/1/ to 6/30/53	409.1535	2,508.02	18,629.62	931.48
13	7/17/53	55.1155	242.51	1,920.59	96.03
Total Production		622.093	3,560.27	$26,784.56	$1,339.23

1/ Includes minimum price, development allowance, premium payment where applicable, haulage allowance, and initial production bonus--less freight charges.

RLB/le

4-25-56

RECEIVED
APR 2 3 1956

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

224 New Customhouse
Denver 2, Colorado

Date: April 23, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Royalty payments, DMEA Docket 1702 (Uranium), Contract Idm-E61, Cherokee Mines - Colorado

Period: March, 1956

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

Lot No.	Dry Tons	Royalty Due	Royalty Pd.

(NONE)

637.322 according to report of 4/23/56

Totals:

Past Due Royalties Collected	None
Total Dry Tons (Ore or Cons.) Shipped to Date	622.094
Expiration Date of Royalty Repayment	July 16, 1961
Amount of Government Participation	$21,251.17
Total Royalty Payments to Date	$1,380.68
Percent of Loan Repayment	6.5%

W. M. Traver

vj
cc Royalty File E 61 w/Settlement Sheets
Monthly Royalty Payment File
~~T. A. Christensen~~
J. F. Shaw (2)
Chron.

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

Department of the Interior
Defense Minerals Administration
RECEIVED
AUG 24 1953

224 New Customhouse
Denver 2, Colorado

August 21, 1953.

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region IV

Subject: Royalty - Docket No. DMEA-1702X, Contract No. Idm-E61 (Uranium), Cherokee Mines, Larimer County, Colorado.

Enclosed are your copies of settlement sheets covering Lots 10, 11, 12 and 13 shipped by the Cherokee Mines to the American Smelting and Refining Company.

W. H. King
W. H. King

Enclosures

NB

Form No. 4 12-52-10M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station [illegible] Grand Junction, Colorado [illegible] 19 53

Liquidation No. [illegible] Lot No. [illegible] Shippers Lot No. [illegible]

Bought of [illegible] A.E.C. License No. [illegible]

Address [illegible]

Type of Ore [illegible] Date Received [illegible]

Mining Claim [illegible] Mining District [illegible] Pile No. [illegible]

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]		[illegible]

[illegible]	Per Lbs.	Per Ton	Short Tons	Total Value
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Development allowance [illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL [illegible] PAYMENT		[illegible]	[illegible]	[illegible]
Haulage allowance [illegible] miles @ 6¢ per wet ton mile			[illegible]	[illegible]
TOTAL GROSS PRICE				[illegible]
Deductions				[illegible]
NET PROCEEDS				[illegible]

Correct [illegible]
Checked [illegible]
Approved [illegible]

Paid July 23, 1953
Vo. No. [illegible]
Check No. [illegible]

5 % of 563.04 = $28.15 U.S. [illegible]

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Commission.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Commission, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein.

[illegible] Seller or Agent.

By [illegible]

Title Pres.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 4 12-52-10M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station Monticello, Utah — Grand Junction, Colorado July 24 19 53

Liquidation No. 4129 — Lot No. CPX Plateau #2 — Shippers Lot No. 11

Bought of Cherokee Mines — A.E.C. License No. P-1026

Address 231 South Grant Street, Ft. Collins, Colorado

Type of Ore Uraninite - Contract No. AT(05-1)-175-121-F — Date Received 6/18/53

Mining Claim Black Hawk — Mining District Prairie Divide — Pile No. BHP

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
O.P.#2 C&S Car 16959	10[illegible]	4.20	10003[illegible]	.26		1.2	260.09		1200.41

U3O8	Per Lb.	Per Ton	Short Tons	Total Value
.26% - 5.2# at	$3.50	$18.20	50.0170	$ 910.31
Development allowance 5.2# at	.50	2.60	"	130.04
Premium in excess of 1# per ton 1.2# (5.2# - 1# = 1.2#) at	.75	[illegible]	"	45.02
TOTAL U3O8 PAYMENT		$21.70	50.0170	$1,085.37
Haulage allowance 85 miles @ 6¢ per wet ton mile			52.2100	78.32
TOTAL GROSS PRICE				$1,163.69
Deductions				- - -
NET PROCEEDS				$1,163.69

Correct WKC
Checked LRJ
Approved RCJ

Paid July 23, 1953
Vo. No. 7/158
Check No. 9578

5% of $1163.69 = $58.18 U.S. royalty

eir

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Commission.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Commission, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein.

Cherokee Mines
By H. Lee Pelt
Title Pres
Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 4 12-52-10M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station Monticello, Utah Grand Junction, Colorado July 24 19 53
Liquidation No. 4290 Lot No. Off Plateau #3 Shippers Lot No. 10
Bought of Cherokee Mines A.E.C. License No. [illegible]
Address 271 South Grant Street, Ft. Collins, Colorado
Type of Ore Uranium - Contract No. AT(05-1)-Gen-175-121-8 Date Received 6/26/53
Mining Claim Black N mk Mining District Prairie Divide Pile No. [illegible]

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
0.7.#3	103240	3.55	99515	.28		0.8	278.82		796.60
CBAL Car 31349									

U308	Per Lb.	Per Ton	Short Tons	Total Value
.28% - 5.6# at	$3.50	$19.60	49.7575	$975.81
Development allowance 5.6# at	.50	2.80	"	139.41
Premium in excess of 4# per ton 1.6# (5.6# - 4# = 1.6#) at	.75	1.20	"	59.75
TOTAL U308 PAYMENT		$23.60	49.7575	$1,175.99
Haulage allowance 25 miles @ 6¢ per wet ton mile			51.6000	77.43
TOTAL GROSS PRICE				$1,252.42
Deductions: Amount withheld to insure freight cost on lot now in transit. This amount has been placed to your credit and will be released upon determination of assay on lot in transit.				- 700.00
NET PROCEEDS				$ 552.42

Correct WEC Paid July 23, 1953
Checked LRJ Vo. No. 7/138
Approved EJ Check No. 9578

50% of 552.42 = 27.62 (U.S. royalty)
Balance of royalty will be picked up as a credit on some subsequent settlement sheet when actual freight cost is determined.

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Commission.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Commission, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein.

Cherokee Mines H Beckett
By Seller or Agent.
Title Ore

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 4 12-52-10M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station _____ Grand Junction, Colorado _____ 19____

Liquidation No. _____ Lot No. _____ Shipper's Lot No. _____

Bought of _____ A.E.C. License No. _____

Address _____

Type of Ore _____ Date Received _____

Mining Claim _____ Mining District _____ File No. _____

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS				CONTENTS POUNDS			
				U_3O_8	V_2O_5	$CaCO_3$		U_3O_8	V_2O_5	$CaCO_3$	

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Commission.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Commission, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein.

_____
Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 4 12-52-10M

COLORADO PLATEAU URANIUM ORE PROJECT

American Smelting and Refining Company, Ore Purchasing Agent For
United States Atomic Energy Commission

Receiving Station: Monticello, Utah — Grand Junction, Colorado: August 3 19 53

Liquidation No.: 4165 — Lot No.: O.P. - 5 — Shippers Lot No.: 13

Bought of: Cherokee Mines — A.E.C. License No.: P-1026

Address: 231 So. Grant Street, Fort Collins, Colorado

Type of Ore: Uranium - Contract No. AT-05-1-Gen-175-1217 — Date Received: 7/23/53

Mining Claim: Block H mill — Mining District: Prairie Divide — Pile No.: OP

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
OP #5	113640	3.00	110231	.22	-	0.8	242.51	-	881.85
C&S Car 17205									

U3O8	Per Lb.	Per Ton	Short Tons	Total Value
.22% - 4.4# at	$3.50	$15.40	55.1155	$848.79
Development allowance 4.4# at	.50	2.20	"	121.85
Premium in excess of 4# per ton .4# (4.4# - 4# = .4#) at	.75	.30	"	16.53
TOTAL U3O8 PAYMENT		$17.90	55.1155	$986.57
Haulage allowance 25 miles @ 6¢ per wet ton mile			56.8000	85.23
TOTAL GROSS PRICE				$1,071.80
Deductions				- - -
NET PROCEEDS				$1,071.80

Correct WEG — Paid August 3, 1953
Checked IRJ — Vo. No. 8/8
Approved BCJ — Check No. 967A

5% of $1071.80 = $53.59 (U.S. royalty)

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Commission.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Commission, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement, except for final quarterly adjustment for average V_2O_5—U_3O_8 ratio, for sums due to me on account of the ore deliveries described herein.

Cherokee Mines
By H. Hackett — Seller or Agent.
Pres.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of partials.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Defense Minerals Administration
RECEIVED
AUG 3 1953

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

224 New Customhouse
Denver 2, Colorado

July 31, 1953

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheets, Contract Idm-E61, Docket DMEA-1702X
Cherokee Mines

Reference is made to the settlement sheets covering Lot Nos. 1 through 10 shipped by the Cherokee Mines. The royalty payments on Lot Nos. 1 and 10 are correct. The settlement sheet covering Lot No. 4 included freight for Lot Nos. 2 and 3 as well as Lot No. 4. We charged the freight on these two lots against Lot No. 3 and recalculated the royalty. The Vitro Chemical Company did not deduct the freight from Lot Nos. 4, 5, 6, 7, 8 and 9 before calculating the royalty. We have recalculated the royalties on these lots. The following table gives the amount of royalty paid for each lot and the correct amount of royalty:

Lot No.	Corrected Royalty	Royalty Paid
1	93.55	93.55
2	84.09	84.09
3	53.77	67.67
4	57.94	81.13
5	40.47	63.73
6	59.20	79.42
7	36.31	55.96
8	58.93	78.54
9	35.48	56.67
10	35.05	35.03
Total	$554.77	$695.79

Credit to
Cherokee Mines $141.02

According to our calculations the Cherokee Mines should be credited with $141.02. Please advise us if this is correct.

We would also appreciate any suggestions you might have regarding the collection of royalty on production bonuses paid directly to shippers of uranium by the Atomic Energy Commission. It is our understanding that the Atomic Energy Commission will not deduct royalties. These payments are sometimes made to the operator several months after the initial settlement has been made for the ore.

W. H. King

W. H. King

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

224 New Customhouse
Denver 2, Colorado

July 7, 1953

Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheet - Contract Idm-E61, Docket No. DMEA 1702X, Cherokee Mines

Enclosed is your copy of a settlement sheet covering lot number 10 from the Cherokee Mines to the Vitro Chemical Company.

W. H. King

Settlement sheet
& Rare & Mess. div.
Oc

Form No. 4-5M-4-51

VITRO CHEMICAL COMPANY

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station: Salt Lake City, Utah

Salt Lake City, Utah June 5, 1953

Liquidation No. 328 Lot No. 1076 Shippers Lot No. 10

Bought of: Atomic Energy Commission A.E.C. License No.

Address: P. O. Box 270, Grand Junction, Colorado

Type of Ore: Cherokee Mines Date Received May 27, 1953

Mining Claim: Blackhawk 1 & 2 Mining District: Prairie Divide, Laramie County, Colo. Pile No. 1A

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$C_a CO_3$		CONTENTS POUNDS U_3O_8	V_2O_5	$C_a CO_3$	
1076	99,340	3.95	95,416	0.17				162.21			

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.17% = 3.4# at	$ 2.90	9.860	47.708	$ 470.40
Development allowance 3.4# at	.50	1.700	47.708	81.10
U308 Value		11.560	47.708	551.50
Haulage allowance per contract AT (49-1)-849		3.000	49.670	149.01
Total U308 Value				700.51
Royalty - 5% of $700.51 Payable to Treasurer of the United States c/o W. H. King - DMEA Executive Officer Room 224 New Customhouse Denver, Colorado				35.03
				$ 665.48

Correct L. A. T. Paid 6/10/53

Checked Vo. No. 6-147

Approved L. A. T. Check No. 3825

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

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

224 New Customhouse
Denver 2, Colorado

May 29, 1953

Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheet - Contract Idm-E61 (Uranium), Docket No. DMEA 1702, Cherokee Mines

Enclosed is your copy of a settlement sheet covering a shipment of mine lot number 9 from the Cherokee Mines to the Vitro Chemical Company.

John F. Shaw, for
W. H. King

Enclosure

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

224 New Customhouse
Denver 2, Colorado

May 29, 1953

Memorandum

To: Secretary, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Settlement Sheet - Contract Idm-E61 (Uranium), Docket No. DMEA 1702, Cherokee Mines

Enclosed is your copy of a settlement sheet covering a shipment of mine lot number 9 from the Cherokee Mines to the Vitro Chemical Company.

John F. Shaw

John F. Shaw, for
W. H. King

Enclosure

Form No. 4-5M-4-51

VITRO CHEMICAL COMPANY

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station: Salt Lake City, Utah — Salt Lake City, Utah: May 14, 1953

Liquidation No.: 322 — Lot No.: 1026 — Shippers Lot No.: 9

Bought of: Cherokee Mines — A.E.C. License No.: P-1026

Address: 251 South Grant Street, Fort Collins, Colorado

Type of Ore: Uraninite — Date Received: May 9, 1953

Mining Claim: Blackhawk #1 — Mining District: Laramie County, Colo. — Pile No.:

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$C_a CO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$C_a CO_3$
1026	96,840	2.75	94,176	.22			207.19		

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.22% = 4.4# at	$ 3.50	$ 15.400	47.088	$ 725.16
Development allowance 4.4# at	.50	2.200	47.088	103.59
Premium in excess of 4 lbs. per ton 0.4# (4.4# - 4# = 0.4#) at	.75	.300	47.088	14.13
U308 Value		17.900	47.088	842.88
Haulage allowance 100 miles at 6¢ per wet ton mile		6.000	48.420	290.52
Total U308 Value				$ 1,133.40

Deductions: Railroad Freight per attached freight bill — 423.83

Royalty: 5% of $1,133.40 — 56.67 — 480.50

Payable to Treasurer of the United States
c/o W. H. King,
Executive Officer DMEA
Room 224 New Customhouse
Denver, Colorado

$ 652.90

CORRECT R. J. S.
CHECKED A.E.B.
APPROVED L. A. T.

PAID 5/26/53
VO NO. 5-120
CHECK NO. 3056

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

VITRO CHEMICAL COMPANY

URANIUM VANADIUM

600 WEST 33RD SOUTH
SALT LAKE CITY 15, UTAH

TELEPHONE 7-1501

P. O. BOX 67
SOUTH SALT LAKE STATION

April 27, 1953

Mr. W. H. King
Executive Officer DMEA
224 New Customhouse
Denver, Colorado

Dear Mr. King:

We are enclosing our check No. 2931 in payment of royalty on Cherokee Mines shipment, Lot 8, our Lot 938.

The above check, in the amount of $78.54, is 5% of $1,570.82 as per the enclosed copies of the Cherokee settlement sheet.

Yours very truly

VITRO CHEMICAL COMPANY

Harold D. Haight
Office Manager

HDH:MD
Enclosure

cc- Cherokee Mines

Cherokee Mines (E61)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 14 1953

Form No. 4-6M 4-51

VITRO CHEMICAL COMPANY

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station: Salt Lake City, Utah — Salt Lake City, Utah April 10, 1953

Liquidation No. 319 Lot No. 938 — Shippers Lot No. 8

Bought of: Cherokee Mines — A.E.C. License No. P-1026

Address: 251 South Grant Street, Fort Collins, Colorado

Type of Ore: Uraninite — Date Received 4/4/53

Mining Claim: Blackhawk #1 — Mining District: Prairie Divide, Laramie County, Colo. — Pile No. 1A

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
938	89,620	3.95	86,080	.35			301.28		

U308	Per Lb.	Per Ton	Short Tons	Total Value
.35% = 7.0# at	$ 3.50	24.500	43.040	$ 1,054.48
Development allowance 7.0# at	.50	3.500	43.040	150.64
Premium in excess of 4 lbs. per ton 3.0# (7.0# - 4# = 3.0#) at	.75	2.250	43.040	96.84
U308 Value		30.250	43.040	1,301.96
Haulage allowance 100 miles at 6¢ per wet ton mile		6.000	44.810	268.86
Total U308 Value				1,570.82

Deductions: Railroad freight per attached freight bill — 392.24

Royalty: 5% of $1,570.82 — 78.54

Payable to Treasurer of the United States
c/o W. H. King, Executive Officer DMEA
Room 224, New Customhouse
Denver, Colorado — 470.78

NET PROCEEDS — $ 1,100.04

Correct R. J. S.
Checked A. W. B.
Approved L. A. T.

Paid 4/27/53
Vo. No. 4-107
Check No. 2929

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Seller or Agent.

Buyer's assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 4-5M-4-51

VITRO CHEMICAL COMPANY

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station Salt Lake City, Utah Salt Lake City, Utah January 3, 19 53

Liquidation No. 230 Lot No. 737 Shippers Lot No. 2

Bought of Cheraloan Mines, c/o T. M. Leakatt A.E.C. License No. [illegible]

Address 231 North Grant Street, Fort Collins, Colorado

Type of Ore Uraninite Date Received December 15, 1952

Mining Claim Copper King ~~Black Bear 1 and 2~~ Mining District Prairie Divide Prairie County, Colo. Pile No. 1A

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$Ca\ CO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$Ca\ CO_3$
737	110,800	2.7	107,[illegible]	.76			[illegible].11		

U3O8	Per Lb.	Per Ton	Short Tons	Total Value
.36% = 7.2% at	$ 3.50	25.200	53.904	$ 1,358.35
Development allowance 7.2% at	.50	3.600	53.904	194.06
Premium in excess of 4 lbs. per ton 3.2% (7.2% - 4% = 3.2%) at	.75	2.400	53.904	129.37
U3O8 Value		31.200	53.904	$ 1,681.80
Royalty Payable to: Treasurer of the United States 5% of $1,681.80				84.09
				$ 1,597.71

Correct E. J. S.
Checked
Approved L. A. F.

Paid 1-22-53
Vo. No. 1-123
Check No. 2475

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 1-5M-1-51

VITRO CHEMICAL COMPANY

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station Salt Lake City, Utah

Liquidation No. 297 Lot No. 745

Bought of Cherokee Mines, c/o E. H. Hackett

Address 231 So. Grant Street, Fort Collins, Colorado

Type of Ore Uraninite

Mining Claim Copper King Mining District Prairie Divide Sublette County, Wyo.

Salt Lake City, Utah January 14, 1953

Shippers Lot No. 3

A.E.C. License No. [illegible]-1 [illegible]

Date Received January 5, 1953

Pile No. 1A

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
745	61,000	5.79	56,754	0.55			312.31		

UO_2	Per Lb.	Per Ton	Short Tons	Total Value
0.30% = 7.2% at	$ 3.50	25.200	43.377	$ 1,093.10
Development allowance 7.2% at	.50	3.600	43.377	156.16
Premium in excess of 4 Dr. per ton 3.2% (7.2% - 4% = 3.2%) at	.75	2.400	43.377	104.10
UO_2 Value		31.200	43.377	$ 1,353.36
Purchased F.O.B. Mine - Haulage Allowance -				None
Total UO_2 Value				1,353.36
Royalty payable to Treasurer of the United States 5% x $1,353.36 = c/o [illegible], Executive Officer U.M.P.A. Room 224 New Custom House Denver, Colorado			67.67	67.67
Net Proceeds				$ 1,285.69

Correct R. J. S.
Checked
Approved

Paid 1/23/53
Vo. No. 1-125
Check No. 2271

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 4-5M-4-51

VITRO CHEMICAL COMPAI

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station: Salt Lake City, Utah — Salt Lake City, Utah: February 23, 19 53

Liquidation No.: 311 — Lot No.: 793 — Shippers Lot No.: 4

Bought of: Cherokee Mines — A.E.C. License No.: P-1028

Address: 231 South Grant Street, Fort Collins, Colorado

Type of Ore: Uraninite — Date Received: February 11, 1953

Mining Claim: Black Hawk #1 — Mining District: Prairie Divide, Laramie County, Colorado — Pile No.: 1A

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$C_a CO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$C_a CO_3$
793	108,980	3.45	102,324	0.30	-	-	306.97		

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.30% = 6.0# at	$ 3.50	$ 21.000	51.162	$ 1,074.40
Development allowance 6.0# at	.50	3.000	51.162	153.49
Premium in excess of 4 lbs. per ton 2.0# (6.0# - 4# = 2.0#) at	.75	1.500	51.162	76.74
U308 Value		26.500	51.162	1,304.63
Haulage allowance 100 miles at 6¢ per wet ton mile		6.000	52.990	317.94
Total U308 Value				1,622.57

Deductions:

Royalty: Per D.M.E.A. Loan Agreement - Payable to Treasurer of the United States
- Shipper's Lot No. 4 - 5% of $1,622.57 — $ 81.13
- Shipper's Lot No. 2 & 3 - 5% of $604.74 — 30.28 — 111.41

Freight: To correct error of overpayment for railroad freight on Shipper's Lots 2 + 3 — 277.93
(See detail sheet attached)
Railroad freight on Shipper's Lot No. 4 — 463.85 — 741.78 — 853.19

NET PROCEEDS $ 769.38

Correct R. J. C.
Checked K. E. H.
Approved L. K. T.

Paid
Vo. No.
Check No.

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 4-6M-4-51

VITRO CHEMICAL COMPANY

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station: Salt Lake City, Utah — Salt Lake City, Utah: February 26, 1953

Liquidation No.: 312 — Lot No.: 817 — Shippers Lot No.: 5

Bought of: Cherokee Mines — A.E.C. License No.: P-1026

Address: 231 South Grant Street, Fort Collins, Colorado

Type of Ore: Uraninite — Date Received: February 17, 1953

Mining Claim: Black Hawk #1 — Mining District: Prairie Divide, Laramie County, Colorado — Pile No.: 00

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	SETTLEMENT ASSAYS V_2O_5	SETTLEMENT ASSAYS $C_a CO_3$	CONTENTS POUNDS U_3O_8	CONTENTS POUNDS V_2O_5	CONTENTS POUNDS $C_a CO_3$
817	106,300	4.6	101,410	.23			233.24		

U3O8	Per Lb.	Per Ton	Short Tons	Total Value
.23% = 4.6# at	$ 3.50	16.100	50.705	$ 816.35
Development allowance 4.6# at	.50	2.300	50.705	116.62
Premium in excess of 4 lbs. per ton .3# (4.3# - 4# = .3#) at	.75	.450	50.705	22.82
U3O8 Value		18.850	50.705	$ 955.79
Haulage allowance 100 miles at 6¢ per wet ton mile		6.000	53.100	318.90
Total U3O8 Value				$ 1,274.69

Deductions: Freight on this lot, per attached freight bill — 435.28

Royalty: 8% of $1,274.69 — 63.78 — 528.98

Payable to Treasurer of the United States
c/o W. W. King, Executive Officer D.M.M.A.
Room 224 New Custom House
Denver, Colorado

U.S. [illegible] — $ 745.71

Correct W. J. W.
Checked A. E. W.
Approved L. A. T.

Paid
Vo. No.
Check No.

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 4-5M-1-51

VITRO CHEMICAL COMPANY

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station: Salt Lake City, Utah

Liquidation No. 241 Lot No. 643

Salt Lake City, Utah October 7, 1952

Bought of: Cherokee Mines, c/o T. H. Sackett

Shippers Lot No. 1

Address: 231 So. Grant Street, Fort Collins, Colorado

A.E.C. License No. P-1026

Type of Ore: Uraninite

Mining Claim: Black Hawk #1 & 2

Mining District: Prairie Divide, Larimer County, Colorado

Date Received: October 1, 1952

Pile No. 1A

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	C_aCO_3	CONTENTS POUNDS U_3O_8	V_2O_5	C_aCO_3
643	90,000	2.40	87,840	.48	-	-	421.63		

U308

	Per Lb.	Per Ton	Short Tons	Total Value
.48% = 9.6# at	8.50	33.600	43.920	$ 1,475.71
Development allowance 9.6# at	.50	4.300	43.920	210.82
Premium in excess of 4 lbs. per ton 5.6# (9.6# - 4# = 5.6#) at	.75	4.200	43.920	184.46
Total U308 Payment		42.600	43.920	$ 1,870.99

Royalty Payable to Treasurer of the United States
5% x $1,870.99 = $93.55

	93.55
Net Proceeds	$ 1,777.44

Correct L. A. T.
Checked A. L. R.
Approved L. A. T.

Paid 10/21/52
Vo. No. 10-65
Check No. 1913

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Seller or Agent.

Form No. 4-5M-4-51

— VITRO CHEMICAL COMPA...

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station: Salt Lake City, Utah — Salt Lake City, Utah: March 25, 1953

Liquidation No.: 316 — Lot No.: 360 — Shippers Lot No.: [illegible]

Bought of: Cherokee Mines — A.E.C. License No.: 1-1026

Address: 231 South Grant Street, Fort Collins, Colorado

Type of Ore: Uraninite — Date Received: March 4, 1953

Mining Claim: Blackhawk #1 — Mining District: Prairie Divide, Larimer County, Colorado — Pile No.:

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
360	92,420	8.2	86,890	.35			303.42		

U3O8	Per Lb.	Per Ton	Short Tons	Total Value
.35% = 7.0# et	$ 3.50	24.500	43.345	1,[illegible]
Development allowance 7.0# et	.10	3.500	43.345	[illegible]
Premium in excess of 4 lbs. per ton 3.0# (7.0# - 4# = 3.0#) et	.75	2.250	43.345	[illegible]
U3O8 Value		30.250	43.345	1,311.19
Haulage allowance 100 miles at 6¢ per net ton mile		6.000	43.345	[illegible]
Total U3O8 Value				1,[illegible].43
Deductions: Railroad freight charges per attached freight bill			204.4[illegible]	
Royalty: 5% of 1,[illegible].45			[illegible].43	[illegible]
Net Proceeds				1,[illegible].54

Correct: R. J. S.
Checked: T. F. T.
Approved: L. A. T.

Date: 3/27/53
Ja. No.: 3-193
Check No.: [illegible]

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

Form No. 4-5M-4-51

VITRO CHEMICAL COMPANY

600 WEST 33rd SOUTH P. O. BOX 67

Receiving Station: Salt Lake City, Utah — Salt Lake City, Utah March 24, 1953

Liquidation No. 317 — Lot No. 360 — Shippers Lot No. 7

Bought of: Cleveland Mines — A.E.C. License No. I-1026

Address: 211 South Grant Street, Fort Collins, Colorado

Type of Ore: Uraninite — Date Received: March 19, 1953

Mining Claim: Blackhawk #1 — Mining District: Prairie Divide — Pile No. 00

Laramie County, Colorado

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	Cu_2CO_3	CONTENTS POUNDS U_3O_8	V_2O_5	Cu_2CO_3
[illegible]	[illegible],200	4.40	[illegible],242	.24			206.04		

U3O8	Per Lb.	Per Ton	Short Tons	Total Value
0.24% = 4.8# at	$ 3.50	16.800	42.924	$ 721.13
Development allowance 4.2# at	.50	2.400	42.924	103.02
Premium in excess of 4 lbs. per ton 0.04% (4.8# - 4# = 0.8#) at	.75	.600	42.924	25.75
U3O8 Value		19.800	42.924	$ 849.90
Haulage allowance 100 miles at 0¢ per net ton mile		0.000	44.900	269.40
Total U3O8 Value				$ 1,119.30
Deductions: Freight on this lot per attached freight bill			393.03	
Sampling: 5% of $1,119.30			55.96	448.99
Net Payment				$ 670.31

Correct [illegible] J. J. C.
Checked [illegible] J. [illegible]
Approved [illegible] J. A. [illegible]

Paid 3/27/53
Vo. No. 3-193
Check No. 2510

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Vitro Chemical Co.

I certify that I hold the A. E. C. Source Material License numbered above.

I hereby transfer to the Vitro Chemical Co., effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.

I will accept the amount as shown above as "Total Gross Price" in full settlement.

Seller or Agent.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.
All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

1/28/53 gla

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

224 New Customhouse
Denver 2, Colorado

January 22, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 30 1953

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Final Form MF-104, DMA Docket 1702X, Contract Idm-E61, (Uranium) Cherokee Mines, Larimer County, Colorado

Enclosed are two copies of the Operator's Final 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 1702X, Contract Idm-E61, Cherokee Mines. Also enclosed are the Operator's bid in the disposal of jointly owned property purchased under the contract, and Government's acceptance of the bid.

Forms were processed for payment in conformance with the final Audit Report by the Contract Administrative and Audit Division dated December 15, 1952.

Copies of Engineer's Final Report, Geologists's Final Report, and Operator's Final Report will be transmitted at a later date after all have been submitted.

W. H. King

W. H. King

Enclosures

[illegible]
[illegible]
[illegible]

Administrative Audit Difference Statement

Date: January 21, 1953
Payee's
Reference: Progress
Report - August 1952
Final

Cherokee Mines
231 So. Grant Street
Fort Collins, Colorado

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

Amount Claimed $2,403.94

Difference $ 483.17

Amount Approved $1,920.77

The reason for the difference was due to:

Audit disallowances	$225.72
Liquidation (Property Equity)	277.77
	503.49
Reinstated	20.32
	$483.17

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
4-25-52 [illegible]

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

Customhouse
Denver 2, Colorado

January 20, 1953

Memorandum

To: T. A. Christensen

From: Executive Officer, Field Team, Region IV

Subject: DMA Docket 17USX, Contract Idm-261, (Uranium) Cherokee Mines, Larimer County, Colorado - Operator's Monthly Progress Report for the period of August, 1952

Enclosed are the original and four copies of Form MF-104 and 104A, Narrative Report, and Engineer's Report for the above period. In addition, there is attached to each MF-104 Report a copy of the Operator's bid in the settlement of the Government's equity in jointly owned property, and a copy of the Government's acceptance of the Operator's bid.

This report constitutes the final payment under the contract in accordance with the Final Audit Certificate and Report by the Contract Administration and Audit Division dated December 15, 1952.

Payment is recommended as follows:

Amount Claimed this Report -		$2,403.94
Audit Reinstatement of prior disallowances -		20.32
Adjusted Total -		$2,424.26
Audit disallowances ($245.93 less $20.21 deducted in July) -	$225.72	
Liquidations (Property equities) -	277.77	
		$503.49
Readjusted Total -		$1,920.77
Less 10%		192.07
Payment 90% Government Participation -		$1,728.70
Total payments authorized by the Audit Certificate -		$21,251.17
Total prior payments -		19,522.47
Balance Due -		$ 1,728.70

JWT:ec
cc: Contract
Secretary to the Oper. Comm. (2)
WMTraver
Charon.

W. H. King
W. H. King

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

234 New Customhouse
Denver 2, Colorado

November 7, 1952

Mr. T. H. Sackett, President
Cherokee Mines, Inc.
231 South Grant St.
Fort Collins, Colorado

Re: Docket DMA-1766X
Contract I-DMA-261

Dear Mr. Sackett:

Consistent with the authority delegated this office, under Order No. 2694 from the Office of the Secretary, Department of the Interior, we hereby accept your bid, dated October 28, 1952, in the amount of $250.00 for the Government's equity in equipment purchased under Contract I-DMA-261.

Reimbursement to the Government will be effected by deducting the amount from amounts due you as the final payment for work performed under the DMA Contract.

Very truly yours,

John F. Shaw

John F. Shaw for
W. H. King
Executive Officer
Field Team, Region IV

Cherokee Mines
122 So. College Ave.
Fort Collins, Colo.
October 28, 1952

Mr. W. H. King
Executive Officer DMEA Field Team
Region IV 224 New Custom House
Denver, 2, Colo.

Re: Equipment purchased
Contract # I-DMA E61

Dear Mr. King:

We are enclosing bids requested by your office on the equipment which was purchased under the above mentioned contract. We have also figured what we consider your equity in this equipment based on these bids and on the amount paid by your office.

1- Joy Model L-47 rock drill. High bid from Gurwell Anderson Co. $147.50. Your office paid 8 out of 9½ payments or 82.67% of the cost. Then you paid 90% of this figure or a net per cent of 74.41% so we figure your equity is 74.41% of the highest bid. This figure would be $109.75.

1- Gardner-Denver Boiler feed pump. High bid $28.50 by Harry L. (Hardrock) Sinclair Co. Since you paid 90% of this cost your equity would be 90% of $28.50 or $25.65.

1-Buffalo #22 volumn fan with one Model COM-IB7 Oman Air Cooled Gasoline engine. High bid $125.00 by Gurwell-Anderson. Since you paid 90% of the cost your equity would be 90% of $225.00 or $112.50.

We figure the total of these equities to be $248.15. We would like to bid $250.00 for your equity in this equipment. If this offer is accepted by your office we send your our check in this amount or if you wish you may deduct this figure from our final payment.

We feel that the amount we offer is in line. If you do not agree on these figures will you please notify us so that we can discuss any differences.

Very truly yours,

Cherokee Mines

By: Wilferd F. Evans

C
O
P
Y

THE GURWELL ANDERSON CO.

Loveland Box 216

In Account With

Cheroke Mines

We bid $125.00 on the Blower you have for sale. And $25.00 for the boiler Feed Pump.

The Gurwell Anderson Co.

By Merle Anderson

C
O
P
Y

THE GURWELL ANDERSON CO.

Loveland Box 216

In Account With

Cherooke Park Mines

We the Gurwell Anderson Co. Bid $147.50 for the Jack Hammer that you have for sale.

By Merle Anderson Partner

[illegible] STREET

PHONE TAbor 7[illegible]

HARRY L. (HARDROCK) SINCLAIR COMPANY

DESIGNER, BUILDER AND LESSOR OF

AIR COMPRESSOR ASSEMBLIES AND MINING APPLIANCES

DENVER 5, COLORADO

October 21, 1952

Cheraine Mines,
c/o Mr. T. H. Sackett, President,
231 South Grant St.,
Fort Collins, Colorado.

Gentlemen:

Agreeable with your request we wish to submit our bid on various pieces of machinery you have for sale.

1 - Gardner-Denver boiler feed pump - 3" - - - $28.50

1 - Joy model L-47 rock drill - - - - - - - - $145.00

1 - Buffalo #22 volume Fan with one Model COM-IB7 Onan Air Cooled Gasoline engine - $120.00

Assuring you that we appreciate this opportunity of biding on this equipment, we remain

Yours very truly,

HARRY L. (HARDROCK) SINCLAIR CO.

By _____
F. Vannatter - Manager

FV/rf

REGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

DENVER, COLORADO

Building 20
Denver Federal Center
Denver 14, Colorado
September 26, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 1702X, Contract I-DMA-E61 (Uranium), Cherokee Mines, Inc., Larimer County, Colorado - Progress report for August 1952

Please find enclosed five copies of the above progress report, forms MP-104 (revised) and MP-104A, with required documentation, and seven copies of R. L. Bolmar's memorandum covering inspection of the underground progress and accounts.

The contractor states he carried a transit survey down the shaft to the various levels. We should be provided with resulting maps.

The total loan has been exhausted and, in my opinion, a discovery can be certified. It is recommended that reports by the participating agencies and the contractor be prepared, the accounts adjusted, and the project terminated.

Disallowance of $115.79 as overage on the contract is correct and deducted from the total $2,403.94 claimed by the contractor leaves $2,288.15. Payment of $2,059.33, or 90 percent of the balance, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

Enclosures

WMT/baw

cc 6
AHKoschmann
E61
DMA 1702X

REGIONAL DIRECTOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Room 137, Building 20
Denver Federal Center
Denver 14, Colorado
September 26, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Balmer

Subject: DMA 1702X, Contract I-DMA-B61 (Uranium), Cherokee Mines, Inc., Larimer County, Colorado - Progress report for August 1952

Progress under the subject contract was inspected September 4, 1952, with W. M. Traver, Jr., and the Atomic Energy Commission project geologist, L. E. Smith. During August, the 135-foot sublevel was advanced easterly a total of 18 feet to a point 28 feet east of the raise. Two narrow fissures were followed in this section of the drift. About 20 feet from the raise, the fissures penetrate a lense of massive pyrite containing biotite and minor amounts of lead, zinc, and copper minerals. The fissure paralleling the north wall of the drift contains radioactive material over a section 20 to 25 feet from the raise. Beyond here, this structure apparently passes outside the drift into the north rib. The drilling of several holes into the north wall in an attempt to determine the extent of radioactivity easterly along this structure was suggested to the crew.

The fissure along the south rib of the sublevel is barren of radioactivity. The sulfide minerals diminish about 28 feet from the raise. The south fissure passes through the sulfide lense but remains barren. On the date of inspection, the breast at 33 feet from the raise exposed the south fissure but showed no radioactivity.

A drill hole into the south wall of the sublevel about 7 feet from the raise indicated radioactive material at an 8-foot depth. A 10-foot crosscut was driven in August to investigate this showing.

The raise was timbered this period and a manway and a small storage pocket were established. A chute was built below the raise on the 150-foot level. An air slusher also was installed on the sublevel during August.

The work performed this period is in conformance with the contract and is as reported on form MF-104A. A charge of $648.51 for gasoline and motor oil used between February 1 and July 17, 1952, is claimed this period. On the form MF-104A, this amount has not been included in the "costs this month" column but has been prorated to the various operations under "costs to date".

The supply and service charges claimed this period are considered necessary and do not appear excessive. The costs claimed are documented properly and individually are approved. The costs claimed this period, however, will increase the costs approved previously to $24,115.79, or $115.79 in excess of the $2,400.00 limit on the project set by the contract. Only $2,288.15 of the claim this period can be approved. Payment of 90 percent of the approved total, or $2,059.33, is recommended.

R. R. McLellan
for

R. L. Bolmer
Mining Engineer

RLB/bam

cc 6
AHKoschmann
E61
DMA 1702X

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Budget Bureau No. 42-R1036.3.
Approval expires 6-30-53.

JAN 2 0 1953

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

Month of August, 1952 Docket No. DMEA 1702 X Contract No. I-DMA E 61
Operator's Name Cherokee Mines Minerals Uranium
Address 122 So. College Ave. Fort Collins, Colo.
Contract Amount, $ Government Participation: 90% Amount, $ 24,000.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling						
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	1089.60	12933.07	14022.67			
Supervision	225.00	2475.00	2700.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	90.45	427.60	518.05			
Explosives	53.04	588.53	641.57			
Pipe		13.62	13.62			
Track	648 51 uc		1141 00 uc			
Gasoline	~~715.06~~	492.49	~~1207.55~~			
Misc Supplies	7.51	1351.47	1358.98			
(4) Operating Equipment:						
Rental	165.00	1563.00	1728.00			
Purchase		425.36	425.36			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	20.78	250.31	271.09			
Sampling and Analysis						
Payroll Taxes FICA	16.35	195.29	211.64			
Liability Insurance WC	32.00	380.47	412.47			
Hoist, J. Hmr Tax	5.70	65.64	71.34			
Bookkeeping	50.00	550.00	600.00			
(8) Contingencies (specify):						
	2403 94 uc		24115 29	2,403.94	21,711.85	24,115.79
				**-483.17		*-483.17
TOTALS	~~2470.49~~	21711.85	~~24182.34~~		**-20.21	**-20.21
				1,920.77	21,691.64	23,612.41

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

Date Sept 5, 1952 Payee Cherokee Mines

Per [signature] Title Secretary

*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.

** Previous Disallowance
(Instructions on reverse)

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

$1728.70

Signature [signature]
(Authorized Certifying Officer)

Date 1/22/53 Vou. No. DMA 53-84
(See other side)

* Total disallowances per DMEA Auditor 503.49
Reinstated " " " 20.32
~~483.17~~

(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. 5-61 in accordance with the terms of the contract.

Signature R. L. Bolmer $205938 $1,579.88 Title Mining Engineer Date Sept. 11, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature W. H. King Title Executive Officer Date JAN 20 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.

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195 2 Docket No. DMEA 1702X Contract No. I-DMA E61
Operator's Name Cherokee Mines Minerals Uranium
Address 122 So. College Ave. Fort Collins, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	ft	1128.49	18	4078.17	53	76.95	118	none
Crosscutting	ft	626.94	10	1387.64	20	69.38	?	none
Raising	ft			755.23	17	44.42		none
Shafts	ft			13402.15	87	154.05		none
~~XXXX~~ Shaft Sta	ea			3627.02	2	1818.51		none
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground rehabilitation	ft			430.22				
TOTAL DISTRIBUTED COSTS		1755.43						TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				425.36				
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
				24115.79				
TOTAL COSTS		1755.43						

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 September 22, 1952 Cherokee mines

Per W. Gordon Kerr Title Secretary

REMARKS: The gasoline statement from Ted's Place in the amount of $648.51 has been added to each operation as it was actually used.

Drifting	128.27
Raising	31.00
Shafts	388.81
Shaft Sta	100.43

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

August Report of Progress 1952 Cherokee Mines
Fort Collins, Colo.

Docket 1702 LDM E61.

In accordance plans approved by the various Bureau of Mines and USGS geologists as being the best proceedure for exploring the ore possibilities of our mine we proceeded to drift eastward on the structure on the 135 foot level in the sub-level which was started during July. One round was shot directly ahead and then as an eight foot test hole drilled to the right showed very strong radio activity at about seven feet we drove two rounds in that direction. We found a very good lead which appeared would intersect the main drift in a few rounds. The test hole refered to is shown in the accompanying sketch at"c" andthe vein found is shown at "D".

We then returned to the other drift and drove two more rounds, each of which showed some spots which indicated on the counter. By this time the mucking problem was beginning to need attention. We placed timbers in the raise and built a plank dividing wall to provide an ore bin and a ladderway. We then shot out a space on the west side of the raise to make room to place our scraper hoist. Some very high grade ore was taken out of this space. The hoist was then installed and drifting was resumed.

It then became apparent that we would have to provide better ventilation in the sub-level and we drilled a hole from the hoist space thru the pillar to the main shaft. This solved our problem and we began drifting on ahead.

Each of the last two rounds have shown increasing numbers of active areas and we feel that before long we will be in some very good ore. The face of the drift at present shows at least four seams of uranium bearing material. The seam on the extreme left side of the drift is very strong.

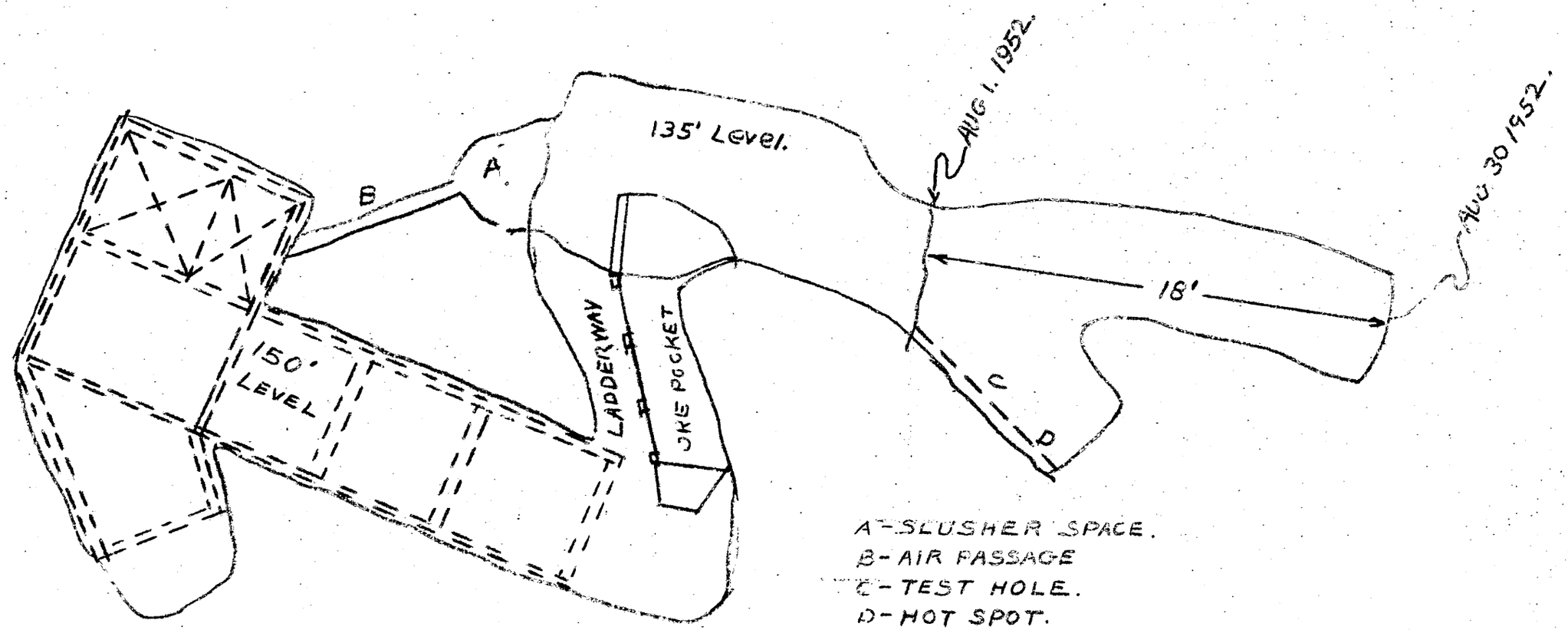
The ground is standing up very good and no timber is necessary and the slusher installation is working well. It is apparent that conditions are now favorable for faster advancement and we should make a great deal more showing than has been possible heretofore.

In addition to the above developements the ~~USGS~~ USGS has started a core drilling program which is now well under way. It is our hope that this core drilling program will disclose to us the location of our ore bearing areas and thereby facilitate our search for ore. Had this program been started several months sooner it might have eliminated some of the trial and error work we have had to do in the past month or more.

During August I made a careful transit survey of the developement on the 150 and 135 foot levels and the accompanying sketch shows the position of the various points shown in their proper relative positions. The strike of the structure now shows to be in the same direction and almost vertically below the structure as it was found on the 60 foot level.

T H Sackett

T. H. Sackett, Pres. & Mgr.
Cherokee Mines
231 S. Grant St.
Fort Collins, Colo.



135' LEVEL BLACK HAWK MINE (COPPER KING) AUG 30 1952.

Cherokee Mines August 1952

Date	Invoice	Amount	(2) Labor Supervision	(3) OM&S	(4) Oper Equipment	(7) Misc
8-31	August Payroll	1089 60	1089.60			
8-31	T.H. Sackett	225 00	225 00			
8-31	Wilford Cram	50 00				50 00 Bookkpr
8-31	FICA	16 35				16 35 Emp Share
8-9	H.L.Sinclair	124 80			120 00 Rent	4 80 Ins Tax
8-17	Constructors Equip Co.	45 90			45 00 Rent	90 Tax
8-18	Warren Riddell	53 04		53 04 Explosives		
7-31	Hendrie Bolthoff	14 28				14 28 repair P.
[illegible]9	Hendrie Bolthoff	6 50				6 50 repair P
8-18	Michaels Osborn	7 51		7 51 Other	XXXXXXXXXX	
8-19	J.W.Fitzgerald	90 45		90 45 Timber	XXXXXXXXXXXX	
8-14	Ted's Place	~~715 06~~ 648 51 cr		~~715 06~~ 648 51 cr Gasoline	XXXXXXXXXXXXXXXX	
8-31	Workmens Comp	32 00				32 00 @ 295
		~~2470 49~~ 2403 94 cr		~~866 06~~ 799 51 cr	165 00	124 83

By: [signature]
Secretary

Cherokee Mines Payroll August 1952

Name	Class	1-2	4 -9	11-16	Reg	over time	Rate R.T.	Rate O.T.	Total	Fica	W.Tax	Net
L. Gueswel	Miner	88*	888888*	888888*								
		18-23 888888*	23-30 888888*		168	40	1.75	2.625	399.00	5.99	36.20	356.81
F. Guwewel	Miner	88*	888888*	888888*								
		888888*	888888*	~~888888~~*	168	40	1.75	2.625	399.00	5.99	36.20	356.81
H. C.Gueswel		88*	88888	888888*								
		888888*	888888*		168	32	1.35	2.025	291.60	4.37	25.00	262.23
									1089.60	16.35	96.40	975.85
T. H. Sackett	Part Time Supervisor			8-1-52 to 8-31-52					225.00			
Wilford Cram	Bookkeeper			8-1-52 to 8-31-52					50.00			

* Indicates time and a half for over 40 hrs per week

By: Wilford Cram
Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SECRETARY
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

September 23, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 1702X, Contract Idm-E61 (Uranium)
Cherokee Mines, Larimer County, Colorado

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 1702X, Contract Idm-E61, Cherokee Mines.

W. H. King

W. H. King

Enclosures

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

Administrative Audit Difference Statement

Date: September 18, 1952
Payee's
Reference: Progress Report
July 1952

Cherokee Mines
231 South Grant Street
Fort Collins, Colorado

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

Amount claimed $2,411.06

Difference $ 20.21

Amount Approved $2,390.85

The reason for the difference was due to:

Overpayment on Fitzgerald invoice	$ 1.00
F.I.C.A. (can be reclaimed if supported by the quarterly statement from Collector of Internal Revenue)	19.21
	$20.21

Any reclaim for deductions made above must be supported by the ORIGINAL OF THIS FORM.

Very sincerely yours,

E. 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

August 25, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1702X, Contract Ida-E61 (Uranium) Cherokee Mines, Larimer County, Colorado - Operator's Monthly Progress Report for the period of July, 1952

Enclosed are the original and four copies of Form 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 $2169.95, which is 90 percent of the total of $2411.06.

John F. Shaw for
W. H. King

Enclosures

JWT:oc

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Room 137, Building 20
Denver Federal Center
Denver 14, Colorado
August 18, 1952

Mining Division
Date Rec'd
AUG 1 1952
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 1702X, Contract I-DMA-B61 (Uranium), Cherokee Mines, Inc., Larimer County, Colorado - Progress Report for July 1952

Please find enclosed four copies of the above progress report, forms MF-104 (revised) and MF-104A, with narrative, payroll, cost distribution, and one copy only of certified invoices, and seven copies of R. L. Bolmer's memorandum report covering inspection of the underground progress and accounts.

We now believe the data on the MF-104A form are correct, or essentially so, although Bolmer mentions a difference between DMA and the contractor's cumulative amounts approved. This probably needs clarification.

Operations, as mentioned before in progress report memorandums and again stressed here, have been far from satisfactory with respect to performance and cost accomplishment. Our inspector estimates present funds may carry the project through mid-September, or the expiration date. At that time, he will recommend termination to the Field Team and, unless the situation changes radically by then, it will receive my endorsement.

Payment of $2,169.95, or 90 percent of the total $2,411.06 claimed by the contractor, is approved.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

WMT/amh

cc 4
AHKoschmann
B61
DMA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Room 137, Building 20
Denver Federal Center
Denver 14, Colorado
August 15, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMA 170GX, Contract I-DMA-361 (Uranium), Cherokee Mines, Inc., Larimer County, Colorado - Progress report for July 1952

Progress under the subject contract was inspected August 4, 1952, with T. H. Sackett, manager. During July, the 150-foot level was advanced 5 feet to a point 19 feet east of the Blackhawk shaft. From this point on the 150-foot level, a raise was driven for a distance of 17 feet. A sublevel, east from the top of the raise, was advanced 10 feet.

Strong radioactive material was encountered in the upper section of the raise on the shaft side; however, this weakened considerably as the sublevel was extended eastward. On the date of inspection, the face of the sublevel was not radioactive and 8-foot test holes drilled into the foot and hanging walls disclosed nothing. Had the next round been barren also, the operator's instructions were to stop the sublevel and explore the ore limits west of the shaft. The next round, however, did disclose weak radioactivity.

Geologic evidence, based on maps and sections just recently made available to DMA, tend to favor exploration east of the shaft and indicate that any extension of the ore shoot west of the shaft will be very limited and of no consequence. The weak vein structure opened on the sublevel can be projected to the mineralized vein exposed in the shaft and on the 60-foot level. It has been agreed, therefore, for the operator to extend the sublevel easterly as long as the structure continues and remains radioactive. Should the structure become barren of radioactivity over two successive rounds, the operator is to stop work here and, if the funds permit, explore the eastern extent of the shoot by a drift on the 100-foot level.

It is apparent now that this ore shoot is quite limited, being confined laterally to a section about 50 feet in length east from the shaft and vertically between the 60- and 130-foot depths. It is possible that the ore shoot rakes steeply from east to west. Attempts

to explore the lower edge of such a raking body with the sublevel, which now appears to be located at the lowest elevation of the body east of the shaft, may be impractical. Should a decided rake to the body develop, more practical lateral exploration would be accomplished by drifting east on a higher level.

The work performed this period, for which claim is made, is in conformance with the contract and is as reported on form MF-104A. The operator has revised his distributed costs, costs to date, and units to date on form MF-104A in conformance with instructions. The units-to-date column is now correct according to my measurements. The 35 feet of drifting includes 6 feet on the 100-foot level, 19 feet on the 150-foot level, and 10 feet on the sublevel. The 10 feet of crosscutting reported are on the 150-foot level. The 87 feet of shaft reported represent sinking the 8-1/2- by 5-foot cross-sectional Blackhawk shaft from a 74- to a 161-foot depth. The 17 feet of raising reported were driven from the 150-foot level. Two shaft stations, each approximately 8-1/2 by 5-1/2 by 10 feet, were established at the 100- and 150-foot levels. The 14 feet of underground rehabilitation reported represent the widening and timbering of a 14-feet winze below the 60-foot level, from the bottom of which shaft sinking was begun.

On form MF-104, the total previously reported has been corrected to $19,300.79. Our records, including June 1952 upon which we have not received confirmation, show $19,301.90 as being approved. W. F. Cram, secretary of Cherokee Mines, Inc., informs me that his record of the amount approved for December 1951 is $1,765.70. Our records show the amount approved for that period to be $1,766.81, a difference of $1.11. Cram has used his figures in the MF-104 forms this period.

It is noted that $2,288.15 remains unexpended from the contract amount of $24,000.00. This amount should carry the project until September 16, 1952, the expiration date set by the contract for completion of the work. The extent of the ore shoot discovered through this exploration program should be fairly well defined by the time the funds are exhausted. The close of the project will leave the small ore body developed sufficiently for the operator to commence mining it, provided he is financially able to do so and can receive from the Atomic Energy Commission sufficient bonus on transportation and grade of the ore produced. Other similar ore bodies may exist on the property. The Atomic Energy Commission's drilling program, scheduled to start here soon, may reveal their general location.

Unit costs of the work performed at this project are about 100 percent higher than those normally experienced for comparable work at other mining operations. The higher costs are partly due to the project's isolation from mining centers and experienced mining personnel; however, the project primarily has suffered from the lack of full-time, on-the-job supervision. Under the present circumstances, I recommend that the project

be closed when the allotted funds are expended. I would not recommend further expenditure by the DMEA for additional exploration of this ore body or for other ore bodies on the property.

Supply and service charges claimed this period are considered necessary and do not appear excessive. All charges on form MF-104, except that for Workmen's Compensation, are supported by the required documentation. The amount claimed for Workmen's Compensation, however, is correct per the standard rate of $2.95/$100.00 of the reported payroll.

Project costs this period in the amount of $2,411.06 are approved. Payment of 90 percent of this amount, or $2,169.95, is recommended.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/amh

cc 6
AHKoschmann
E61
DMEA Chron.

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 July, 1952 Docket No. DMEA 1702X Contract No. I-DMA E 61
Operator's Name Cherokee Mines Minerals Uranium
Address 122 So. College Ave. Fort Collins, Colo.
Contract Amount, $ Government Participation: 90 % Amount, $ 24,000.

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	1279.60	11653.47	12933.07			
Supervision	225.00	2250.00	2475.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	70.22	357.38	427.60	69.22		426.60
Explosives	-	588.53	588.53			
Pipe	13.62	-	13.62			
Track						
Gasoline		492.49	492.49			
Misc Supplies	266.29	1085.18	1351.47			
(4) Operating Equipment:						
Rental	165.00	1398.00	1563.00			
Purchase	238.36	187.00	425.36			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	28.23	222.08	250.31			
Sampling and Analysis						
Payroll Taxes FICA	19.21	176.08	195.29	00		176.08
Liability Insurance WC	37.00	343.47	380.47			
Hoist, J.Hmr Tax	18.53	47.11	65.64			
Bookkeeping	50.00	500.00	550.00			
(8) Contingencies (specify):						
TOTALS	2411.06	19300.79	21711.85	2,390.85	19,300.79	21,691.64

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Aug 6, 1952 Payee Cherokee Mines

Per [signature] Title Secretary

*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:

$2151.77

Signature [signature]
(Authorized Certifying Officer)

Date 9/22/52 Voucher No. DMA 53-35

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E-61 in accordance with the terms of the contract.

Signature R. P. Bolmer, #2169.95 WMS Title Mining Engineer Date August 8, 1952

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1952 Docket No. DMEA 1702X Contract No. I-DMA E61
Operator's Name Cherokee Mines Minerals Uranium
Address 122 So. College Ave. Fort Collins, Colo.

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Drifting	ft	1448.47	15	2823.41	35	80.61	118	None
Crosscutting	ft	-	-	760.70	10	76.07	?	None
~~Raising~~	~~ft~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
Shafts	ft	none	none	13013.34	87	149.58	91	None
~~XXXX~~ Shaft Stas	ea	none	none	3536.59	2	1768.29	2	none
~~XXXXXXX~~ Raising	ft	724.23	17	724.23	17	42.60	15	none
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Underground	ft			430.22	14	30.73	14	None
Rehabilitation *								
Total Distributed Costs		2172.71		21286.49				Total Costs Authorized by Contract
Operating Equipment Purchased		238.36		425.36				517.00**
Initial Rehabilitation and Repairs								none
New Buildings, Improvements, etc.								none
								24000.00
Total Costs		2411.07		21711.85				

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

Date Aug 6, 1952 Operator Cherokee Mines

Per W. Gerald Kram Title Secretary

Remarks: * Widen to 2 compartment shaft and timber 14 ft winze before sinking commenced.

** Blower 270.00
Ore Car 60.00
Pump 187.00

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205676

July 1952 Report of Progress

Docket 1702 IDM E61

Cherokee Mines- Fort Collins
Colorado.

After consulting with geologists of the U.S.G.S. and the AEC we determined to drive to the Eastward from the shaft a few rounds and then raise to a point at which we knew ore must exist as shown by developements in the shaft. The geoligical examination was made at a time when the breast of the drift to the East was 14 feet from the shaft.We drove one more round to clear the timbers which had been put in the drift and then started a raise which was planned to pass not closer than eight feet to the shaft. The raise was inclined to pick up the ore at about the 130 foot level.

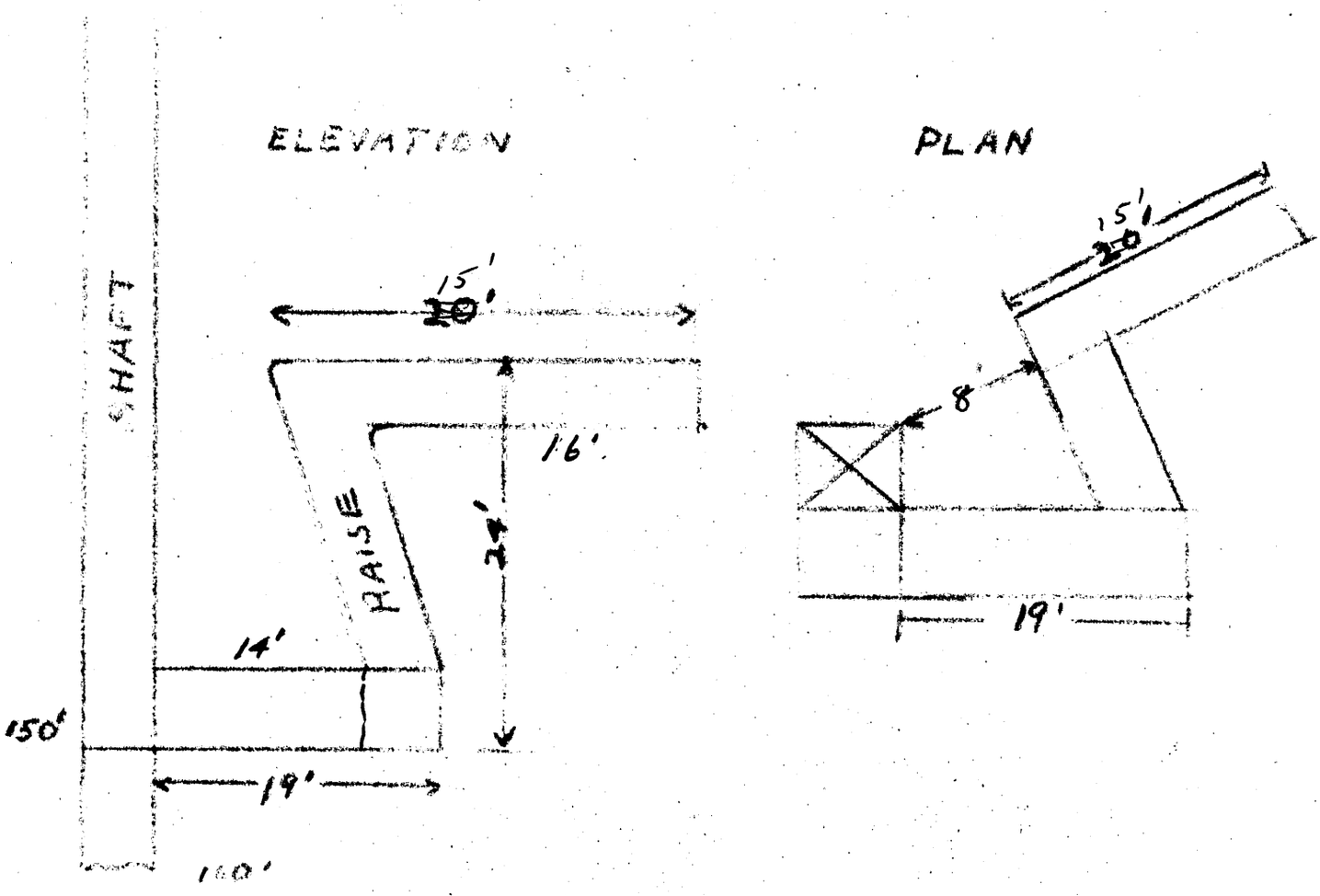
Sign s of radio activity began to show up at about 132 feet. We raised to a hight of 24 feet from the 150 foot level. Several feet of pretty fair ore showed up on the shaft side of the raise. It was not so strong on the East side. We then started a drift to the east and some radio activity showed as we went along but we are now 20 feet from the shaft side of the raise on the sub level and the radio activity is quite low. We are now feeling ahead with drill holes and our plans will depend upon the showing in these holes.

We are also drving test holes to the south west in the shaft to check the possibilities to the westerly side of the shaft.

The sketches below show the progress reported above.

T H Sackett

T. H. Sackett, Mgr.
Cherokee Mines
231 S. Grant St.
Fort Collins, Colo.



Cherokee Mines July 1952

Date	Invoice	Amount	(2)Labor & Supervision	(3) OM&S	(4) Oper Equip	(7) Misc	
7-31	July Payroll	1279 60	1279 60				
7-31	T. H. Sackett	225.00	225 00	Supervision			
7-31	Wilford Cram	50 00				50 00	Bookkeeper
7-31	FICA Tax	19 21				19 21	Emp Share
7-9	H. L. Sinclair	124 80			120 00	Rent	
						4 80	Ins & Tax
7-17	Constructors Equip Col	45 90			45 90	Rent	90 Tax
7-15	F&B Co.	440 39		189 20	Other		
					238 26	Purchased	
						12 83	Tax
8-1	Ft. Collins Sheet Metal	13 62		13 62	Pipe		
7-21	J. Pearce	28 23				28 23	Repairs
7-10	H.L. Sinclair	29 99		29 99	Other		
7-31	Schneidmillers	3 54		3 54	Other		
7-22	Fitzgerald	70 22		70 22	Timber		
7-31	Michaels & O	43 56		43 56	Other		
7-31	Workmens Comp	37 00				37 00	@ 2.95/$100.
		2411 06	1504 60	350 13	403 36	152.97	

By: Wilford Cram
Secretary

Cherokee Mines Payroll July 1952

Name	Class	1 - 5	7-12	14-19	Reg Time	Over Time	Rate R.T.	Rate O.T.	Total	FICA	W.Tax	Net
L.Gueswel	Miner	** 88888	* 888888	* 888888			1.75	2.625	413 00	6.20	37.60	369 20
		21-26 * 888888	28-31 8888		176	40						
F. Gueswel	Miner	** 88888	* 888888	* 888888								
		* 888888	888888		176	40	1.75	2.625	413 00	6.20	37.60	369.20
H.C.Gueswel	Miner	** 88888	* 888888	* 888888								
		* 888888	8888		176	40	1.35	2.025	318.60	4.78	25.10	288.72
T.Brookhart	Miner	** 88888	* 888888		64	24	1.35	2.025	135.00	2.03	4.60	128.37
									1279.60	19.21	104.90	1155.49
T. H. Sackett	Part time	Supervisor 7-1-52 to 7-31-52							225.00			
Wilford Cram	Bookkeeper	7-1-52 to 7-31-52							50 00			

* Indicates time and a half for over 40 hrs per week

By: Wilford Cram
Secretary

SD

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
AUG 28 1952

August 25, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado

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 June, 1952, pertaining to DMA Docket 1702X, Contract I-DMA-E61, Cherokee Mines.

for John F. Shaw

John F. Shaw for
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

August 5, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1702X, Contract I-DMA-F61 (Uranium), Cherokee Mines, Larimer County, Colorado - Operator's Monthly Progress Report for the period of June 1952

Enclosed are the original and four copies of Form MF-104, Form 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 $1,643.11, which is 90 percent of the total of $1,825.68.

W. H. King
W. H. King

Enclosures

WLD:jp

cc Secretary to the Operating Committee (2)
WMTraver
Contract
Chron
AHKoschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
July 25, 1952

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: EMA 1702X, Contract I-EMA-261, Cherokee Mines, Larimer County, Colorado - Progress report for June 1952

Please find enclosed five copies of the above progress report on the new forms MF-104 (revised) and MF-104A, with narrative and other required documentation, and seven copies of R. L. Bolmer's memorandum report covering inspection of the underground progress and accounts.

We are passing the cumulative and current units on form MF-104A for June, although they are obviously wrong, in order to save returning them to the contractor for a second revision. For the July accounts the inspector will again go over the requirements with the Cherokee Mines accountant and arrange to have that report prepared correctly.

Payment of $1,643.11, or 90 percent of the total $1,825.68 claimed by the contractor, is approved.

Wm. Traver Jr.

W. M. Traver, Jr.

enclosures

WMT/dd

cc 4
AEKoschmann
261
EMA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

July 24, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: DMA 1702X (Uranium), Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado - Progress report for June 1952

Progress under the subject contract was inspected July 1, 1952, with T. H. Sackett, Manager, and T. H. Kuhn, U. S. Geological Survey. The progress as reported in Sackett's narrative essentially is correct. A 10-foot crosscut was driven south from the 150-foot level station of the Blackhawk shaft. The uraninite vein, anticipated within this distance, was not encountered. A fracture zone was cut at the projected position of the vein but it was not mineralized. Permission was given the contractor to raise on this structure. Accordingly, he extended the level station easterly before raising to provide for a shaft pillar. This level had been extended 14 feet east of the shaft at the close of the period. The ground off the shaft at this level is fractured badly and is heavy; timbering was required.

An amendment to the subject contract has been recommended which will permit (1) an extension of the 150-foot level easterly to a point approximately 18 feet from the shaft, (2) a raise from this point on the exposed structure for approximately 15 feet or until ore is encountered, and (3) a sublevel drift easterly from the top of this raise for 100 feet or to the limits of mineralization (see attached sketch). An amendment also was recommended to permit the contractor to purchase and install ventilating equipment.

The work performed this period, for which claim is made, is in conformance with the contract or with pending amendments thereto. The work this period, a 10-foot crosscut and a 14-foot extension of the level, is reported on form MF-104A as 23 feet of drifting. The "Units to Date" and "Units Authorized by Contract" also are reported incorrectly on this form. This matter will be discussed with the contractor during the next inspection so that the July MF-104A can be corrected.

The supply and service charges this period are considered necessary and do not appear excessive. All charges on form MF-104 are supported by the required documentation.

Project costs this period are approved in the amount of $1,825.68. Payment of 90 percent of this amount, or $1,643,11, is recommended.

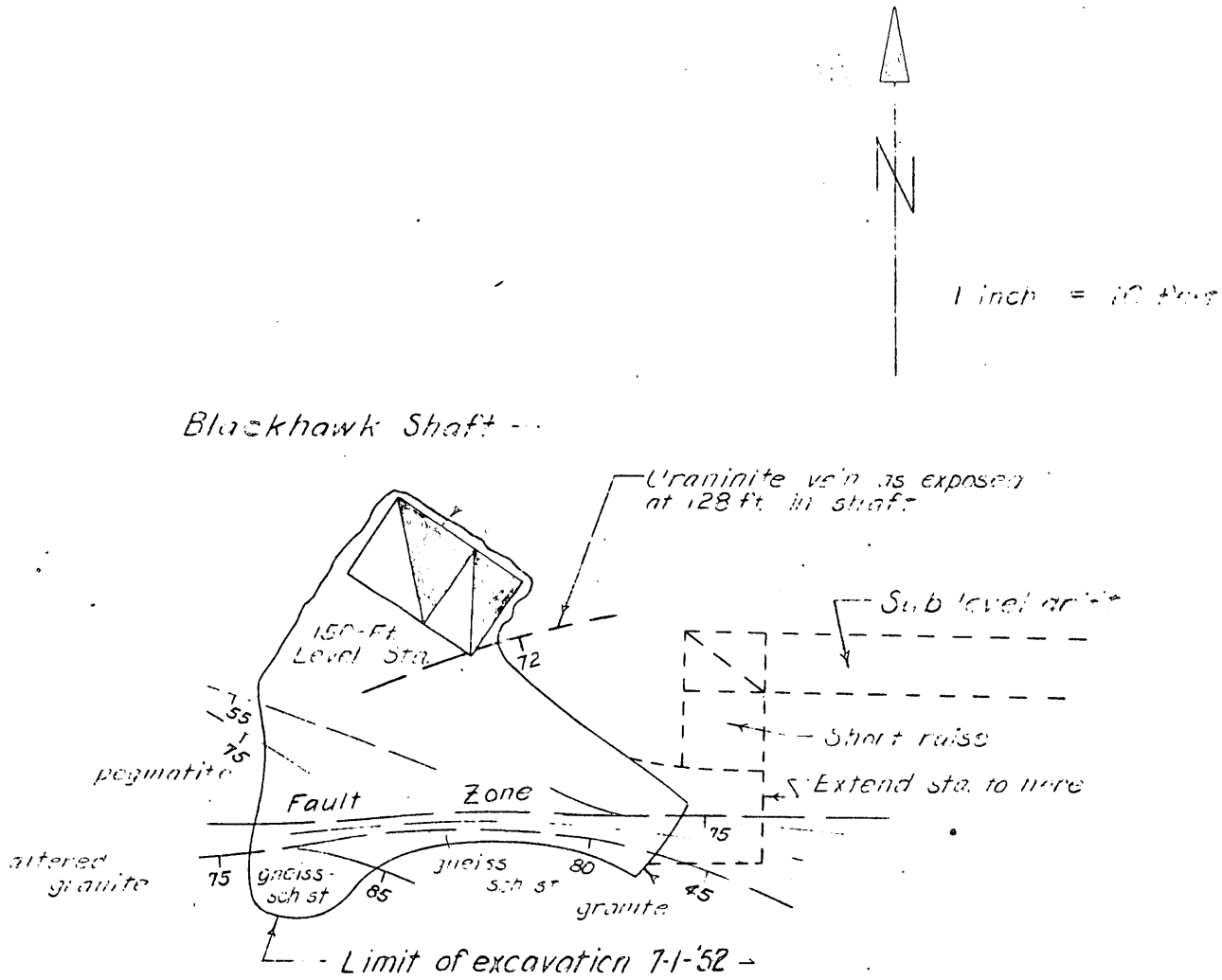
R. L. Bolmer

R. L. Bolmer
Mining Engineer

Attachment

RLB/bam

cc: 6
AHKeschmann
E61
DMEA Chron.



Plan at the 150-Ft level, Blackhawk Shaft
Showing present (——) and proposed (- - -) work.

CHEROKEE MINES, INC.
Larimer Co., Colo.
DM14 1762 X
Contract Jim E-61

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 28 1952
261

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of June, 1952 Docket No. DMEA 1702 X Contract No.
Operator's Name Cherokee Mines Minerals
Address 122 So. College Ave. Fort Collins, Colo.
Contract Amount, $ 24,000. Government Participation: 90 % Amount, $

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	1148.70	10511.45	11660.15			
Supervision	225.00	2025.00	2250.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber	60.78	296.60	357.38			
Explosives	53.06	535.47	588.53			
Pipe						
Track						
Gasoline		492.49	492.49			
Misc Supplies	48.59	1014.77	1063.36			
(4) Operating Equipment:						
Rental	165.00	1233.00	1398.00			
Purchase		208.82	208.82			
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	19.62	202.46	222.08			
Sampling and Analysis						
Payroll Taxes FICA	17.23	158.85	176.08			
Liability Insurance WC	32.00	311.47	343.47			
Hoist r J. HAMMER	5.70	41.41	47.11			
Bookkeeping	50.00	450.00	500.00			
(8) Contingencies (specify):						
TOTALS	1825.68	17481.79	19307.47	1,825.68	17,481.79	19,307.47

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

Date July 6, 1952 Payee Cherokee Mines

Per [signature] Title Secretary

*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:

$1643.11

Signature [signature]
(Authorized Certifying Officer)

Date 8/18/52 Vou. No. DMA-53-23

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. I-DMA-E61 in accordance with the terms of the contract.

Signature Robert L. Bolmer Title Mining Engineer Date July 23, 1952

#1643.11

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE #1643.11

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

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

U. S. GOVERNMENT PRINTING OFFICE 205675

Form MF-104A
(April 1952)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 28 1952

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of June 1952 Docket No. DMEA 1702 X Contract No. E 61
Operator's Name Cherokee Mines Minerals
Address 122 So. College Ave. Fort Collins, Colo.

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting	1 ft	1825.68	23	5096.95	30	170	150	
Crosscutting	1 ft			788.88				
Raising								
Shafts	1 ft			12991.42	160	81.19	165	
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Rehabilitation				430.22				
TOTAL DISTRIBUTED COSTS								TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS				19307.47				

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

Date July 6, 1952 Operator Cherokee Mines

Per Wilfrid H. Cram Title Secretary

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

June 1952 Report of Progress.

Docket
1702 IDM- E 61

Cherokee Mines
Fort Collins, Colo.

As all indications at higher levels indicated that the vein which had dipped out of the shaft at the 135 foot level would be picked up at the nearest point on the 150 foot level by drifting in a south easterly direction, we started a drift in that direction about the first of the month. When no vein was found after two rounds we drove several eight foot drill holes ahead in an attempt to locate the vein. These drill holes did not pick up any evidence of the vein.

We then drove several more long holes in the shaft immediately below the point at which the vein left the shaft. These indicated that the vein did not go below the 135 foot level, at least near the shaft. It was then decided to drive a drift a drift easterly parrallel to the axis of the shaft a few rounds and then raise to the level at which the last evidence of ore occurred in the shaft. It appears that we should pick up the ore in about twelve feet vertically above the back of the drift.

By the first of July we had driven three rounds easterly from the shaft a distance of about 14 feet. Very badly fractured and soft ground was encountered and it was necessary to carry the timbering right up to the breast for two rounds. It appears that the ground is becomming more solid at the present breast and we hope it will not require timbering so close to the work.

The air is beginning to show signs of requiring ventilation by blowing and we are trying to line up a blower and tubing.

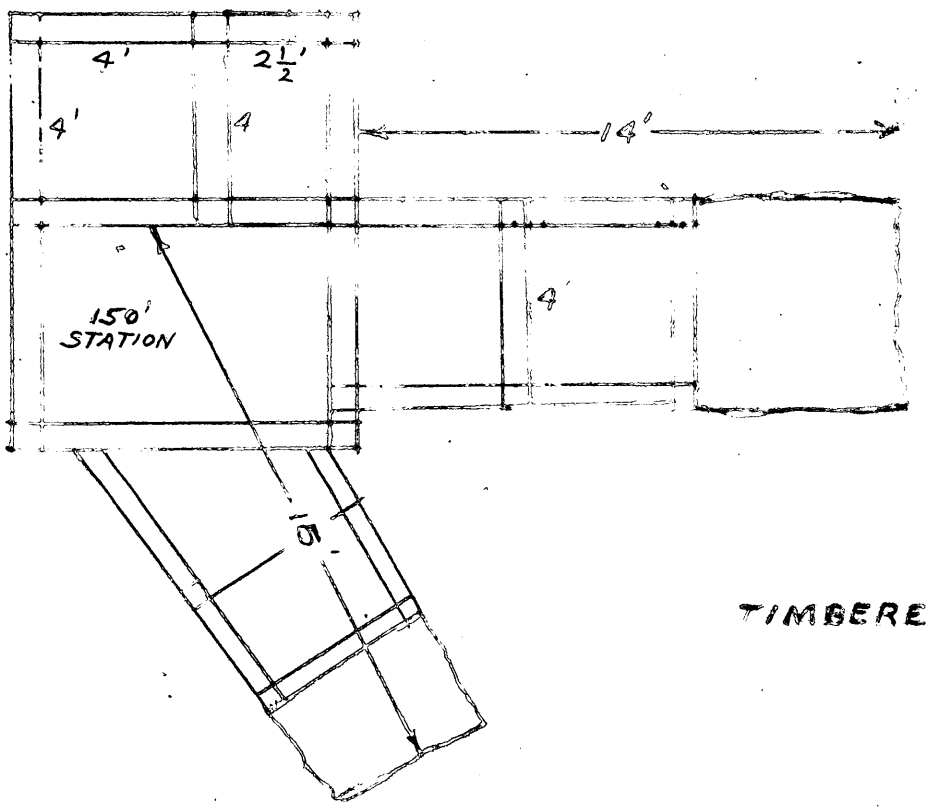
Cherokee Mines,
T H Sackett
T. H. Sackett, Mgr.

PLAN VIEW OF 150 FT. LEVEL

BLACKHAWK NO. I

CHEROKEE MINES

JULY 1 1952



TIMBERED AS SHOWN

CHEROKEE MINES PAY ROLL JUNE 52

NAME	LABOR CLASS	2 TO 7	9 TO 14	16 TO 21	23 TO 28	30	HRS TOTAL REG TIME	HRS TOTAL O.TIME	RATE REG T.	RATE O.T.	TOTAL	FICA	W.TAX	NET
LOUIE GUESWEL	MINER	888888*	888888*	088888	888888*	8	168	24	1.75	2.625	357.00	5.36	26.80	324.84
FRANK GUESWEL	MINER	888888*	888888*	088888	888888*	8	168	24	1.75	2.625	357.00	5.36	26.80	324.84
LESTER HESS	MINER	909					18	—	1.35	2.025	24.30	.35	—	23.96
H.C. GUESWEL	MINER	888888*	888888	088888	888888*	8	168	24	1.35	2.025	275.40	4.13	10.80	260.47
JACK BROOKHART				088888	888888*	8	88	8	1.35	2.025	135.00	2.03	4.60	128.37
											1148.70	17.23		

T.H. SACKETT	PART TIME SUPERVISIOR	6/1/52 TO 6/30/52	225.00	—	—	225.00
WILFORD CRAM	BOOKKEEPER	6/1/52 TO 6/30/52	50.00	—	—	50.00

* INDICATES TIME AND A HALF FOR OVER 40 HRS PER WEEK

CHEROKEI

INVOICE	AMT.	2. LABOR & SUPERVISION	3. OPERATING MATERIALS & SUPPLIES	4 OPERATING EQUIPMENT	7 MISCELLANEOUS	8 CONTINGENCIES
MICHAELS & OSBORNE HARDWARE Co.	6/30/52	1473	1473 (OTHER)			
MATSON LUMBER & Hdwe Co.	6/6/52	734	734 (OTHER)			
Schneidmillers.	6/9/52	650			650 (Repairs To Equip)	
H.L. Sinclair Co	6/24/52	2652	E E 2652 (OTHER)			
WARREN Riddell	6/12/52	5306	5306 (Explosives)			
H.L. Sinclair Co	6/9/52	12480		12000	480 Hoist Ins & TAX.	
Carl DeWitt	6/13/52	6078	6078 (LUMBER)			
Constructors Equip Co	6/17/52	4590		4500	90 Jack Hammer Sales Tax.	
June PAYROLL	6/30/52	11487.70	11,487.70 (LABOR)			
FICA (Employers share)	6/30/52	1723			1723 (FICA TAX)	
TH SACKETT	6/30/52	22500	22500 (Supervision)			
WILFORD CRAM	6/30/52	5000			5000 (Bookkeeping)	
H & B		1312	~~1312 OTHER~~		1312 REPAIRS TO EQUIP	
STATE Compensation FUND	6/30/52	3200			3200 (Workmens Compensation.)	

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

224 New Customhouse
Denver 2, Colorado

July 3, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: DMA Docket 1702X, Contract Idm-E61 (Uranium), Cherokee Mines, Larimer County, Colorado

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 May 1952, pertaining to DMA Docket 1702X, Contract Idm-E61, Cherokee Mines.

W. H. King

W. H. King

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 7 1952

Mining Division
Region IV

June 20, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1702X, Contract Idm-E61 (Uranium), Cherokee Mines, Larimer County, Colorado - 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 $1,726.92, which is 90 percent of the total of $1,918.80.

Enclosures

W. H. King
W. H. King

JWT:jp
cc Secty. to Operating Committee (2)
WMTraver
Contract
Chron
WHKoschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

June 16, 1952

Mining Division
Date Rec'd.
JUN 17 1952
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 1702X, Contract I-DMA-261, Cherokee Mines, Larimer County, Colorado - Progress report for May 1952.

Please find enclosed five copies of the above progress report, Form MF-104, with narrative and payroll, and seven copies of R. L. Bolmer's memorandum report covering inspection of accounts and underground progress.

Payment is approved of $1,726.92, or 90 percent of the total $1,918.80 claimed by the contractor.

W. M. Traver, Jr.

W. M. Traver, Jr.

DD/bam

cc: 4
AEHoehmann
261
DMA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado

June 16, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Bolmer

Subject: BMA 1702X, Contract I-BMA-861, Cherokee Mines, Larimer County, Colorado - Progress report for May 1952.

Progress during May 1952 under the above contract was inspected June 11, 1952, by Bureau of Mines engineers. The progress as reported in T. E. Sackett's narrative is correct and complete. The flow of water into the shaft has slackened and further delays from this source are not anticipated. On the date of inspection, crosscutting on the 150-foot level had progressed about 15 feet from the shaft without encountering the vein. The crosscut, however, is not headed directly towards the vein. The next round or two will be pulled more towards the left and headed directly for the vein. Two vertical faults near the present breast may have had some effect on the projected position of the vein on this level.

The project accounts were checked in Fort Collins with Wilford Crum, secretary. The following comments are made regarding the charges itemized in the May MF-104 forms:

Item 2 (b), Operating equipment rented, $165.00, consists of $120.00 for rental of a hoist and $45.00 for rental of a jackhammer.

Item 4, Labor, $1,334.10 is the correct gross wages as itemized on the attached copy of the payroll. Overtime payment was paid employees working on the five Saturdays in May and also on May 30, Memorial Day.

Item 5, Supervision, $275.00, includes part time supervision at $225.00 per month and bookkeeping at $50.00 per month.

Item 6, Supplies, (c) Repair parts, $32.45, is the correct price of several repair parts for the operator's Gardner-Denver compressor. (d) Other, $48.44, includes $22.41 for small hardware items obtained from several suppliers and $26.03 for minor repair parts and repair supplies for a Gardner-Denver pump. Part of the latter amount could have been more correctly distributed under (c) Repair parts. The above supplies were substantiated by invoice.

Item 9 (c), Workmen's compensation, $39.00, is the amount paid based on gross payroll. The amount, $4.80, is insurance paid with rental of a hoist.

Item 11, Other, $20.01, is the employer's share of social security payments based on gross payroll.

Project costs for the month of May, in the total amount of $1,918.80, are approved. It is recommended that Cherokee Mines be reimbursed for 90 percent of this amount, or $1,726.92.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/bam

cc: 6
AHKoschmann
E61
DMEA Chron.

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 61

Name of Operator Cherokee Mines
Docket No. DMA 1702 X
Total Contract Amount $ 24,000.
Government Participation: 90 % Amount $
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.

Cherokee Mines
(Name of Company)

By W. Gordon Kerr
(Signature of Authorized Official)

June 4, 1952
(Date)

Secretary
(Title)

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

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		208.82	208.82		208.82	208.82
(b) Rented[2]	165.00	1068.00	1233.00	165.00	1,068.00	1,233.00
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

May 1952 Report of Progress.

Docket
1702IDN-E61

Cherokee Mines
Fort Collins, Colo.

During the May we were hampered a great deal by the increased flow of water into our shaft as a result of the melting of the heavy snows near our mine and the men were forced to work in a continuous heavy drip of water. However we were able to complete the last bench in the shaft which we concluded to deepen one more round of shots in order to provide more water capacity in the sump. One half of the bottom of the shaft is now about at the 162 foot level and the rest is 150 feet. The timbering was completed to one set below the 150 foot level and the station at that point was shot out and timbered. A bulk head has been built over the sump and on the last day of May part of a round was drilled in the southerly wall of the station to start drifting to the vein.

Because working conditions will be better now that we are ready to start drifting we think that our progress will be much greater than it has been during the period of sinking. Because of the increasing dip of the formation in the last fifteen or twenty feet we cannot estimate the distance we will have to drift before we cut the vein. The station extends about eight feet into the wall and does not show any evidence of the vein at the breast. We have lagged the roof of the station because it was badly fractured and could have been a hazard.

Samples of the air were taken at the sixty and one hundred foot levels by the State Department of Public Health and their reports to us show rather high content of radon. At the 100 foot level the sample showed 1981 micromicrocuries of radion and at the 60 foot level there were 1622 micromicrocuries of radon per liter. They consider that this is very high under the conditions and Mr. Holiday states that it will be necessary to make frequent checks as the work continues. They plan to make another test about the first of July. We were told that better ventilation would be necessary as we drove away from the shaft to remove the gas.

Cherokee Mines

By H. Sackett
Mgr.

Cherokee Mines

Payroll May 1952

Name	Class	Reg Time	Overtime	Rate	Total	SS	W. T.
Louie Gueswel	Miner	216	24	$1.75	420.00	6.30	39.40
Frank Gueswel	Miner	216	24	1.75	420.00	6.30	39.40
Lester Hess	Miner	216	24	1.35	324.00	4.87	31.40
H. C. Gueswel	Miner	114	12	1.35	170.10	2.55	9.40

By: Weford H Cram
Secretary

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]	1334.10	9177.35	10511.45	1,334.10	9,177.35	10,511.45
5. Supervision	275.00	2200.00	2475.00	275.00	2,200.00	2,475.00
6. Supplies						
(a) Timber	-	296.60	296.60		296.60	296.60
(b) Explosives	-	535.47	535.47		535.47	535.47
(c) Repair Parts	32.45	170.01	202.46	32.45	170.01	202.46
(d) Other	48.44	966.33	1014.77	48.44	966.33	1,014.77
7. Power		492.49	492.49		492.49	492.49
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	39.00	272.47	311.47	39.00	272.47	311.47
Hoist	4.80	36.61	41.41	4.80	36.61	41.41
10. Contract Work						
11. Other (specify)						
SS	20.01	138.84	158.85	20.01	138.84	158.85
Total	1918.80			1,918.80	15,562.99	17,481.79
Deletions						
Adjusted totals						
Totals previously reported		15562.99		15,562.99		
Totals to date			17481.70	17,481.79		

[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 R. L. Palmer
Amount approved for payment $1726.92 $1726.92
Remarks

16—64068-3

Schedule DMA 53 -
January 1, 1953
1726.92

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	2570.53	307.03	153.01	139.90	3221.27	1 ft	-	-	-	150
Crosscutting	642.73	146.15			788.88	1 ft				
Raising										
Shafts	9242.97	992.50	787.40	1968.41	12991.52	1 ft		160.		165
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	430.22				430.22					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	12986.45	1446.62	940.41	2108.31	17481.79					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

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

224 New Customhouse
Denver 2, Colorado

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, DMA Docket 1702X, Contract Idm-E61, Cherokee Mines, Larimer County, Colorado

Enclosed are the Operator's Monthly Progress Report Form MF-104, Operator's Narrative Report, Inspecting Engineer's Narrative Report and other supporting data for the period of April, 1952, pertaining to Cherokee Mines, Larimer County, Colorado.

W. H. King

W. H. King

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JUN 6 1952

Mining Division
Region IV

May 19, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1702X, Contract Idm-E61, Cherokee Mines, Larimer County, Colorado - Operator's Monthly Progress Report for the period of April, 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 $1,899.90, which is 90 percent of the total of $2,111.00.

As noted in Traver's letter of transmittal, the operator's total of $2,116.80 is incorrect.

W. H. King

W. H. King

WLD:ec

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 13, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division, Region IV

Subject: DMA 1702X, Contract I-~~DMA-B61~~ Idn-E61, Cherokee Mines, Larimer County, Colorado - Progress report for April 1952

Please find enclosed four copies of the above progress report, form MF-104, with narrative and payroll, and six copies of the inspector's memorandum covering inspection of the underground progress and accounts.

Bolmer approves payment of $1,899.90, or 90 percent of the $2,111.00 revised total reported by the contractor.

Possibly mention should be made of the fact that the operator's total claimed of $2,116.80 is incorrect, evidently a mistake in addition, and should be $2,118.00. We assume it can be taken care of by an administrative disallowance and not require returning the forms to Fort Collins for revision.

These forms are not completed to show the units of work accomplished for the reporting period and cumulative totals to date on page 4. The contractor is being notified by letter to comply with these requirements in the future in accordance with your memorandum of March 27.

W. M. Traver Jr.

W. M. Traver, Jr.

enclosures

WMT/emh

cc 3
AHKoschmann
B61
DMA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
May 13, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division, Region IV

From: R. L. Balmer

Subject: DMA 1702X, Contract I-DMA-E61 Idm-E61, Cherokee Mines, Larimer County, Colorado - Progress report for April 1952

Progress during April 1952 under the above contract was checked on May 8, 1952, in the company of T. H. Sackett, manager. The Blackhawk shaft was extended 10 feet during April to a depth of 160 feet. This depth will provide a 10-foot sump below the 150-foot level and probably completes the sinking that will be attempted under the contract. The last shaft set is at 140 feet. Bearing timbers for the 150-foot station set have been installed and part of the initial level round drilled.

The uraninite vein left the shaft at a depth of 136 feet, although a narrow stringer was penetrated at about the 150-foot level. The lower portion of the shaft is in a coarser granite-pegmatite and a diorite dike was intersected below the 150-foot level in the vein footwall. Portions of this dike are radioactive. Preliminary calculations by the Atomic Energy Commission indicate a vein zone about 65 feet in length has been exposed above the 136-foot depth. The zone averages about 2 feet in width over this distance and has an average U_3O_8 content of 0.88 percent.

A recent public health survey at the mine indicated that radon gas was present in the shaft in concentrations approaching maximum recommended limits. Radon concentration probably will increase as the vein is exposed by drifting and additional ventilation then will be mandatory. The contractor may request an amendment to his contract allowing the purchase of a blower and ventilation tubing. Such a request should be recommended for approval.

The project accounts were checked in Fort Collins with Wilford Cram, secretary. The following comments are made regarding the operator's MF-104 forms:

Item 2 (b), Operating equipment rented, $165.00, consists of $120.00 for rental of a hoist and $45.00 for rental of a jackhammer. Rental of these items at these rates is allowed under the contract or amendments thereto. (Note: Joy L-47, wet-type rock drill, serial number 134339, rented on February 21, 1952 - 90 percent of rental is applied on purchase.)

Item 4, Labor, $1,237.60, is itemized on an attached sheet. The amount is correct and allowable under the contract and amendments.

Item 5, Supervision, $275.00, includes part time supervision at $225.00 per month and a bookkeeper at $50.00 per month and is allowable under the contract.

Item 6, Supplies:

(a), Timber, $166.67, is correct.

(b), Explosives, $171.77, is correct.

(c), Repair parts, $9.24, is correct in amount and included is an $8.00 repair job on a pump and a $1.24 freight charge on drill steel from Denver.

(d), Other, $31.16, consisted of carbide, pump packing, and miscellaneous supplies from several jobbers. The above supply items were substantiated by invoices.

Item 9 (c), Workmen's compensation, $36.00, is the compensation insurance paid on the itemized payroll, calculated at the rate of $2.95 per $100.00 of wages; $18.36 is the contractor's share of social security payments on the listed payroll. These items are correct in amount and are allowable under the terms of the contract.

Project costs for the month of April, in the total amount of $2,111.00, are approved. It is recommended that the contractor be reimbursed for 90 percent of this amount, or $1,899.90.

R. L. Bolmer

R. L. Bolmer
Mining Engineer

RLB/amh

cc 5
AHKoehmann
B61
DSA Chron.

MF-104
(August 1951)

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

Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. 61
Idm-E

Name of Operator CHEROKEE MINES
Docket No. DMA 1702 X
Total Contract Amount $ 24,000
Government Participation: 90 % Amount, $
Distribution of Expenditures for Month of April, 1952

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

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

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

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

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

CERTIFICATION

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

CHEROKEE MINES
(Name of Company)

By Wilford Cram
(Signature of Authorized Official)

May 5, 1952
(Date)

Secretary
(Title)

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

16--64068-6

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		208.82			208.82	208.82
(b) Rented[2]	165.00	903.00	1068.00	165.00	903.00	1,068.00
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

Colorado Branch

Date Rec'd
MAY 7 1952
BUREAU OF MINES
Denver, Colorado

Report of progress for March 1952 by Cherokee Mines on the Blackhawk No. 1 Exploration Project.

Docket 1702 IDM-E61.

The end of March found the shaft now down to the 160 foot point with one round of rock to be mucked out. However due to handling so much muddy water our pump has become so badly worn that it is becoming increasingly difficult to keep it handling the water. We are replacing the worn parts as rapidly as they can be obtained and hope to be able to keep the water under control until the parts arrive. To do this we have had to resort to bailing with our ore bucket in order to relieve the pump as much as we can. The flow of water has increased so rapidly since the Spring thaws began that the pumping problem is becoming our major headache. We are not planning to attempt to sink farther until the flow of water decreases.

Hitches have been cut and bearing timbers are in place upon which the station set will rest for the 150 foot level. Most of the holes for the station round are already drilled and as soon as the sump is cleaned out we will place a bulkhead over it and start cutting the station.

In sinking the last ten to twelve feet we encountered a dike of very hard black rock which seems to be lying along the North wall of the vein and we feel that it is possible that this dike may be the contact rock forming one wall of the vein and might tend to give more consistency to the vein, which heretofor has been very unpredictable. There are some seams in this rock which are very strongly radio-active. The pitchblend being a coating upon the faces of the rocks.

As the progress this last month has been entirely confined to sinking a sketch of the progress would not depict the situation any clearer and consequently we feel that it is not necessary.

Cherokee Mines

By H H Sackett
Mgr.

Colorado Branch

Date Rec'd
MAY 7 1952
BUREAU OF MINES
Denver, Colorado

Payroll Cherokee Mines
April 1952

XXXXX Name	Class	Reg Time	O. T.	Rate	Total	SS	Wtax
Louie Gueswell	miner	208	16	1.75	392.00	5.88	33.20
Frank Gueswell	miner	208	16	1.75	392.00	5.88	33.20
Lester Hess	Miner	208	16	1.35	302.40	4.54	26.60
Alvin Kinvery	miner	110	2	1.35	151.20	2.26	8.50

By H Gerald Hogan
Secretary

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]	1,237.60	7,939.75	9,177.35	1,237.60	7,939.75	9,177.35
5. Supervision	275.00	1,925.00	2,200.00	275.00	1,925.00	2,200.00
6. Supplies						
(a) Timber	166.67	129.93	296.60	166.67	129.93	296.60
(b) Explosives	171.77	363.70	535.47	171.77	363,70	535.47
(c) Repair Parts	92.24	160.77	170.01	9.24	160.77	170.01
(d) Other	31.16	934.11	966.33	31.16	934.17	965.33
7. Power	—	492.49	492.49		492.49	492.49
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	36.00	236.47	272.47	36.00	236.47	272.47
	18.56	120.28	138.84	18.56	120.28	138.84
10. Contract Work						
11. Other (specify)						
					31.81	31.81
Total	2116.80			2111.00		
Deletions						
Adjusted totals						
Totals previously reported		1,3446.19			1,3446.19	
Totals to date			1,556.99			1,5557.19

[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 R. L. Bolmer
Amount approved for payment $1,899.90
Remarks

16—64068-3

Schedule DMA 52-54
May 26, 1952
1,899.90

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	1,512.60	169.80		424.40	2116.80					
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1,512.60	169.80		424.40	2116.80					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

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

224 New Customhouse
Denver 2, Colorado

April 30, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado

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 1702X, Contract I-DMA-E61, Cherokee Mines.

J. F. Shaw
J. F. Shaw, for
J. H. East, Jr.

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals
MAY 5 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 61

C
O
P
Y

Name of Operator Cherokee Mines
Docket No. DMA 1702X
Total Contract Amount $ 15,000.00
Government Participation: 90 % Amount, $
Distribution of Expenditures for Month of March, 1952

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

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

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

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

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

CERTIFICATION

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

Cherokee Mines
(Name of Company)

By /s/ Wilford F. Cram
(Signature of Authorized Official)

April 8, 1952
(Date)

Secretary
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		208.82	208.82		208.82	208.82
(b) Rented[2]	165.00	738.00	903.00	165.00	738.00	903.00
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

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

224 New Customhouse
Denver 2, Colorado

April 30, 1952

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, Field Team, Region IV

Subject: Form MF-104, DMA Docket 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado

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 1702X, Contract I-DMA-E61, Cherokee Mines.

J. F. Shaw
J. F. Shaw, for
J. H. East, Jr.

Enclosures

1d

cc: Contract, ehron.
Koschmann
Traver

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAY 5 1952

Schedule DMA 52-45

April 24, 1952

$1729.77

4-25-52

Mining Division
Region IV

April 18, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado - 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 $1,729.77, which is 90 percent of the total of $1,921.97, which reflects a deduction as follows:

Deduction of stoper repairs - not allowable under the contract	$176.43
Error in addition of component parts of item 6(c)	.10
Total Deductions -	$176.53

An amendment is in process to authorize the increase of Miner payrate to $1.75 per hour, retroactive to March 1, 1952, therefore the deduction report was not made.

W. H. KING

W. H. King

Enclosures

JWT:cc
cc: DMA Contract
Chron.
Secretary to the Operating Committee
WMTraver
AHKoschmann (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES

Region IV

Mining Division
Date Rec'd.
APR 16 1952
BUREAU OF MINES
Denver, Colorado

Building 20
Denver Federal Center
Denver 14, Colorado
April 15, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 17CRX, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado - progress report for March 1952

Please find enclosed four copies of the above progress report, form MF-104, with narrative and payroll, and six copies of R. R. McLellan's memorandum covering inspection of the underground progress and accounts.

McLellan approves payment of $1,686.67, or 90 percent of the total claimed less $291.09 in deductions not allowable by contract.

Deductions

Wages:	Payment in excess of rate allowed by contract amendment. Note: Operator calculates wages on basis of 6-day, 48-hour week at regular pay rate plus 4 hours overtime for sixth day at regular rate.	$109.50
Compensation:	Deduction based on wage reduction.	3.42
Social security:	Deduction based on wage reduction.	1.64
Item 6 (c):	Typographical error, deduction.	.10
Item 6 (c), Repairs:	Deduction for steper repairs. (Use of or depreciation of steper not provided for in contract consisting of shaft sinking and drifting.)	176.43
	Deductions, total	$291.09

SWH;dd

cc 3
AHKoschmann
E61
DMEA Chron.

enclosures

Scott W. Hazen, Jr., for
W. M. Traver, Jr.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
April 15, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: R. R. McLellan

Subject: DMA 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado - progress report for March 1952

The underground progress was checked on April 11 in company with C. M. Harrer. The low side of the shaft measured exactly 50 feet below the 100-foot level. Work is continuing on the 150-foot station and the sump. It should be noted on form MF-104 under "Units to date" that 75 units have been reported instead of the correct 74 units. "Units previously reported" should be 62 and "Units this month" should be 12.

The accounts were checked in Fort Collins with W. Cram, Secretary.

Item 2 (b), Operating equipment rented, $165.00, consists of $120.00 for a hoist and $45.00 for a jackhammer. The hoist rental is allowable under the terms of the contract, and the jackhammer rental is allowable by an amendment dated March 11, 1952.

Item 4, Labor. An amendment dated September 24 allows a $1.50 per hour wage rate for miners. In order to hold two of the most capable men, it was necessary to grant a $1.75 per hour rate for the two men. A request for an amendment to cover this last increase has been submitted for approval.

The gross labor charge of $1,214.70 should be reduced by $109.50. The operator, without prior approval, exceeded the maximum wage rate of $1.50 per hour by a total of 438 hours at $0.25 per hour, or $109.50.

Item 5, Supervision, $275.00, includes the allowable charge of $50.00 for a bookkeeper.

Item 6, Supplies: (a) Timber, $37.87, correct and verified by invoices. (c) Repair parts, consists of the following:

Steel and bits	$ 29.16
10 gallons oil (cable)	14.50
350 feet hoist cable	80.50
Cable clips	1.13
Thimble	.52
Tax on cable and accessories	2.53
Total	$128.34

The above supplies probably should be included under 6 (d). All items with the exception of steel and bits apply to the replacement of a hoist cable rather than to the repair of a piece of equipment. The cable is allowable by an amendment dated March 11, and the purchase is verified by invoice.

The following repair parts are for a stoper and possibly should be disallowed:

Cup leather	$ 1.70
Feed cylinder	44.75
Feed yoke	8.85
Rifle nut	6.55
Chuck driver nut	9.20
Hammer N-400	49.65
Rifle bar	27.15
Cylinder liner	11.30
Front lubricator	4.40
Side rod gaskets	.60
Tax on parts	3.28
Labor charge	9.00
	$176.43

There was little or no need for a stoper while sinking the shaft. The Government, by the amendment of March 11, 1952, will participate in the rental of a jackhammer with a jackleg which should eliminate entirely the need of a stoper during the life of the contract.

(d) Other, $41.05, consists of the following:

Small hardware items	$ 25.19
1 tank of oxygen	6.33
Freight charges	4.96
14 feet of oak dowl	4.57
	$ 41.05

The freight charges should be included under item 8, Transportation. All items under (d) are allowable and are verified by invoices.

An additional deduction of $0.10 should be made from item 6 (c) due to a typographical error.

Item 9 (c), Workmen's compensation, $37.00, should be reduced to $33.58, a difference of $3.42 which includes $2.95 compensation and $0.47 for occupational disease. The reduction corresponds to the disallowance of wages in item 4.

Item 11, Other. Social security, $18.21, should be reduced to $16.57, a difference of $1.64 which corresponds to the disallowance of wages in item 4.

Payment is approved for $1,626.67, or 90 percent of the claimed $2,098.50 less $109.50 overcharge on wage rate, $176.43 for stoper, $0.10 typographical error, $3.42 reduction of workmen's compensation, and $1.64 reduction of social security. Total deductions amount to $291.09.

Russell R. McLellan

Russell R. McLellan,
Mining Engineer

RRM/dd
cc 5
AHKoschmann
E61
DMEA Chron.

Colorado Branch

Date Rec'd
APR 10 1952
BUREAU OF MINES
Denver, Colorado

Fort Collins, Colo.

April 3, 1952

Report of Progress for March 1952.

Black Hawk Shaft

Re: Dockett 1702 IDM E61

During the month of March we continued to sink in the shaft of the Black Hawk Mine. We passed out of the vein at about the 137 foot level and into a granite formation which continued to the 148 foot level where we were on April 1, 1952. Due to the bad storm the miners lost some time away from the mine which allowed the shaft to collect a considerable amount of water which required two days to pump out before normal operations could continue.

Cherokee Mines

By: W. Gerald Hogan
Secretary

PAYROLL CHEROKEE MINES
Dockett No. DMA 1702 X
March 1952

Colorado Branch
Date Rec'd
APR 10 1952
BUREAU OF MINES
Denver, Colorado

Name	Class	Rg Time	Overtime	Rate	Total	S S	W. Tax
Louie Gueswel	~~Hoist Man~~ ~~Mechanic~~ co. miner	202	17	1.75	383.25	5.74	34.60
Frank Gueswel	~~Lead~~ Miner	202	17	1.75	383.25	5.74	34.60
Lester Hess	Miner	202	17	1.35	295.65	4.44	25.80
Alvin Kingrey	Miner	109	~~8~~	1.35	152.55	2.29	7.10
T. H. Sackett					225.00		
Wilford Cram	Secretary				50.00		

Wilford Cram
Secretary

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						
	W		W			
4. Labor[3]	1214.70	6725.05	7939.75	1214.70	6725.05	7939.75
5. Supervision	275.00	1650.00	1925.00	275.00	1650.00	1925.00
6. Supplies						
(a) Timber	37.87	92.06	129.93	37.87	92.06	129.93
(b) Explosives	--	363.70	363.70	--	363.70	363.70
(c) Repair Parts	304.87	32.33	337.20	128.34	32.33	160.67
(d) Other	41.05	893.12	934.17	41.05	893.12	934.17
7. Power		492.49	492.49		492.49	492.49
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	37.00	199.47	236.47	37.00	199.47	236.47
Hoist	4.80	27.01	31.81	4.80	27.01	31.81
10. Contract Work						
11. Other (specify)						
S S	18.21	102.07	120.28	18.21	102.07	120.28
Total						
Deletions	2098.50			-176.53		
Adjusted totals				1921.97	11,524.12	13,446.09
Totals previously reported		11524.12		11524.12		
Totals to date			13622.62	13446.09		

[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 SWH for
Approved by /s/ Russell R. McLellan WMT
Amount approved for payment 1626.67 1626.67
Remarks

JWY
1729.97 (or .77) sa

16—64068-3

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	1489.70	169.80		439.00	2098.50	1 ft.	11	64	75	76
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1489.70	169.80		439.00	2089.50		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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 3 - 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 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado

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 1702X, Contract I-DMA-E61, Cherokee Mines.

W. H. King

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

Enclosures

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 61

Copy

Name of Operator Cherokee Mines
Docket No. DMA 1702 X
Total Contract Amount $ 15,000
Government Participation: 90 % Amount, $
Distribution of Expenditures for Month of February 1952

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

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

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

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

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

CERTIFICATION

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

Cherokee Mines
(Name of Company)

By /s/ Wilford F. Cram
(Signature of Authorized Official)

March 4, 1952
(Date)

Secretary
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		208.82	208.82		208.82	208.82
(b) Rented[2]	165.00	573.00	738.00	165.00	573.00	738.00
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

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 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado

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 1702X, Contract I-DMA-E61, Cherokee Mines.

W. H. King

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

Enclosures

ld

cc: Contract, chron.
Koschmann
Traver, w/1 cpy of MF-104.

Schedule DMA 52-37

Mar 27, 1952

$1815.11

WLP
3/28/52

Mining Division
Region IV

March 13, 1952

Memorandum

To: W. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 17001, Contract I-DMA-261, Cherokee Mines, Larimer County, Colorado - Operator's Monthly Progress Report for the period 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 90 percent of the total reported after the following disallowances are made:

1. Amount of wages for 44 hours at $1.15 per hour.

2. Applicable taxes and social security based on the same 44 hours.

Four miners are allowed by the contract, whereas five are reported on the payroll. Considering the 214 man hours as average for the month as shown for 3 of the employees, the sum of the hours of the other 2 miners, showing 185 and 140 respectively, exceed the average hours that could be allowed by a fourth miner by 44 hours. These 44 hours are disallowed.

W. H. KING

W. H. King

Enclosures

WLD:cc

cc: Secretary to the Operating Comm.
WMTraver
AHKoschmann
DMA Contract, Chron.

Mining Division
Region IV

March 13, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1702, Contract I-OMA-263, Cherokee Mines, Gilpin County, Colorado - Operator's Monthly Progress Report for the period of February, 1952

Enclosed are the original and three copies of Form M-100, Activity Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended for 90 percent of the total reported after the following disallowances are made:

1. Amount of wages for 48 hours at $4.32 per hour.

2. Applicable taxes and social security based on the same 48 hours.

Four miners are allowed by the contract, whereas five are reported on the payroll. Considering the 216 base hours as average for the month as shown for 3 of the employees, the sum of the hours of the other 2 miners, showing 180 and 160 respectively, exceed the average hours that could be allowed by a fourth miner by 48 hours. These 48 hours are disallowed.

W. H. KING

W. H. King

Enclosure

WHK:ec

cc: Secretary to the Operating Comm.
WMTraver
AHCoachman
DMA Contract, Chron.

RRM/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
March 10, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: R. R. McLellan

Subject: DMA 17CRX, Contract I-DMA-861, Cherokee Mines, Larimer County, Colorado - progress report for February 1952

The project progress and accounts for February 1952 were checked on March 7, 1952, by S. W. Hanson, Jr., and R. R. McLellan. The progress at the mine was found to be correct as reported.

Loose, wet ground slowed the progress during the final two weeks of the month. Considerable water was flowing into the shaft between the 120-foot level and the bottom.

The vein dipped away from the shaft at the 125-foot level; however, radioactive stringers were noted at a depth of approximately 130 feet. The stringers apparently are parallel to the vein.

The February accounts were correct as listed on form MF-104.

Item 2 (b), Operating equipment rented, $165.00, consists of $120.00 for the hoist and $45.00 for a new jackhammer. The rental charge for the jackhammer probably is allowable by an amendment recently submitted. A portion of the rental will apply towards purchase.

Item 4, Labor, $1,225.80, is correct and verified by the attached payroll.

Item 5, Supervision, $275.00, includes $225.00 for supervisor and $50.00 for bookkeeper.

Item 6, Supplies. (a) Timber, $13.85, and (b) Explosives, $26.27, were verified by invoices. (d) Other, $85.80, consisted of allowable small stores, all verified by invoices.

Item 7, Power, $226.19, was billed for two months and was verified by an invoice.

Item 9 (c), Workmen's Compensation, $36.00, is correct at $2.95 per $100.00. Hoist insurance, $4.80, is correct.

Item 11, Other. Social security, $18.37, is verified by the attached payroll.

Total of all items is $2,077.88.

DMA 1702X, E61
3/10/52

Payment is approved for $1,869.37, or 90 percent of the $2,077.08 claimed.

Russell R. McLellan

Russell R. McLellan,
Mining Engineer

cc 5
AHKoschmann
E61
DMEA Chron.

CHEROKEE MINES

Fort Collins, Colorado.
March 3, 1952.

Re: Docket 1702 - [redacted] - E 61

Report of Progress for February, 1952, Black Hawk No. 1 Shaft.

During the first part of February, we were able to make good progress in sinking the Black Hawk No. 1 Shaft; and the south wall, which had given us considerable caving trouble, seemed to be getting more solid. However, about the middle of the month, a large part of the wall slid into the shaft.

This slide necessitated timbering to within a few feet of the bottom of the shaft and caused us to lose some sinking time. We have been forced to carry the timbering closer to the bottom since then; and to protect the mine timbering with blasting timbers.

The old jackhammer which we have been using began to give us so much trouble that it was delaying our progress; and we finally had to arrange for renting a new one in order to continue our work.

Our vein dipped out of the shaft at about the 125-foot level; but a number of radio-active areas show up at about 130 feet, and some additional ore has been accumulated from the bottom of the shaft. We now have an estimated thirty-five (35) tons of ore, a test sample of which assayed 0.48 per cent. If the right kind of freight arrangements can be made, this will be shipping ore.

On the first day of March, the deep side of the shaft was approximately 136 feet.

CHEROKEE MINES

By T H Sackett
T. H. Sackett, Mgr.

PAYROLL CHEROKEE MINES
Dockett No. DMA 1702X
February 1952

Name	Class	Rg Time	Overtime	rate	Total	SS	W. Tax
Louie Gueswel	miner	~~208~~ 200 ac	16	$1.35	$291.60	$4.37	$14.00
Frank Gueswel	miner	~~208~~ 200 ac	16	"	291.60	4.37	14.00
C. H. Cook	miner	92	8	"	135.00	2.03	---
Alvin Kingrey	miner	152	8	"	216.00	3.23 ac	11.70
Lester Hess	Miner	200	16	"	291.60	4.37	25.00

H Upford O'Crean
Secretary

J. RAYMOND KISSOCK, PRESIDENT MATTHEW AULD, TREASURER WILFORD F. CRAM, SECRETARY

AULD, KISSOCK, CRAM, INC.

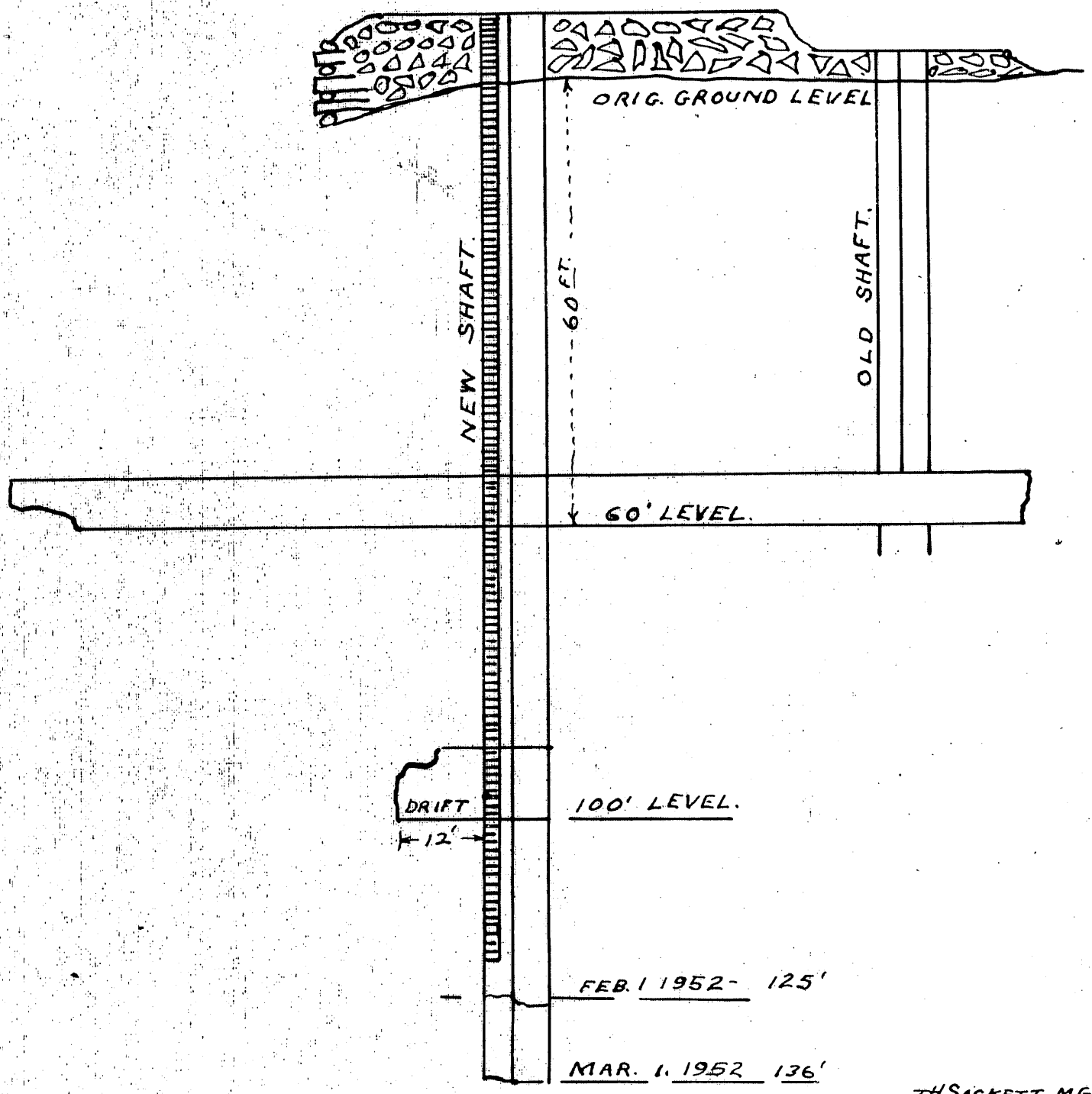
AUTOMOBILE FINANCING
GENERAL INSURANCE

122 SOUTH COLLEGE AVE. TELEPHONE 583

FORT COLLINS, COLORADO

PLAT SHOWING FEBRUARY 1952 DEVELOPMENT BLACKHAWK SHAFT - CHEROKEE MINES.

DOCKETT-1702-IDM:E61.



TH SACKETT, MGR.

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]	1,225.80	5,558.65	6,784.45	1,166.40	5,558.65	6,725.05
5. Supervision	275.00	1,375.00	1,650.00	275.00	1,375.00	1,650.00
6. Supplies						
(a) Timber	13.85	78.21	92.06	13.85	78.21	92.06
(b) Explosives	26.27	337.43	363.70	26.27	337.43	363.70
(c) Repair Parts		32.33	32.33		32.33	32.33
(d) Other	85.80	807.32	893.12	85.80	807.32	893.12
7. Power	226.19	266.30	492.49	226.19	266.30	492.49
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	36.00	163.47	199.47	36.00	163.47	199.47
Hoist Ins.	4.80	22.21	27.01	4.80	22.21	27.01
10. Contract Work						
11. Other (specify)						
S.S.	18.37	84.59	102.96	17.48	84.59	102.07
Total	2,077.08	9,507.33	11,584.41		9,507.33	11,524.12
Deletions				60.29		
Adjusted totals				2,016.79		
Totals previously reported		9,507.33	11,584.41	9,507.33		
Totals to date			11,584.41	11,524.12		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ Russell R. McLellan WMD (?)
Amount approved for payment 1869.37 1869.37
Remarks

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF February 1952

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts	1,500.80	169.80		406.48	2,077.08					
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1,500.80	169.80		406.48	2,077.08					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

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

224 New Customhouse
Denver 2, Colorado

March 24, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form M F-104, DMA Docket 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado, Operator's Supplemental Progress Report

Enclosed are the Operator's Supplemental Progress Report Form MF-104, Operator's Narrative Report and Inspecting Engineer's Narrative Report and other supporting data for December, 1951 and January, 1952 pertaining to DMA Docket 1702X, Contract I-DMA-E61, Cherokee Mines.

J. H. East, Jr.

J. H. East, Jr.

Enclosure

Schedule DMA 52-33

Mar 18, 1952

$12.15

WLD 3/24/52

MF-104
(August 1951)

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

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E 61

Name of Operator Cherokee Mines
Docket No. DMA 1702 X
Total Contract Amount $ 15,000
Government Participation: 90 % Amount, $
Distribution of Expenditures for Month of Supplemental report

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.

Cherokee Mines
(Name of Company)

By /s/ Wilford Cram
(Signature of Authorized Official)

March 4, 1952
(Date)

Secretary
(Title)

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

16—64068-6

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]						
(*b*) Rented[2]						
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

Mining Division
Region IV

March 12, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Contract 17088, Contract I-[illegible]-[illegible], Shoshone Mine, Larimer County, Colorado - Operator's Supplemental Progress Report for the periods of January, 1952 and December, 1951.

Enclosed are the original and three copies of Form MF-14b, Executive 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 $11.15, which is 79 percent of the total of $13.50.

W. H. KING

W. H. King

Enclosure

WHK:cc

cc: Secretary to the Operating Comm.
DMA Contract, Chron.
WMTraver
AHKoschmann

Mining Division
Region IV

March 12, 1952

Memorandum

To: A. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Project IV/XX, Contract I-[illegible]-61, Cherokee Mines, Jackson County, Colorado - Operator's Supplemental Progress Report for the periods of January, 1952 and December, 1951.

Enclosed are two original and three copies of Form M-10, 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 $12.15, which is 90 percent of the total of $13.50.

W. E. KING

W. E. King

Enclosure

WEK:oc

cc: Secretary to the Operating Comm.
DMA Contract, Chicago
WMTraver
AHCoscharas

C O P Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
March 10, 1952

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado - supplemental report for December 1951 and January 1952

Please find enclosed four copies of a supplemental report, form MF-104, with justification covering a reclaim totalling $13.50 for erroneous payroll entries--$5.40 for December 1951 and $8.10 for January 1952.

I am approving the reclaim for $12.15, or 90 percent of the amount shown of $13.50 by the contractor.

Two "Administrative Audit Difference Statements" are attached to the MF-104 forms.

/s/ W. M. Traver, Jr.

enclosures

COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
March 10, 1952

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 17023, Contract I-DMA-561, Cherokee Mines, Larimer County, Colorado - supplemental report for December 1951 and January 1952

Please find enclosed four copies of a supplemental report, form MT-104, with justification covering a reclaim totalling $13.50 for erroneous payroll entries--$5.40 for December 1951 and $8.10 for January 1952.

I am approving the reclaim for $12.15, or 90 percent of the amount shown of $13.50 by the contractor.

Two "Administrative Audit Difference Statements" are attached to the MT-104 forms.

/s/ W. M. Traver, Jr.

enclosures

224 New Customhouse
Denver 2, Colorado

March 24, 1952

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, Field Team, Region IV

Subject: Form M F-104, DMA Docket 1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado, Operator's Supplemental Progress Report

Enclosed are the Operator's Supplemental Progress Report Form MF-104, Operator's Narrative Report and Inspecting Engineer's Narrative Report and other supporting data for December, 1951 and January, 1952 pertaining to DMA Docket 1702X, Contract I-DMA-E61, Cherokee Mines.

J. H. EAST, JR.

J. H. East, Jr.

Enclosure

ld

cc: Contract, chron.
Koschmann
Traver, w/1 copy of MF-104

J. RAYMOND KISSOCK, PRESIDENT MATTHEW AULD, TREASURER WILFORD F. CRAM, SECRETARY

Cherokee Mines

AULD, KISSOCK, CRAM, INC.

AUTOMOBILE FINANCING
GENERAL INSURANCE

122 SOUTH COLLEGE AVE. TELEPHONE 583

FORT COLLINS, COLORADO

March 4, 1952

Mr. W. H. Traver Jr.

US Bureau of Mines
Bldg 2-A Denver Federal Center
Denver, Colo.

Re: Supplemental report

Dear Mr. Traver:

Enclosed please find a supplemental report in the amount of $13.50 and Administrative Audit Difference Statement showing this disallowance.

In the progress report of December 1951 a disallowance of $5.40 was made as an overclaim on wages for Lester Hess. This was not an overpayment but an error in typing the number of hours Hess worked. Mr. Hess had overtime of 8 hours instead of 4 as shown on the payroll record.

In the progress report of January 1952 a disallowance of ~~$~~ $8.10 was make as an overclaim on wages of Curtis Lindsey. This is another error in typing the payroll report. The regular time should have been 80 hours instead of 82 hours thus making the amount correct in both cases.

We feel that since these were mistakes in putting down the figures and not in the amount of payroll we actually paid that these disallowances should be paid to us.

Very truly yours,

Cherokee Mines

By: W. Gord F. Cram
Secretary

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]	13.50			13.50		
5. Supervision						
6. Supplies						
(a) Timber						
(b) Explosives						
(c) Repair Parts						
(d) Other						
7. Power						
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation						
10. Contract Work						
11. Other (specify)						
Total	13.50			13.50		
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date						

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by

Entered by

Approved by /s/ WMTraver, Jr. WLD

Amount approved for payment $12.15 $12.15

Remarks

16—64008-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF .....

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
Drifting										
Crosscutting										
Raising										
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
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.
[4] Specify whether feet, cubic feet, acres, miles, etc.

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MF-104
(August 1951)

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

Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 61

Name of Operator Cherokee Mines
Docket No. DMA 1702 X
Total Contract Amount $ 15,000
Government Participation: 90 % Amount, $
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.

Cherokee Mines
(Name of Company)

By Wilford W. Cram /s/
(Signature of Authorized Official)

February 4, 1952
(Date)

Secretary
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Fixtures						
2. Operating Equipment:						
(*a*) Purchased[1]		208.82	208.82		208.82	208.82
(*b*) Rented[2]	120.00	453.00	573.00		453.00	573.00
(*c*) Furnished by operator						
3. Rehabilitation and Repairs:						
(*a*) Facilities						
(*b*) Buildings						
(*c*) Installations						

Mining Division
Region IV

December 19, 1952

Memorandum

To: T. A. Christensen

From: Acting Chief, Mining Division, Region IV

Subject: DMA Docket 1702X, Contract Ida-861, Cherokee Mines, Larimer County, Colorado - Operator's Monthly Progress Report for the period of January, 1952

Enclosed are the original and three copies of Form MP-10b, Narrative Report, and Engineer's Report for the above period.

Work accomplished is in accordance with the contract and payment is recommended as follows:

Total Reported	$1,847.23
Disallowance - Amount disallowed on Dec. 1951 Progress Report, but reclaimed in labor total	$.40
Balance -	$1,846.83
Government participation, 90 percent -	$1,657.65

W. H. King
W. H. King

Enclosures

WLD:oc WLD

cc: DMA Contract, Chron.
AHKoschmann
WMTraver

WMT/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
February 14, 1952

Memorandum

To: Acting Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA 1702X, Contract Idm-E61, Cherokee Mines, Larimer County, Colorado - progress report for January 1952

Please find enclosed four copies of the above progress report, form MF-104, with narrative and payroll, and six copies each of R. R. McLellan's and R. L. Bolmer's separate memoranda covering inspection of the underground progress and accounts.

McLellan checked the accounts and, by memorandum report, approves payment of $1,657.65, or 90 percent of $1,841.83. This latter sum is the total claimed by the contractor, $1,847.23, less a $5.40 labor disallowance.

Bolmer's memorandum verifies the underground progress as reported in the contractor's narrative and, in addition, makes an analysis of a request for an amendment which will be submitted shortly by the contractor for $10,000.00 to do the work suggested in the memorandum.

When the request for additional funds is received, it has the approval of the Colorado Branch.

W. M. TRAVER, JR.
W. M. Traver, Jr.

enclosures

cc WHKing
E61
DMEA Chron.

RRM/dd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
February 14, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: R. R. McLellan

Subject: DMA 1702X, Contract Idm-E61, Cherokee Mines, Larimer County, Colorado - progress report for January 1952

The project and January accounts were checked on February 11, 1952, by R. L. Belmer and R. R. McLellan. The progress at the mine was found to be correct as noted in the report.

The January accounts were correct as listed on form MF-104. It should be noted that four hours' overtime was paid to three miners for holiday work on January 1, 1952, thus accounting for twenty hours' overtime per man instead of the normal sixteen hours.

On the December payroll, four hours' overtime was left out due to a typographical error which resulted in an apparent overpayment of $5.40 to Lester Hess. This amount was deducted by the accounting department. Sackett is reclaiming the amount in the January accounts, as noted on the payroll sheet. The original copy of "Administrative Audit Difference Statement" is attached to the payroll.

The $120.00 rental charge, item 2 (b), is applied to the hoist plus the $4.80 insurance charge shown as an additional item under item 9.

All charges under items 6, 9, and 11 were supported by invoices. All supplies under item 6 (d) were justified under the terms of the contract.

The bookkeeping charge of $50.00 has been entered again although no copy of an amendment has been received. It is understood an amendment is being prepared to allow this charge.

The $5.40 disallowed by the Audits Section on the December 1951 progress report has been included under item 4, Labor, and noted on the payroll for January 1952. This sum is again disallowed and the operator is being instructed to submit a supplemental report justifying the reclaim.

Payment is approved for 90 percent of the total claimed, $1,847.23, less $5.40 ($1,841.83), or $1,657.65.

cc 5
AHKoschmann
E61
DMEA Chron.

for W. M. Graves, Jr.
Russell R. McLellan, Mining Engineer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
February 14, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: R. L. Bolmer

Subject: DMA 1702X, Contract Idm-E61, Cherokee Mines, Larimer County, Colorado - progress report for January 1952

The progress during January 1952 consisted of sinking the shaft an additional 20 feet to a depth of 125 feet and placing two shaft sets below the 100-foot level station. The vein has tightened at 125 feet and consists of narrow uraninite stringers in granite. The sulfides present north of the vein at 100 feet have disappeared. The vein cuts the center of the south and east walls of the shaft, striking about S. 78° W. and dipping 79° southwest.

At the end of January, about $4,500.00 remained unexpended. Expenditures have averaged about $1,900.00 per month. At such a rate, work under the contract can continue for slightly in excess of two months. This matter was discussed with T. N. Sackett, manager, and he estimated that in this period the shaft could be extended about 35 feet, or to a depth of 160 feet, and a small station established at the 150-foot level. This would very nearly complete the work as outlined in the contract; however, the company will be unable to proceed with logical follow-up exploration work unless additional funds are made available and additional exploration permitted under an amendment or revision of the present contract.

Drifting on the vein at the 150-foot level for a distance of 50 feet in each direction from the shaft is logical. It would give some estimate as to the extent of the deposit and, at its completion, would leave the company in a position to commence mining and shipping the ore.

At a 150-foot depth, the vein probably will be south of the shaft and a maximum of 20 feet of crosscutting may be necessary to cut it. A 10-foot sump is necessary and a small ore pocket at the station and bucket room will require another 10 feet of shaft below the station. Ten feet of sinking, in addition to the depth reached with the present funds, will be required. The expiration date of the contract as amended is September 1, 1952, which would allow five months after the present funds are expended to complete the proposed additional work.

It is believed the company's air slusher can be used to move broken rock to the shaft. If this is not practical, it owns mine rail and a dolly which could be used, but a second bucket would have to be purchased. Ventilation may be necessary and the rental of a blower and the purchase of ventilation pipe should be considered. A new hoisting cable will be necessary. The company's present jackhammer is worn badly and a new one equipped with an air leg should be rented for drifting. The estimated cost of the proposed work is about $10,000.00 and is itemized as follows:

Sink 10 feet	$1,200.00
Crosscut and drift 120 feet	6,080.00
Rental of hoist, blower, jackhammer	1,125.00
Purchase cable, vent pipe, used bucket	275.00
Supervision, bookkeeping	1,375.00
	$9,975.00

The company is preparing a request for an amendment to its present contract which will cover essentially the work discussed above and an increase in funds of approximately $10,000.00.

R. L. Bolmer

R. L. Bolmer,
Mining Engineer

RLB/dd

cc 5
AHKoschmann
E61
DMEA Chron.

Report of Progress for January 1952.

Black Hawk Shaft. Dockett 1702 IDM-E61.

With every thing completed on the timbering of the 100 foot station we were able to expend all our energies in sinking the shaft. Beginning with the lowest side of the shaft at about 105 feet we went steadily downward and by the first of February were at the 125 foot point. Timbering was carried along as close as shooting would permit.

Warm weather duringthe month caused considerable melting of surface snow and it seems to have increased the amount of water being made in the shaft. However no trouble is being experienced in taking care of additional flow.

The vein of Uranium which we have been calling the main vein has pinched some or else has dipped into the South wall of the shaft. Another vein or deposition of uranium has formed in the South portion of the shaft and extends South westerly from the shaft. There are several very high grade seams of pitchblende exposed at this time. The entire radio active width being between four and five feet. Not enough work has been done at this level to determine what is the nature of the change which is apparently occurring.

We do not feel that a sketch will help show the situation this month and are therefor not submitting one.

We received returns from the Vitro Chemical Co. of Salt Lake City on the truck load of ore we shipped to them in December. The assay was not as high as samples taken by the AEC boys would indicate, but we were not too greatly disappointed. Settlement was made on the basis of .71 % U3O8 content.

If the vein does not leave the shaft completely in the next few rounds we will have another load ready to go some time this month. We also have about thirty tons of ore on the dump which may be good enough to ship. The AEC geologists sampled this dump the other day and we expect to hear about it in a few days.

Cherokee Mines T H Sackett

T. H. Sackett, Mgr.

PAYROLL CHEROKEE MINES
Docket No. DMA 1702X
January 1952

Name	Class	Reg Time	Overtime	Rate	Total	SS	W. Tax
Louie Gueswel	miner	104 Hrs 112	12 Hrs 8Hrs	$1.35	$318.60	$4.78	$19.60
Frank Gueswel	miner	104 112	12 8	"	$318.60	$4.78	$19.60
Lester Hess	miner	104 112	12 8	"	$ 318.60	$4.78	$30.60
Curtis Lindsey	miner	82	12	"	$135.00	$2.02	none
C. H. Cook	miner	32	0	"	43.20	.65	none
T. H. Sackett	Manager	1 month	$225/ month		$225.00	-	-
Wilford Cram	Secretary	1 month	$50/ month		50.00	$-	-

$5.40 included in monthly progress report on wages in January 1952. The error in December report was in number of hours worked not in salary paid.

By: W. Gordon Cram
Secretary

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] Inc. claim 5.40	1139.40	4432.75	5572.15	1125.90	4432.75	5558.65
5. Supervision & Bookkpr.	275.00	1100.00	1375.00	275.00	1100.00	1375.00
6. Supplies						
(a) Timber	15.71	62.50	78.21	15.71	62.50	78.21
(b) Explosives	115.52	221.91	337.43	115.52	221.91	337.43
(c) Repair Parts	19.65	12.68	32.33	19.65	12.68	32.33
(d) Other	107.14	700.18	807.32	107.14	700.18	807.32
7. Power		266.30	266.30		266.30	266.30
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	333.00	130.47	163.47	333.00	130.47	163.47
Hoist	4.80	17.41	22.21	4.80	17.41	22.21
10. Contract Work						
11. Other (specify)						
S. S.	17.01	67.58	84.59	17.01	67.58	84.59
Total	1847.23			---	7673.60	9507.33
Deletions				13.50		
Adjusted totals				1833.73		
Totals previously reported		7673.60		7673.60		
Totals to date			9520.83	9507.33		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ Russell R. McLellan WM
Amount approved for payment 1657.65
Remarks

WLD WHK $1657.65

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	1414.40	124.80		308.03	1847.23	1 ft	20	33	53	76
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1414.40	124.80		308.03	1847.23					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MF-104
(August 1951)

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

Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 61

Name of Operator Cherokee Mines
Docket No. DMA 1702
Total Contract Amount $ 15,000
Government Participation: 90 % Amount, $
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.

Cherokee Mines
(Name of Company)

By /s/ Wilford W. Cram
(Signature of Authorized Official)

January, 5, 1952
(Date)

Secretary
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
1. Fixtures and Improvements:						
(a) Facilities						
(b) Buildings						
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		208.82	208.82	--	208.82	208.82
(b) Rented[2]	120.00	330.00	450.00	120.00	330.00	450.00
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
January 16, 1952

Memorandum

To: Chief, Colorado Branch, Mining Division

From: Scott W. Hasem, Jr.

Subject: DMA 17CRX, Contract Idm-E61, Charokee Mines, Larimer County, Colorado - December 1951 progress report

The mine was visited on January 10, 1952, with R. L. Belmar, of the USBM, and T. H. Sackett. Drifting snow had closed the road and we had to walk the last 2 miles to the mine.

The rate of progress appears to be improving. The shaft was about 10 feet below the 100-foot level and the men were drilling another round. The 100-foot station was completed and timbered. One short drift round had been blasted in the easterly end of the station. Good grade ore is still present in the shaft. Some 1/2-inch wide veinlets of pitchblende have been found. Sackett has shipped 5 tons of ore to the Vitro Chemical Company, at Salt Lake, but returns were not in. The ore was mined prior to the contract. The men are living at the mine and only coming out on weekends. They are keeping the road open as needed with a small dozer owned by the company.

It is doubtful if the company can complete the contract work for the money allotted. They have completed about one half of the work to the date of inspection. They intend to request extension to September 1, 1952, in case winter weather requires a shutdown.

The accounts were checked in Fort Collins with W. Cram, Secretary. The payroll was checked and found correct; copies are attached to the MP-104 forms. It is noted that a $50.00 bookkeeping charge is claimed again for December. This bookkeeping charge has been paid every month beginning with McMillan's first examination. There is no provision in the contract for this charge and, unless there is an amendment which we do not have in our files, the charge is not allowable. There is no copy of the social security form attached. It is apparently a difficult task for the operator to furnish this item.

The following clarification of the accounts is given:

Equipment rental: hoist, $120.00, contract for Dec. 9 to Jan. 9. Paid in advance in December.

Labor: $1,068.90, includes withholding tax (check for $0.30 error).

Supervision: $275.00, includes bookkeeping charge.

Supplies:

Timber - $62.50
6-inch by 8-inch squared mine timber at $0.14 per linear foot, purchased from J. W. Fitzgerald.

Explosives - $25.50
100 pounds No. 2 gelex, purchased from W. Riddell.

Repair Parts - $12.68

Drill bits from J. Pierce	$4.45
Hoist brake lining from Auto Parts Company	6.99
Freight on steel	1.24
	$12.68

Other - $44.04

Shaft bell wire and friction tape, from M. Osborne	$ 7.45
Oil for drill and dozer, from H. Sinclair Company	10.69
Welding rod and flux for repairing bucket, from Hendrie & Bolthoff, Denver (workmen furnishing welding outfit)	5.55
Shaft hanger rods, iron, from Mawson Lumber Company	20.35
	$44.04

Power: $111.70, gasoline for compressor and hoist, from Ted's Place, delivered to mine.

Compensation: $31.00.

Insurance on hoist per rental contract, $4.80.

Employer's social security: $16.93.

Payment is approved for 90 percent of the total claimed subject to findings regarding the item of bookkeeping and the thirty-cent error in the payroll figure on the MF-104 form.

SWH/dd
cc 5
AHKoschmann
E61
DMA Chron.

Scott W. Hazen, Jr.,
Mining Engineer

PAYROLL CHEROKEE MINES
Dockett No. EDA 17028
December 1951

Name	Class	Reg. Time	Over time	Rate	Total	S. S.	W. Tax
Louie Gueswel	miner	104 hrs 89	12 hrs 4	$1.35	$280.80	$4.23	$12.40
Frank Gueswel	miner	104 88	12 4	"	280.80	4.23	12.40
Curtis Lindsey	miner	104 88	12 4	"	280.80	4.23	-----
Lester Hess	miner	96 84	4 -	"	226.80	3.40	11.70
E. H. Dickett	Manager	1 month		$225./mo.	225.00	-	-----
Wilford Cram	Secretary	1 month		$50./mo.	50.00	-	-----

By: Wilford Cram
Secretary

Exploration contract Dockett 1702 IDM- E61.

December 1951 Progress Report.

Before we could continue work on the establishing of the 100 foot station we found that it would facilitate our work if we would sink a sump below the level sufficent depth to provide for eliminating the water from the station which we had begun to cut at the end of Novembr. Accordingly we sank below the 100 foot level to about six feet and then we cut hitches in the south wall for the bearing timbers which we installed to provide for a stronger support of all the timber all the way to the surface. We then placed flooring upon these bearing timbers to hold the muck which was shot out of the station. The first round shot for the station exposed an area of lace type iron bearing ore (pyrite) containing pitchblende in the vugs. We there-for shot one more round to provide a wider station and at the same time explore this unexpected ore. This round showed up a considerable amount of the ore and several hundred pounds of fairly good ore was taken out.

It was decided to shoot out a round or two along drifts toward the vein before attempting to timber the station. We shot two rounds to the East and while we did not reach the vein which we have been following in the shaft we exposed either a branch of that vein or another vein which seems to have a trend more to the North than the main vein. This vein while not yet exposed to a great enough extent to give us much idea of its size is very radio active and is very encouraging.

We also shot another small round about five feet wide in the North wall of the station to study the trend of the lace type pyrite. This round indicates that the ore also extends on to the North with a tendency to bear slightly to the left or West.

All this exploratory work opened up a considerable sized chamber which required much timbering and we are now getting this timber in. Dubing the month several samples were taken by AEC geologists at various places in their study of the deposit. We have not yet heard from these samples.

We also shipped the five and a fraction tons of ore which we had accumulated prior to beginning the work under our contract. This was shipped to the Vitro Chemical Co. in Salt Lake City. We have received our control sample from them and are having it assayed. We do not know the results yet.

We should be in shape to resume sinking within the next few days. We have a stock pile of several tons of ore which has been built up since beginning our DMA contract.

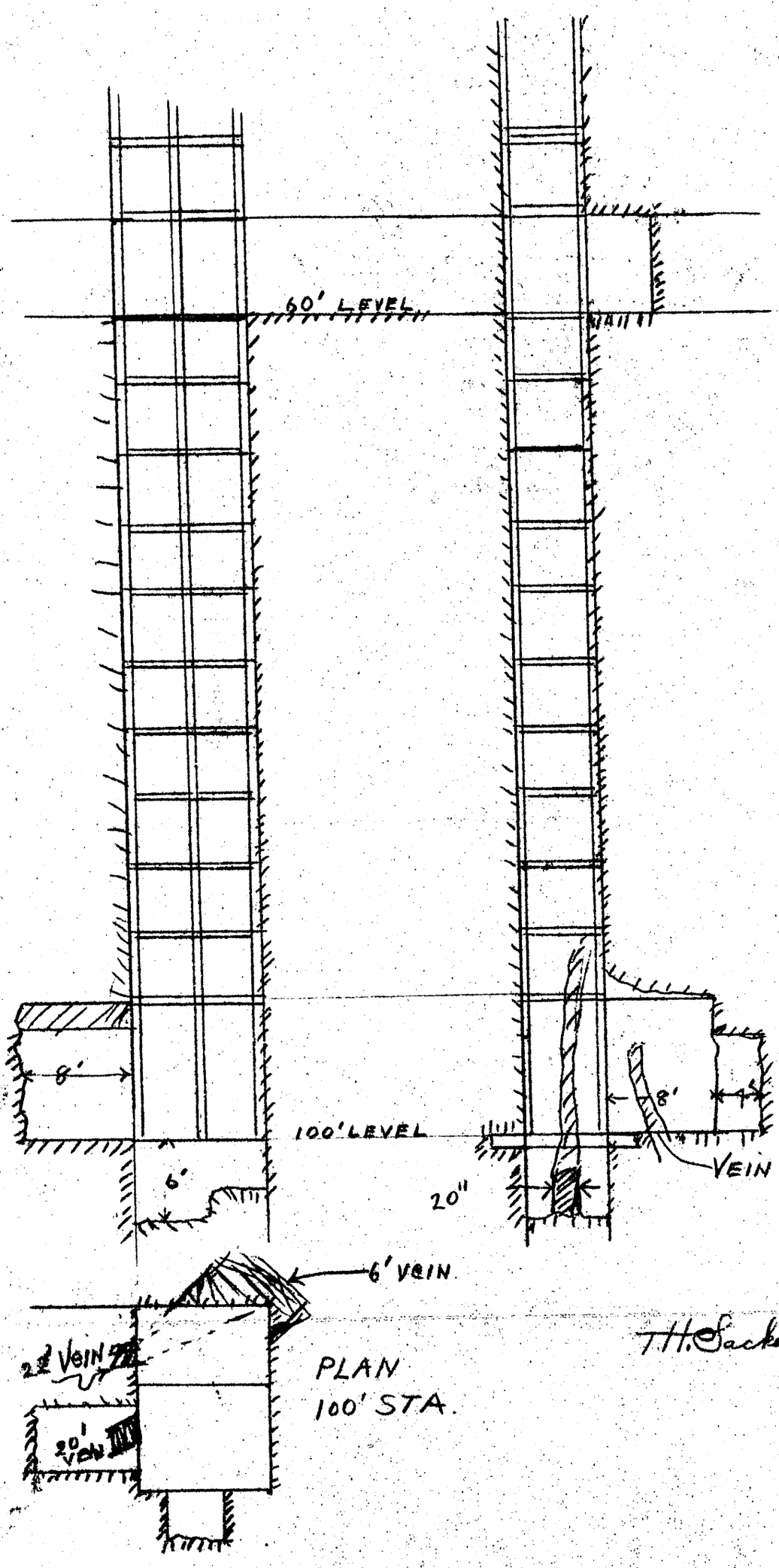
Cherokee Mines,

T. H. Sackett

T. H. Sackett, Pres.

PROGRESS - BLACK-HAWK SHAFT.

DECEMBER - 1951



T. H. Sackett, Mgr.

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]	1068.90	3369.25	4438.15	1063.50	3369.25	4432.75
5. Supervision	275.00	825.00	1100.00	275.00	825,00	1100.00
6. Supplies						
(a) Timber	62.50	---	62.50	62.50	---	62.50
(b) Explosives	25.50	196.41	221.91	25.50	196.41	221.91
(c) Repair Parts	12.68	---	12.68	12.68	---	12.68
(d) Other	44.04	656.14	700.18	44.04	656.14	700.18
7. Power Gasoline	111.70	154.60	266.30	111.70	154.60	266.30
8. Transportation						
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	31.00	99.47	130.47	31.00	99.47	130.47
Hoist	4.80	12.61	17.41	4.80	12.61	17.41
10. Contract Work						
11. Other (specify)						
S. S.	16.93	51.49	68.42	16.09	51.49	67.58
Total	1773.05				5903.79	7670.60
Deletions				6.24		
Adjusted totals		5903.79	7676.84	1766.81		
Totals previously reported				5903.79		
Totals to date			7679.84	7670.60		

[1] Enter amount paid during month toward total purchase price.
[2] Payments for rental of equipment or prorated depreciation on equipment owned by contractor.
[3] Submit copy of the Social Security form filed under the Old Age Insurance system showing complete wage and salary data or furnish copy of payroll sheet giving same data.

NOTE.—Indicate that portion of supervisory, office, and engineering salaries that is chargeable to this project.

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ Scott W. Hazen JWY WHK JWE
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	233.73	21.72	52.65		308.10	1 ft	12	7	19	as necessary
Crosscutting	642.73	59.69	146.15		848.57	1 ft	4	-	4	as necessary
Raising									33	
Shafts	467.44	43.39	105.55		616.38	1 ft	6	27		76
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1343.90	124.80	304.35		1773.05					

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

16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

MF-104
(April 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

C
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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.

Cherokee Mines
(Name of Company)

By Wilford W. Cram
(Signature of Authorized Official)

December 4, 1951
(Date)

Secretary
(Title)

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

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Cherokee Mines
Project No. DMA 1072
Total contract amount $15,000
Government participation percent 90

Distribution of Expenditures for Month of Supplemental Report

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries						
Equipment purchase [1]						
Equipment rental [2]	213.00	none	213.00	213.00	none	213.00
Buildings						
Explosives						
Repair parts						
Other supplies						
Power						
Transportation						
Withholding taxes						
Compensation insurance						
Other insurance						
Contract work						
Other (specify)						
Total	213.00			213.00		213.00
Totals previously reported						
Totals to date						

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ Scott W. Hazen, jr. SUN JWL WHK
Amount approved for payment
Remarks

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

16—64068-1

SWH/amh

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
December 13, 1951

Memorandum

To: Chief, Colorado Branch, Mining Division

From: Scott W. Hasen, Jr.

Subject: DMA-1702X, Contract Idm-E61, Cherokee Mines - November Progress Report and Supplemental Report for rental of hoist.

The subject project and November accounts were checked on December 12, 1951. Progress at the mine was found to be correct as noted on the report. The background count in the middle of the shaft is now 1 full division, 1/2 of the scale, on the No. 2 setting of the Geiger counter. The massive pyrite in the face of the 100-foot level station will, in places, indicate higher value than the background count. Sackett has made arrangements to sell his ore to the Vitro Company in Salt Lake City. He will sell about 6 tons of ore he had stockpiled before the contract was signed. Later shipments will be made from ore sorted after the contract was in force. Freight rate is $18.89 per ton in carload lots and $4.00 per ton from mine to Fort Collins.

The supplemental form MF-104 is for hoist rental for part of September, all of October, and through November 9, 1951. This is submitted for new hoist rental as per amendment.

The accounts for November were found to be correct except for the following: Insurance of $112.61 breaks down to $12.61 for the insurance on the hoist, which is an allowable cost; and $100.00 for the yearly insurance premium on the compressor, which is not allowable. The $280.51 for supplies should be reduced by $13.77 because of a clerical error in adding in this sum. The payroll includes three days in October which was not included in the October accounts.

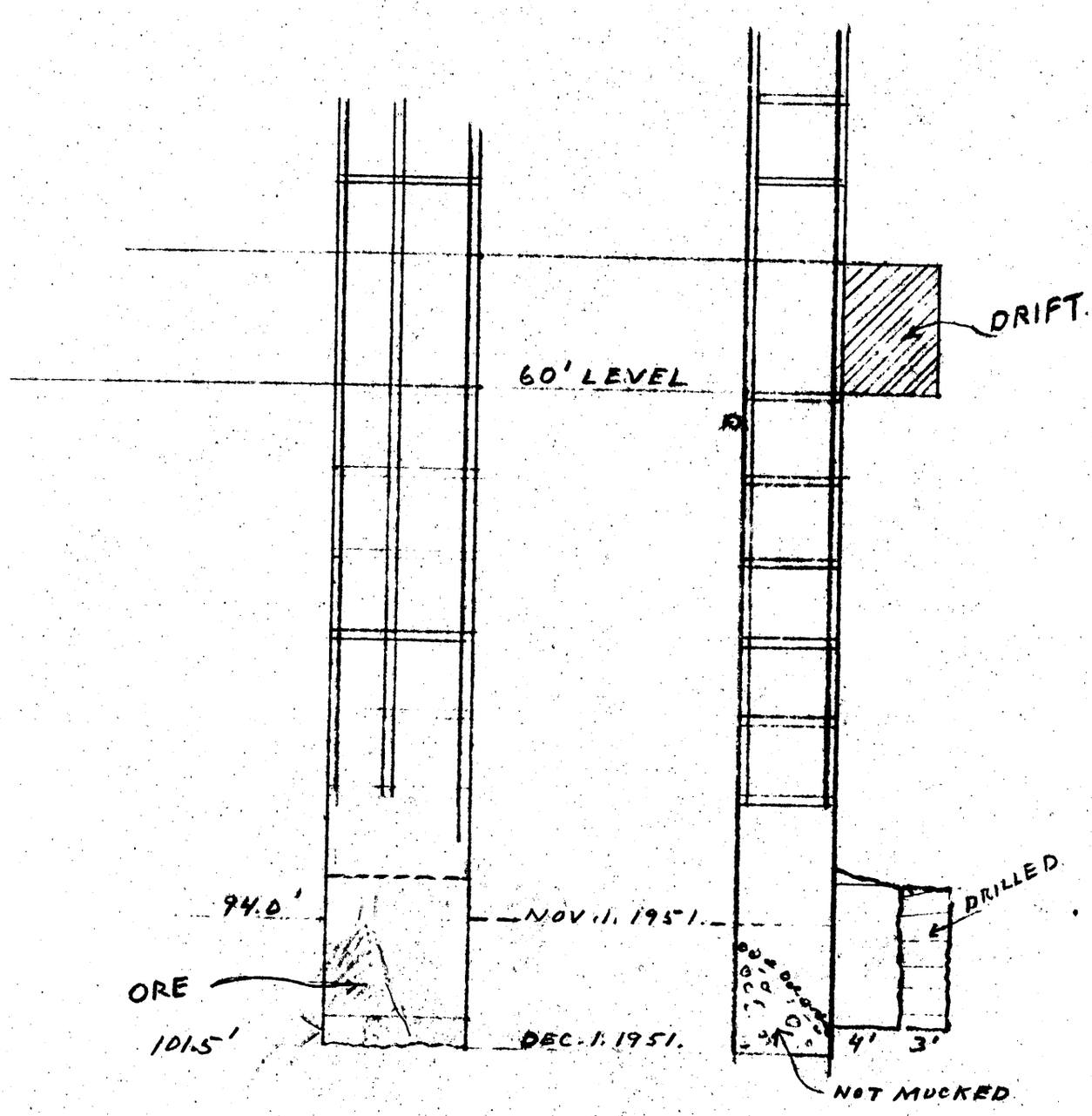
The sum of $2,194.20 expended for November should be reduced by $113.77 which leaves a balance of $2,080.43. Ninety percent of this, or $1,872.39, is approved for payment.

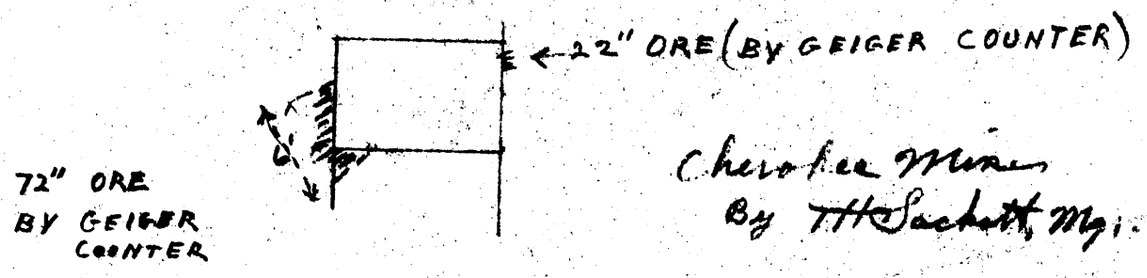
Scott W. Hasen

Scott W. Hasen, Jr.,
Mining Engineer

cc PTAllsman (5)
AHKoschmann
E61
DMA Chron.

PROGRESS - BLACK HAWK #NO. 1. FOR NOV. '51.





Cherokee Mines
By T.H. Sackett, Mgr.

Exploration Project Contract
Docket 1702 IDM-E61

REPORT
of
Progress made on the Black Hawk Shaft During November.

During November we continued sinking the Black Hawk Shaft from the 94 foot point to its present depth. Just before the end of November we began cutting the landing at the 100foot level from which point it is planned to explore the vein in both directions from the shaft.

The present floor of the shaft is approximately 102.5 feet below the surface. As soon as the 100 foot station is properly timbered we will resume sinking.

During the month we replaced the temporary air hoist which we had been using with a Vulcan Iron Works gas driven hoist. To make room for installing the new hoist we had to reconstruct a part of the hoist house.

Our water pump gave us some trouble and delay because of the wearing of the fiber piston packing. We have attempted to get rubber pistons because of the muddy water we are pumping but as yet have not been able to secure them. In the mean time the fiber packing is all we can get.

About the fifteenth of the month we found by using the geiger counter that we had cut ore on the-seth Southwesterly wall of the shaft. This was at the 90 foot level. This continued to widen and at the 100 foot level it was nearly 6 feet wide. Some portions of this ore exposure are very strongly radio active.

The vein exposure on the Northeasterly side of the shaft continues to stay with us and is still nearly perpendicular. This exposure is consistently more radio active than the one on the opposite wall.

The first round which we shot into the Northerly wall of the shaft to make our landing exposed a small vein of ore ~~string~~ striking almost at right angle to the other vein. This North wall at present is largely iron pyrite. This pyrite at some spots is quite vuggy and the vugs in many places contain uranium.

CHEROKEE MINES
T H Sackett
T. H. Sackett, Mgr.

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF .....

Name of operator .....
Project No. DMA .....
Total contract amount .....
Government participation percent .....

TYPE	NUMBER	MAN-SHIFTS	RATE	TOTAL
Miners			$	$
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent				
Engineers				
Geologists				
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
TOTAL				

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

FOR GOVERNMENT USE ONLY

Checked by .....
Entered by .....
Approved by /s/ Scott W. Hazen, jr.
Remarks .....

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF .....

Name of operator .....
Project No. DMA .....
Total contract amount .....
Government participation, percent .....

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

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

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

FOR GOVERNMENT USE ONLY

Checked by .....
Entered by .....
Approved by /s/ Scott W. Hazen
Remarks .....

MF-104
(April 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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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.

Cherokee Mines
(Name of Company)

By /s/ Wilford W. Cram
(Signature of Authorized Official)

December 1, 1951
(Date)

Secretary
(Title)

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

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Cherokee Mines
Project No. DMA 1072
Total contract amount $15,000.00
Government participation percent 90

Distribution of Expenditures for Month of November, 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	1496.70	2477.56	3974.26	1496.70	2477.56	3974.26
Equipment purchase [1]		208.82	208.82		208.82	208.82
Equipment rental [2]	120.00	213.00	333.00	120.00	213.00	333.00
Buildings	-	-	-			
Explosives	25.50	170.91	196.41	25.50	170.91	196.41
Repair parts	-	-	-			
Other supplies	280.51	375.63	356.14	266.74	375.63	642.37
Power		154.60	154.60		154.60	154.60
Transportation	-	-	-			
Withholding taxes	80.10	88.40	168.50	80.10	88.40	168.50
Compensation insurance	39.60	60.47	99.47	39.60	60.47	100.07
Other insurance	112.61		112.61	12.61		12.61
Contract work	-	-	-			
Other (specify) S.S.	39.60	63.38	102.98	39.60	63.38	102.98
Total	2194.02			2080.85	3812.77	5893.62
Totals previously reported		3812.77		3812.77		
Totals to date			6006.79	5893.62		

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ Scott W. Hazen, Jr. SMS JWY WHK
Amount approved for payment
Remarks

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF November, 1951

Name of operator Cherokee Mines
Project No. DMA 1072
Total contract amount 15,000.00
Government participation percent 90

Type	Number	Man-Shifts	Rate	Total
		incl. 29,30,31	Oct. base 1.35	jwa
Miners	4	114	Aug. rate incl $ 11.59	overtime $ 1321.60
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager	1			225.00
Superintendent				
Engineers				
Geologists				
Bookkeeper	1			50.00
Foreman				
Clerks				
Stenographers				
Other				
Total				1596.60

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ Scott W. Hazen
Remarks

16—64068-1

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

Name of operator: Cherokee Mines
Project No. DMA: 1072
Total contract amount: $15,000.00
Government participation, percent: 90%

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	827.70	116.31	153.01		1097.02	1 ft	7	-	7	as necessary
Crosscutting										
Raising										
Shafts	827.70	116.31	153.01		1097.02	1 ft	6	21	27	76
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1655.40	232.61	306.01		2194.02					

[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.

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

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by: Scott W. Hazen, Jr.
Remarks

MF-104
(April 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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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.

Cherokee Mines
(Name of Company)

By /s/ Wilford W. Cram
(Signature of Authorized Official)

November 5, 1951
(Date)

Secretary
(Title)

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

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Cherokee Mines
Project No. DMA 1072
Total contract amount $15,000.00
Government participation percent 90%

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	1271.88	1205.68	2477.56	1271.88	1205.68	2477.56
Equipment purchase [1]	-	208.82	208.82	-	208.82	208.82
Equipment rental [2] see note	186.60	-	186.60	-	-	-
Buildings	-	-	-			
Explosives	97.92	72.99	170.91	97.92	72.99	170.91
Repair parts	-	-	-			
Other supplies	86.14	289.49	375.63	86.14	289.49	375.63
Power Gasoline	118.60	36.00	154.60	118.60	36.00	154.60
Transportation	-	-	-	-	-	-
Withholding taxes	48.90	39.50	88.40	48.90	39.50	88.40
Compensation insurance	31.38	29.09	60.47	31.38	29.09	60.47
Other insurance	-	-	-	-	-	-
Contract work	-	-	-	-	-	-
Other (specify) S.S.	33.94	29.44	63.38	33.94	29.44	63.38
Total	1875.36			1688.76	1911.01	3599.77
Totals previously reported		1911.01				
Totals to date			3786.37			

FOR GOVERNMENT USE ONLY

Checked by
Entered by
Approved by /s/ W. M. Traver, Jr. WDM
Amount approved for payment 1599.88
Remarks

PTA

[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

2 months rental of hoist pending contract amendment applied for.

WMT/amh

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Date Rec'd

Region IV

Building 20
Denver Federal Center
Denver 14, Colorado
November 21, 1951

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA-1702X, Contract I-DMA-E61, Cherokee Mines, Larimer County, Colorado - Progress Report for October 1951

Please find enclosed the contractors progress report, form MF-104 and narrative, for the month of October 1951, and six copies of this memorandum covering the inspection of the subject contract.

T. H. Sackett, President and Manager, John F. Foran, Atomic Energy Commission, and Scott Hasen accompanied me on the inspection November 15. We found the advance in the shaft as stated in the narrative report, with the measurement 34 feet below the 60-foot level for a total depth of 94 feet below the collar. Foran took samples of the uranium vein at both ends of the shaft. According to him, this is the first occasion on which the vein has shown uranium with the counter at the north end of the shaft. His sample there was 2.3 feet wide and at the south end of the shaft 1.3 feet wide.

As a matter of record, while it can be admitted that a fairly good job is being done in the shaft timbering it is a costly operation probably more than an average of $125.00 per foot, with an advance of about 1 foot in 2½ days. Pole lagging is being used instead of slab lagging requiring breaking a larger cross section with corresponding increased drilling, mucking, and higher timbering costs.

Four men are employed in the operation. This seems to the Bureau inspectors as excessive and it would appear that one of the men could well be utilized part time sorting ore on the surface. They have now sorted out 10-12 tons for shipment, whereas it would seem that 50 or 60 tons should be a reasonable expectation. Even the crudest method of sorting would pay for the remainder of the shaft sinking and some attempt should be made to recover the ore already wasted in the mine dump. Pumping operations are inefficient.

After the mine inspection we checked the books at the office of W. F. Cram, Secretary, in Fort Collins. They are correct and confirm the entries made on the MF-104 forms.

Until an amendment is made allowing for hoist rental, that item of $186.60 will have to be disallowed reducing the total from $1,875.36 claimed to $1,688.76. The account is approved for payment of 90 percent of this amount, or $1,519.88.

Wm. Traver, Jr.
W. M. Traver, Jr.

enclosures

cc PTAllsman (5)
AHKoschmann
CCTowle
E61
DMA Chron.

Colorado Branch

Date Rec'd
NOV 6 1951

BUREAU OF MINES
Denver, Colorado

October Report of Progress
on
EXPLORATION PROJECT CONTRACT DOCKETT 1702 LDM-E61.

During the month of October we continued the work of sinking the exploration shaft on the Uranium vein of the Black Hawk #1. As our report for September stated we were at about the 80 foot depth at the end of September. during the month of October we were able to sink to the depth of about 95 feet by the first of November.

Conditions made it necessary to keep the timbering pretty close to the bottom at all times. The West wall continued to remain rather crumbly and we found it necessary to place some crosstimbering under a few of the main plates in order to give them a bearing in the more solid North and South walls. In Places the North wall has been showing a tendency to be rather soft and th hitches have to be made quite deep..

The geologists of the AEC made one visit to the mine during the month and at that time they took several samples of the Uranium vein. As yet we have not heard how these samples ran. However the vein is still continuing to hold it vertical trend and at the present bottom of the shaft there seems to be a tendency for it to widen out, being about twenty five inches wide at the 90 foot level.

The tendency is for the zinc and iron vein which is beside the ursnium vein to come and go. Some rounds produce considerable zinc ore with some copper and others are not so good in these metals. The uranium vein remains quite consistent and each round produces some fair amounts of the ore.

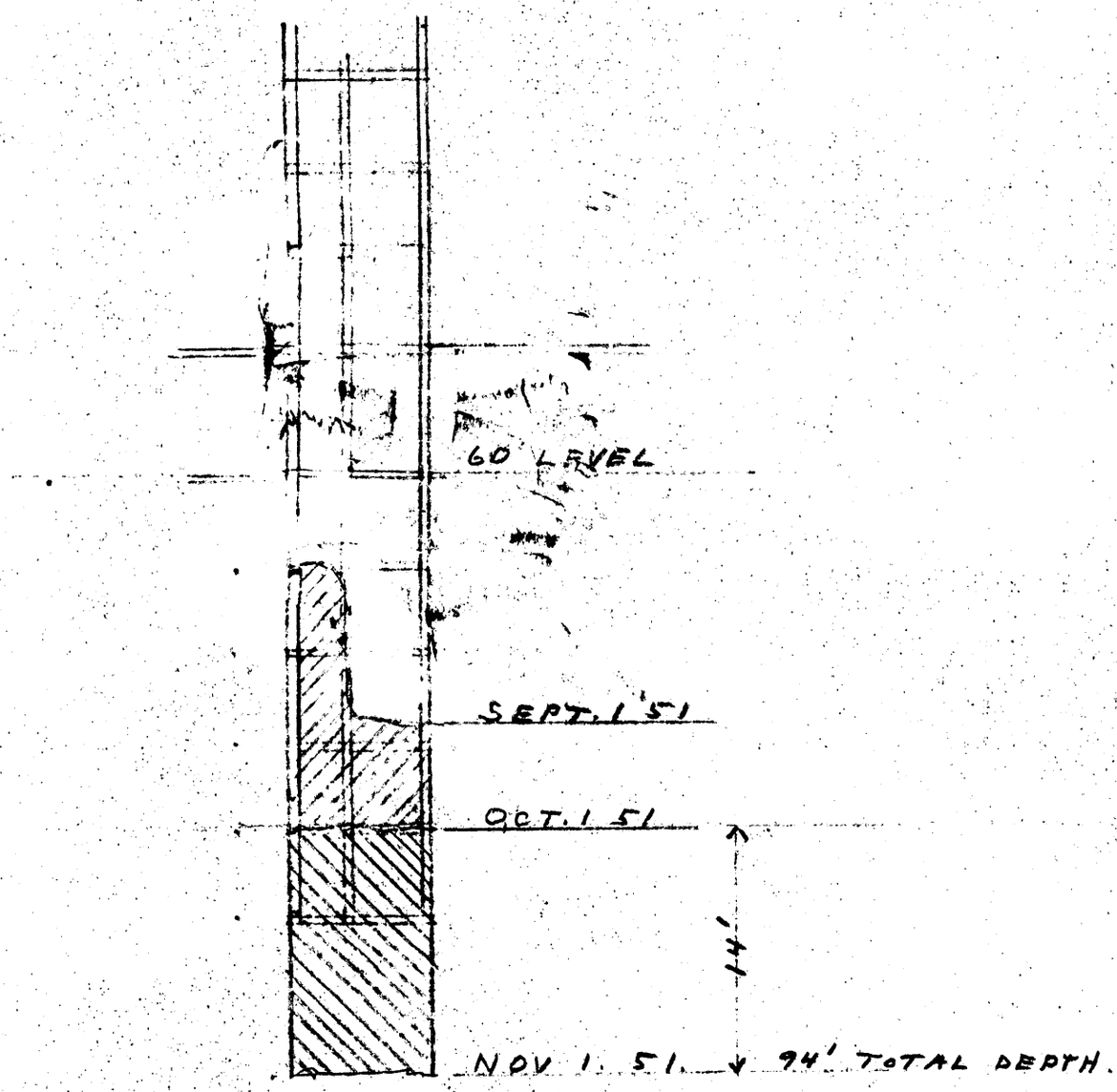
After the next round we expect to be able to cut the station for the 100 foot level. At this point we plan the installation of a heavy set of bearing timbers to give security to the entire shaft timbering.

A sketch of the developements as of the 1st of November accompanies this report.

Cherokee Mines.

T. H. Sackett, Pres & Mgr.

DEVELOPMENTS THRU OCT '51 BLACK HAWK #1.



CHEROKEE MINES.
T H Sackett mgr.

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF October 1951

Name of operator Cherokee Mines
Project No. DMA 1072
Total contract amount $15,000.00
Government participation percent 90%

Type	Number	Man-Shifts	Rate	Total
Miners	4	92	$ 11.56	$ 1063.80
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters	1			225.00
Manager				
Superintendent				
Engineers				
Geologists	1			50.00
Bookkeeper				
Foreman				
Clerks				
Stenographers				
Other				
Total				1338.80

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

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Approved by /s/ W.M. Traver, Jr.
Remarks

16—64068-1

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

Name of operator Cherokee Mines
Project No. DMA 1072
Total contract amount $15,000.00
Government participation, percent 90%

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	1386.10	186.60	302.66		1875.36	1 ft.	14	7	21	76
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1386.10	186.60	302.66		1875.36		14	7	21	76

[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.

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Entered by
Approved by /s/ W.M. Traver, Jr.
Remarks

MF-104
(April 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

C
O
P
Y

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.

Cherokee Mines
(Name of Company)

By /s/ Wilford W. Cram
(Signature of Authorized Official)

October 9, 1951
(Date)

Secretary
(Title)

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

16—64068-2

MONTHLY SUMMARY COST STATEMENT

Name of operator Cherokee Mines
Project No. DMA 1702
Total contract amount $15,000
Government participation percent 90%

Distribution of Expenditures for Month of September, 1951

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals to Date
Wages and salaries	1205.68	none	1205.68	1205.68		1205.68
Equipment purchase [1]	208.82	"	208.82	208.82		208.82
Equipment rental [2]	90.00	"	90.00	None		None
Buildings						
Explosives	72.99	"	72.99	72.99		72.99
Repair parts						
Other supplies	289.49		289.49	289.49		289.49
Power Gasoline	36.00		36.00	36.00		36.00
Transportation						
Withholding taxes	39.50		39.50	39.50		39.50
Compensation insurance	29.09		29.09	29.09		29.09
Other insurance						
Contract work						
Other (specify) FSA (SS)	29.44		29.44	29.44		29.44
Total	2001.01		2001.01	1911.01		1911.01
Totals previously reported	none		none			
Totals to date	2001.01		2001.01			

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Checked by
Entered by
Approved by /s/ W.D. McMillan
Amount approved for payment 1991.01
Remarks Less. $10.00 Equipment renatl

PTA

[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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

October 15, 1951

Memorandum

To: Chief, Mining Division, Region IV

From: W. D. McMillan, Mining Engineer

Subject: DMA Docket 1702X, Contract I-DMA-E61, Cherokee Uranium Mines, Larimer County, Colorado, Operator's Monthly Progress Report, Period - September, 1951

The subject mine was inspected by me on October 12, 1951, in company with Mr. T. H. Sackett, President and Manager of the company.

The mine is easily accessible by automobile from Fort Collins by the following road log:

0.0 - Third stoplight in Fort Collins, going north on U. S. Highway 287.

23.9 - Highway 287 north - Junction Cherokee Park Road - turn left.

38.2 - Junction Cherokee Park and Red Feather Lakes Roads - turn left.

43.5 - Cherokee Mine.

Preliminary work at the mine completed by the company at their expense consisted of raising a shaft to the surface from the collar of the winze on the old 60 foot level, widening and grading the 60 foot level, and building a headframe and hoist house.

Work on the contract started September 10, 1951. The old winze from the 60 foot level was single compartment to 14 feet, so it was necessary to enlarge this to double compartment. Advance below this on October 12 was 5 feet instead of the 7 feet reported by Mr. Sackett on October 1, making the present bottom 19 feet below the 60 foot level.

As the collar of the new shaft is 5 feet higher than the old shaft, the present depth of the new shaft is 84 feet below the collar.

It is planned to continue this shaft to the 100 foot level, cut a station, and then continue on to the 150 foot level with a 10 foot sump. Work on the 100 and 150 foot levels is to be crosscuts to the pitchblende vein and a few rounds on the vein.

Four miners are employed who are local men with experience in using mining machinery on highway work. Through the close supervision of Mr. Sackett they are doing a good job of shaft-sinking and timbering, although probably somewhat slow.

Work in the shaft was started with a single drum air hoist with clutch. The State Mine Inspector ordered them to install a hoist with positive drive, which has been done. Rental of this hoist with option to purchase is $93.30 per month, as compared with $80.00 per month in the exploration project contract. An amendment will be required before this payment can be made. No provision was made in the contract for ventilation in the shaft sinking. Ventilation was discussed with Mr. Sackett and he will submit a request to include ventilation equipment and also an amendment for the present hoist.

The item of $208.82 under equipment purchase includes the purchase of the pump at a cost of $187.00 as approved in the amendment dated September 24, 1951, plus accessories and taxes as listed below:

Suction hose	$8.95
Nipples	2.78
Strainer	3.80
Black bushing	.21
Colorado state tax	4.05
City tax	2.03
TOTAL	$21.82

These should have been included in "Other Supplies".

The other supplies consisted of drill steel, drill bits, carbide, nails, blasting caps, carbide, etc. Invoices for these were inspected.

High grade uranium ore reportedly averaging 2.49 percent U_3O_8 in the form of pitchblende is being recovered in the shaft and from the work done on the 60 foot level. Approximately 6 tons of sorted ore is stored at the mine and metallurgical tests on a 500 lb. sample are being made by a Denver firm under the auspices of the Atomic Energy Commission.

The progress report is approved for payment in the amount of $1,791.91, which is 90 percent of $1,991.01.

W. D. McMillan

W. D. McMillan

Report of Progress
on
Exploration Project Contract
Docket 1702 IDM-E61

The completion of our working shaft to the surface just before first of September enabled us to start preparatory work on the project and on the 10th of September we started actually sinking the shaft.

It was first necessary to enlarge the winze which had been previously sunk to provide for a ladderway and hoistway to conform with the state law. This was done and when it was completed we timbered the shaft with two sets of timber.

There is a tendency for the West end of the Shaft to cave some and it appears that we will find it necessary to keep the timbering fairly close to the bottom. Enough water seeps into the winze to require us to pump quite steadily. There is not enough water to seriously impede the work.

The main vein bearing the pitchblende is still tending to remain vertical and is located along the Northerly wall of the shaft. Each round produces several hundred pounds of good grade ore. There is also a considerable amount of sphalerite and an increasing copper content appearing in the bottom of the shaft as we go downward.

The Uranium ore which was exposed in the southeasterly corner of the winze at the 14 foot level seems to have dipped out of the shaft to the south and is not exposed at the 20 foot level.

The Uranium in the main vein on the Northerly wall of the shaft seems to have become more solid and shows very strong effects on the Geiger counter.

The bottom of the shaft on the 1st of October was 81 feet below the collar of the old shaft and about 86 feet below the collar of the new shaft.

We have built a shed over the hoist and are in ~~sahpe~~ shape to carry on work in stormy weather.

We have purchased two loads of timber in anticipation of weather conditions later which might prevent our securing it later. This should be enough timber to complete the exploratory program.

Now that we have our instalations about completed we should be able to make good progress in the future. There is a tendency for the muck to cement itself when it stands in water and this makes for rather slow mucking.

The accompanying sketch depicts the work done by us during September as far as new work is concerned.

Cherokee Mines
T.H. Sackett
T. H. Sackett, Pres. & Mgr.

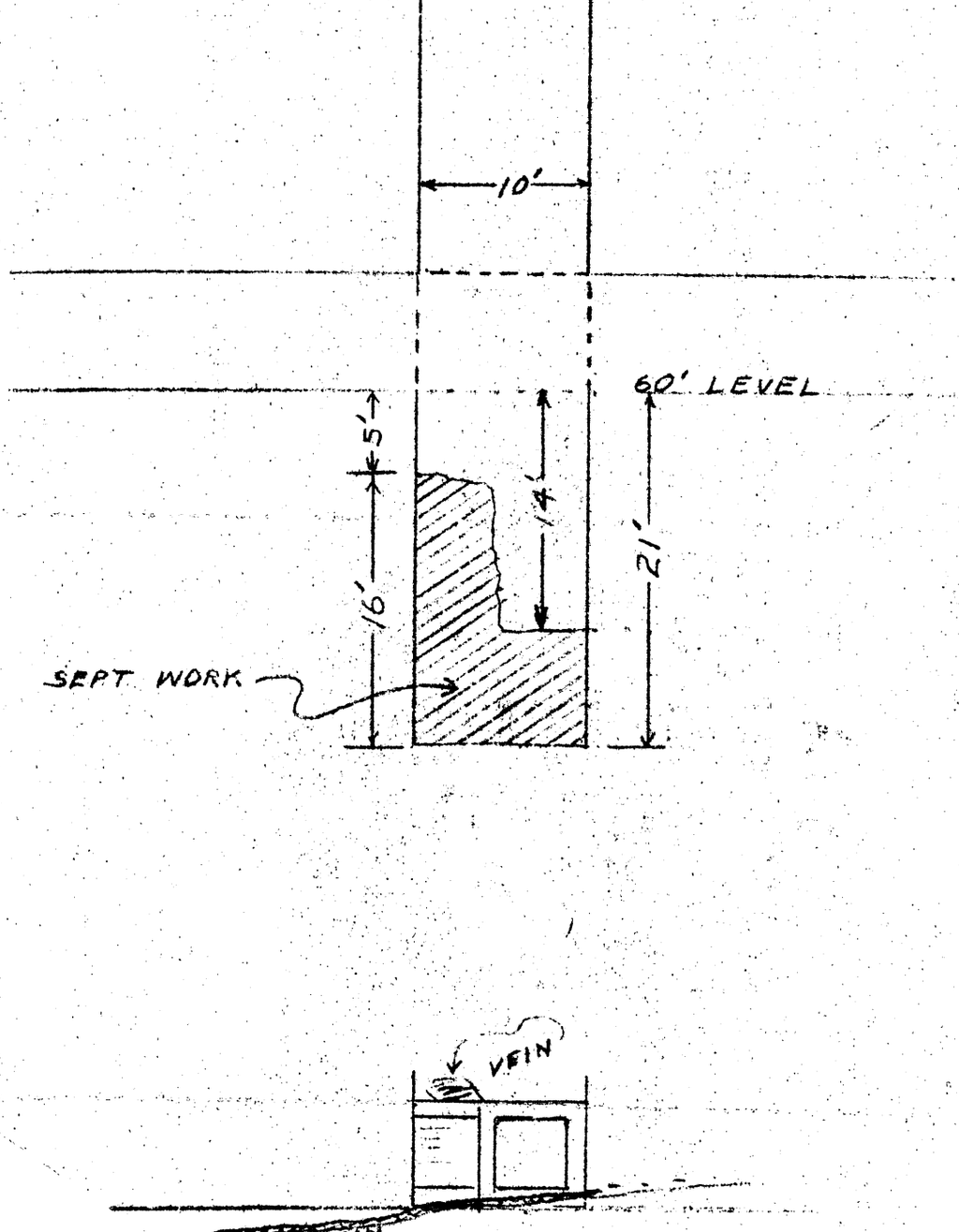
Report of Progress

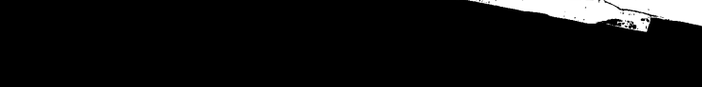
[illegible]

[illegible]

[illegible]

SKETCH OF SEPTEMBER PROGRESS
AT
BLACK HAWK MINE





DRIFT ON 60' LEVEL

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF September, 1951

Name of operator Cherokee Mines
Project No. DMA ~~1072~~ 1702
Total contract amount $15,000.
Government participation percent 90

Type	Number	Man-Shifts	Rate	Total
Miners	4	84	$ 11.73	$ 984.90
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1			225.00
Engineers				
Geologists				
Bookkeeper	1			50.00
Foreman				
Clerks				
Stenographers				
Other				
Total	6	84		1259.90

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

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Entered by
Approved by WDMcMillan /s/
Remarks

16—64068-1

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

Name of operator Cherokee Mines
Project No. DMA ~~1072~~ 1702
Total contract amount $15,000
Government participation, percent 90%

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	873.49	298.82	398.48			1 ft.	7	none	7	76
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	430.22				430.22					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]	
Totals	1303.71	298.82	398.48				7	none	7	

[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.

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Checked by
Entered by
Approved by /s/ W.D. McMillan
Remarks
less $10.00 Equipment Rental