DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF CERTIFIED PROJECT

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

To: Statistics Branch (Code 210)

From: Division of **Iron and Ferro-Alloys**

Report Period
1.1-6.30.57

DMEA No.	Operator	Contract No.
864	**McRae Tungsten Corporation**	**Idm-E133**

ORE ESTIMATES

	Tons	Analysis
DMEA	5,136 *	0.68 % WO_3 *
Operator to date	**None**	
Total	5,136	0.68 " "
Production to date	4,819 **	0.68 " " **
Ore in ground	317 **	0.68 " " **

INVESTMENT

Type	Size	Feet	Cost
Shafts			
Winzes			
Drifts and Crosscuts	5' x 7'	350	$10,500.
Raises	5' x 6'	250	5,000.
Drilling	Type		
Rehabilitation	Description		

FACILITIES

Mine Plant	**Equipment and Buildings**	25,000.
Mill	**Entire Mill, 50 tons/day capacity**	60,000.
Roads	**2½ miles access roads**	2,700.

REMARKS

* **"Official" reserve.**

** **Reported production tonnage adjusted to "Official" grade, using 82% mill recovery as reported by Field Team examiner.**

"Mining and milling operations stopped March 18, 1957 to await more favorable tungsten prices so that operations may be profitable."

Contact Co. re W. Shoshoni

Prepared by Stephen P. Holt Date 2.27.58
(rev.3.28.58)

31398

DMEA - 864

6.3 tons 68.37% WO_3 stockpiled at Boise, Idaho, and 11 tons 15% WO_3 stockpiled at Big Creek, Idaho, per last info in files.

Talbert
8/10/62

8/13/62 - Royalty period expired 9/5/61
We've been holding release letters
Grace

STATES
F THE INTERIOR
ORATION ADMINISTRATION
ON 25, D. C.

8/10 ~~800~~ ~~100~~ ~~110~~ 8/13 ~~Received~~ ~~500~~ 8/13 ~~Hoet~~ S.PH ~~500~~ 220

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT
AND PROJECT UNDER ROYALTY AGREEMENT

1. Since **April 30, 1960**, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since **April 30, 1960**, has there been any production from the land subject to the contract? Yes ☐ No ☒

   A. If so and it was shipped, give quantity, value, and 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		

3. Since , has any production been transported through workings (see of contract)? Yes ☐ No ☒

   A. If so, state quantity, value, and disposition of material.

Disposition of Material	Quantity	Value

Submitted by:

Name Robert J. McRae Title Trustee

Address 1704 Gourley St Date 8/6/62
Boise, Idaho

See memorandum to R-I w/letter to Opr., to be approved, dated and mailed mailed on 8/21/62
See also Mr. Robert J. McRae's letter Sept. 13, 1962

4511

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

JUL 23 1962

Re: DMEA-864 (Tungsten)
McRae Tungsten Corporation
Snowbird Group of Claims
Valley County, Idaho
Contract Idm-E133

McRae Tungsten Corporation
c/o Mr. Robert McRae
1704 Gourley Street
Boise, Idaho

After the completion of the approved exploration work under the contract identified above, we asked to be informed about changes in the status of the property and production from it during the period of royalty obligation.

To assist you to furnish this information and to assure the accuracy of our records, please answer the questions on the back of this letter and return two copies to this office with copies of any pertinent documents.

Sincerely yours,

U. R. Griswold

U. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 27 1958

DATE	INITIALS	CODE
1/28	C	220
1/28	Com	100

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: July 1 to December 31, 1957

Date of report: December 26, 1957

Operator: McRae Tungsten Corporation
1704 Gourley Street
Boise, Idaho

Mine name: Snowbird

County and State: Valley County, Idaho

Docket number and commodity: DMEA-864 (tungsten)

Contract number: Idm-E133

Property inactive. No change in royalty status since report of January 1 to June 30, 1957.

Signed: John D. Bardill (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (2)
USBM (AD)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1957 Date of exam: June 6, 1957

Operator: McRae Tungsten Corp., 1704 Gourley St., Boise, Idaho

Mine name: Snowbird

County and State: Valley County, Idaho

Docket number and commodity: DMEA-864 (tungsten)

Contract number: Idm-E133

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 11 1957

DATE	INITIALS	CODE
7/11	P	220
1v	COML	100

Date of contract: September 5, 1951

Date of certification: February 5, 1953

Expiration date of royalty payments: September 5, 1961

Total amount of contract: $20,351.00

Total expenditures under contract: 15,710.96

Amount of Government participation at 75%: 11,783.22

Royalty payments this period: $2,341.18

Previous royalty payments: 2,645.76

Total royalty payments to date: 4,986.94

Percent Government participation repaid: 42.3%

Royalty due on production: The following concentrates are stored at Boise and the mine awaiting a satisfactory price for selling.

6.3 tons high-grade concentrate assaying 68.37% WO_3 containing 430.8 units, based on $55.00/unit gross will have net value of about $51.35/unit or total of $22,151.58.

Royalty due on production (continued):

15.0 tons low-grade concentrate assaying 13.8% WO_3 containing 228 units, based on $55.00/unit gross, will have net value of about $30.00/unit or total value of about $6,840.00. Three tons stored at Boise; balance at mine.

Royalty remarks: Royalty audit made by C. A. Turner, DMEA auditor, on December 12, 1956.

	Tons	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ___ Survey___ Joint X	3,500 units or 5,136 tons	0.68% WO_3
Revised estimate of DMEA reserves (Field Team) Mines ____ Survey ___ Joint ___	none	
Increase of reserves by work performed subsequent to DMEA project work	none	

Production of DMEA ore	(this period)	808 tons or 505 units recovered
	(previous)	2,422 " "2182 "
	(to date)	3,230 " " 2687 "
Production of Operator's ore found subsequent to DMEA work	(this period)	none
	(previous)	none
	(to date)	none

Percent of revised reserves mined: 77%

Production remarks: Mining and milling operations stopped March 18, 1957 to await more favorable tungsten prices so that operations may be profitable.

INVESTMENT DATA: Same as reported for July 1 to December 31, 1956.

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

Signed: J. D. Bardill (Engineer)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

RECEIVED JAN 22 1957 DMEA

Reporting period: July 1 to December 31, 1956 Date of exam: Dec. 12, 1956

Operator: McRae Tungsten Corp., 1704 Gourley St., Boise, Idaho

Mine name: Snowbird

County and State: Valley County, Idaho

Docket number and commodity: DMEA-864 (tungsten)

Contract number: Idm-E133

Date of contract: September 5, 1951

Date of certification: February 5, 1953

Expiration date of royalty payments: September 5, 1961

Total amount of contract: $20,351.00

Total expenditures under contract: 15,710.96

Amount of Government participation at 75%: 11,783.22

Royalty payments this period: none

Previous royalty payments: $2,645.76

Total royalty payments to date: 2,645.76

Percent Government participation repaid: 22.5%

Royalty due on production to date: Shipments made but no settlement to date:

Salt Lake Tungsten Corp.	approx.	$ 4,681.82 @ 5%	$ 234.09	Rec'd 1/7/57
Lot No. 5, GSA	"	32,280.85 @ 5%	1,614.04	" 1/10/57
Lot No. 6, GSA	"	9,913.98 @ 5%	495.70	

Royalty remarks: Royalty audit made by C. A. Turner on Dec. 12, 1956.

ACTION ON INTE[illegible] 86 f
OR FINAL FIELD TEAM [illegible]EPORT
Date 1.22

Referred to:

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

Note comments in report regarding:

1. Investment data
2. Royalty due -
3. follow up.
4.

and take appropriate action.

- - - - - - - - - - -

Action taken by Division:

Robert E. Adams

Semi-annual report
Contract No. Idm-E133

	Tons	Analysis
Original estimate of DMEA reserves (from Field Team final report) Mines ___ Survey ___ Joint X	3,500 units or 5,136 tons	0.68% WO_3
Revised estimate of DMEA reserves (Field Team) Mines ___ Survey ___ Joint ___	none	
Increase of reserves by work performed subsequent to DMEA project work	none	
Production of DMEA ore (this period)	1,500	1,236 units
(previous)	922	946 "
(to date)	2,422	2,182 "
Not including tailings		
Production of Operator's ore found subsequent to DMEA work		
(this period)	none	
(previous)	none	
(to date)	none	
Percent of revised reserves mined:	62%	

Production remarks: Mill operating one shift per day continuously. At present rate of mining and milling Operator estimates ore body will be depleted unless more ore is found.

Semi-annual report
Contract No. Idm-E133

INVESTMENT DATA

Drifts and crosscuts

Size	Feet	Cost
5'x7'	350	$10,500

Raises

Size	Feet	Cost
5'x6'	250	$ 5,000

Facilities

Mine Plant	
Equipment and buildings	$25,000
Mill	
Entire mill	$60,000
Roads	
$2\frac{1}{2}$ miles	$ 2,700

Signed: John D. Bardill (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

1201 N. Division St.
Spokane 2, Washington
October 8, 1956

RECEIVED OCT 23 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John D. Bardill, Bureau of Mines

Subject: Royalty inspection report, Docket No. DMEA-864 (tungsten), McRae Tungsten Corp., Snowbird Mine, Valley County, Idaho, Contract No. Idm-E133

An inspection was made August 30, 1956 of the concentrating facilities and operations for the Snowbird mine, accompanied by Robert J. McRae, president of the corporation.

The gravity-flotation mill started operating about June 1st of this year on a one shift per day basis with a capacity of 1.8 to 2 tons per hour. Approximately 1,000 tons had been milled so far this year. Roughly, 800 tons of low-grade development rock averaging about 0.4 percent WO_3 had been milled from the stockpile. At the time, ore was being milled from underground and assayed about 1 percent WO_3.

About 9 tons of high-grade 61 percent WO_3 concentrate had been recovered and bagged ready for shipment, and roughly 13 tons of 11 percent WO_3 low-grade concentrate were bagged and stored. McRae estimated that by September the total production would reach 10 tons of high-grade and 14 tons of low-grade concentrates.

The tungsten mineral content of the Snowbird mine ore averages about 35 percent scheelite and 65 percent hubnerite, while the Red Bluff ore is all hubnerite. Snowbird ore is crushed, ground and tabled. High-grade table concentrates are batch floated to remove sulphides and then separated into high-grade scheelite and hubnerite concentrates on a magnetic separator. Table tailings are floated to recover a low-grade concentrate containing about 11-13 percent WO_3. Over-all mill recovery is about 82 percent of which 65 percent is recovered by tabling and 17 percent by flotation.

About 2,000 tons of tailings containing an estimated 0.20-0.22 percent WO_3 are impounded near the mill. Because of various adverse conditions it is questionable whether it ever will be economically feasible to re-treat this material.

Procedure for concentrating Red Bluff mine ore will be reversed when it is milled. The ore will be crushed, ground and floated to remove the sulphides, then the flotation tailings will be tabled to recover a tungsten concentrate.

High-grade concentrates will be sold to GSA and low-grade concentrates to Minerals Engineering Corporation at Salt Lake City, Utah. McRae expected to ship the accumulated concentrates during September.

The Operator estimates blocked out reserves underground in the Snowbird mine at 4,000 tons and an additional 1,500 tons in surface outcrops. Grade is estimated at 1 percent WO_3.

There has not been any production from the Red Bluff mine.

John D. Bardill

John D. Bardill

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
Docket
Engineer

133

RECEIVED
JUL 1 2 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Reporting period: January 1 to June 30, 1956 Date of exam: June 6, 1956

Operator: McRae Tungsten Corp., 1704 Gourley St., Boise, Idaho

Mine name: Snowbird

County and State: Valley County, Idaho

Docket number and commodity: DMEA-864 (tungsten)

Contract number: Idm-E133

Date of contract: September 5, 1951

Date of certification: February 5, 1953

Expiration date of royalty payments: September 5, 1961

Total amount of contract: $20,351.00

Total expenditures under contract: $15,710.96

Amount of Government participation at 75%: $11,783.22

Royalty payments this period: none

Previous royalty payments: $2,645.76

Total royalty payments to date: $2,645.76

Percent Government participation repaid: 22.5%

Royalty due on production to date: none

Royalty remarks: Royalty audit by C. E. Fisher, dated June 17, 1955

Original estimate of reserves (from final Engr.-Geol. report):	Indicated: 3,500 units WO_3 in 5,136 tons
Increase (or decrease) of reserves by work performed subsequent to original and last Field Team estimates:	Decreased by 946 units mined
Revised estimate of reserves:	2,550 units WO_3
Production this period:	none
Amount of previous production (since date of contract):	946.782 units WO_3
Total DMEA production to date:	946.782 units WO_3
Percent of revised reserves mined:	none

Production remarks:

Mr. McRae advised me by telephone at Boise on June 6 that the mine was practically inaccessible at the time. He stated that the remodeled mill had started operating on a one shift per day basis about May 20, milling from 12 to 15 tons. Mill heads are about 0.9% WO_3 and tailings about 0.2% WO_3.

Other remarks:

McRae stated that approximately $180,000 had been spent in addition to the DMEA funds for 2,000 feet of drilling, 1,350 feet of underground work, construction of a camp, a 50-ton mill, and 7 miles of access road.

Signed: John D. Bardill (Engineer)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JAN 9 1956

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period: July 1, 1955 to December 31, 1955

Docket No.: DMEA-864
Contract No.: Idm-E133

Operator: McRae Tungsten Corporation, 1704 Gourley St., Boise, Idaho

Commodity: Tungsten

Mine name: Snowbird

County: Valley
State: Idaho

Date of contract: September 5, 1951

Date of certification: February 5, 1953

Expiration date of royalty payments: September 5, 1961

Date of examination for this report: December 16, 1955

Total amount of contract: $20,351.00

Total expenditures under contract: $15,710.96

Amount of Government participation at 75%: $11,783.22

Royalty payments this period: $153.24 (carry-over from 1954)

Previous royalty payments: $2492.52

Total royalty payments to date: $2645.76

% Loan repayment completed: 22.5%

RECEIVED
JAN 9 1956

Amount of royalty due: none

Royalty remarks: Royalty audit by C. E. Fisher, dated June 17, 1955

Original estimate of reserves (from final Engr.-Geol. report): 3,500 units WO_3

Increase (or decrease) of reserves by work performed subsequent to expiration or termination of contract: ?

Revised estimate of reserves: 2,550 units WO_3

Production this period (ore or concentrates): none (54.542 units WO_3 carried over from 1954)

Amount of previous production (since date of contract): 892.240 units WO_3

Total DMEA production to date: 946.782 units WO_3

% of Revised reserves mined: None during 1955

Production remarks:

No production. Mill was shut down in 1955 for remodeling and production will not be resumed until May or June 1956.

Other remarks:

The Operator constructed a gravity mill to treat ores from this property and also the Red Bluff property (Contract Idm-E406).

Signed: John D. Bardill (Engr.)

Distribution:
DMEA (4)
USGS (2)
USBM (AD)
USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
1201 N. Division St.
Spokane 2, Washington
October 27, 1955

RECEIVED
NOV - 2 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: John D. Bardill, Bureau of Mines

Subject: Royalty inspection report, Docket No. DMA-864X (tungsten), McRae Tungsten Corporation, Snowbird Group, Valley County, Idaho, Contract No. Idm-E133 (completed and certified)

The status of the mining and milling operations at this property was discussed with Mr. Oliver A. McGinley, mine superintendent, October 6, 1955, at Big Creek. Ore and/or concentrate production from this mine is subject to DMEA royalty payments.

Mr. McGinley stated that no mining or milling was done during the summer because their efforts were being devoted to increasing the size of and winterizing the camp and facilities. The mill was also being enlarged from a capacity of 15 tons per shift to 50 tons per shift.

Plans were to start mining late in October and to mine through the winter with three miners. Anticipated ore production is about 3,400 tons, which will be stored in stopes. Roughly, 600 tons of waste will result from the operation. Ore grade is expected to average about 0.7 percent WO_3, of which about 30 percent will be scheelite and 70 percent hubnerite.

3400
.7
2380.0

The mill flowsheet was also being changed to minimize the amount of middlings which previously were being upgraded at Kellogg. At the time, the new flowsheet had not been definitely decided upon, so that it seems unlikely that any ore mined during the winter will be milled until the spring or summer of 1956.

John D. Bardill

John D. Bardill

Orig. & 3 cys - Wash.
USGS (2)
DMEA
AD
JDB/he

864
Inspection

[illegible] ON INITIAL FIELD [illegible] REPORT

Date 11-8

Referred to:

1. ~~Mr. Wittendorf~~
2. ~~Mr. Johnson~~
3. ~~Mr. Cherberg~~
4. ~~Docket Control Mails and Files~~
5. ~~Other Interested Div.~~ Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. What do we show as probable reserves?
2. Field team estimate
3. 5,136 @ 0.68 2 WO 3,02
4. 3,492 Units
   Kenny Jones 652
   & Rumanda WO 3

and take appropriate action.

Action taken by Division: 2,270 Units

ROBERT E. [illegible]

donot detached

Initials

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUL - 5 1955

SEMI-ANNUAL REPORT OF CERTIFIED PROJECT

Period:	January 1, 1955 to June 30, 1955		
Docket No.	DMEA 864 (tungsten)	Contract No. Idm-E133	
Operator:	McRae Tungsten Corporation Stibnite, Idaho		
Name of mine:	Snowbird mine		
County:	Valley	State: Montana	
Date certified:	February 5, 1953	Date of last inspection:	June 14, 1955
Contract amount:	$20,351.00	Inspection engineer: DMEA Auditor:	J. D. Bardill Clarence Fisher
Amount spent:	$15,710.96	Govt. participation:	$11,783.22
		Amount repaid to date:	$ 2,492.52
Royalty audit dated:	June 17, 1955		
Reserves:	Unknown		

Remarks: The property was shut down in December 1954 for the winter. Operations will be resumed sometime in late June 1955.

The Operator called at the Spokane office on June 14, 1955 when a royalty audit was made. One shipment was made to GSA in December for which a settlement was made. Two small lots of low grade concentrates have been shipped to Mineral Recovery and Engineering Co. at Wallace, Idaho, for which settlements have not been made to date.

Semi-annual report - Contract Idm-E133

Production Summary:

Date	Lot	Dry Wt. Pounds	Total Contained Units	Unit Price	Net Settlement	Govt. Royalty (received)
To Oct. 22, 1954	1-GSA) 2-GSA) 61) 88)	29.2200	415.432	$63.00	$21,494.16	$1,073.98
Dec. 14, 1954	3	7.1050	478.590	63.00	28,370.82	1,418.54
Totals to date		36.3250	894.022		$49,864.98	$2,492.52

Distribution:
DMEA (4)
USGS (2)
USBM (2)
USBM (AD)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
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FEB 3 1955

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. DMEA 864 (tungsten) Contract Idm-E133

Operator: McRae Tungsten Corporation
Stibnite, Idaho

Name of mine: Snowbird mine

County: Valley State: Idaho

Date certified: February 5, 1953 Date of last inspection: July 15, 1954
See "Remarks".
Inspection engineer: W. S. Anderson

Contract amount: $20,351.00

Amount spent: $15,710.96 Government participation: $11,783.22

Amount repaid to date: $ 1,058.61

Reserves: 735 tons 1.18% WO_3
1095 " .71% WO_3
3306 " .558% WO_3

Remarks: A check was made on this property in conjuction with a routine inspection trip to the Red Bluff property of McRae Tungsten Corp. The Red Bluff inspection trip is covered in Anderson's memorandum dated July 30, 1954.

Mr. McRae has now suspended milling operations for the winter months and will resume mining and milling as soon as weather permits in the spring.

The Operator has shipped two lots of tungsten concentrates to the General Services Administration, New Haven, Indiana, and three lots to the Salt Lake Tungsten Co., Salt Lake City, Utah.

Semi-annual report - Contract Idm-E133

Production Summary:

Date	Lot	Dry Wt. Pounds	Total Contained Units	Unit Price	Net Settlement	Govt. Royalty (received)
Oct. 18, 1954	1-GSA	2,257	74.075	56.16	$4,160.05)	$630.33
	2-GSA	4,449	141.10	61.28	8,646.61)	
Oct. 7, 1954	61-SLT*	20,304	101.825	63.00	4,398.84	219.94
22, 1954	88-SLT*	31,429	96.452	63.00	4,166.73	208.34
Totals to date		58,439	286,462		$21,372.23	$1,058.61

*61-SLT is shipper's lot #1
88-SLT is shipper's lot #2 and #3

Distribution:
DMEA, Wash. (4)
USGS (2)
USBM (2)
Certifying Officer

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

1201 N. Division St.
Spokane 2, Washington
September 23, 19~~35~~ 53

MEMORANDUM

To: DMEA Field Team, Region II

From: John A. Bowsher, Mining Engineer, Bureau of Mines

Subject: Interim report, Docket No. DMEA 864 (tungsten)
McRae Tungsten Corporation (Snow Bird Property)
Valley County, Idaho
Contract No. Idm-E133 (completed and certified)

The subject contract was completed on September 30, 1952; the final report was dated February 3, 1953; the certification of discovery was issued on February 5, 1953.

This visit to the project site was made Thursday, September 3, 1953, in the company of Robert J. McRae, President of the Corporation.

The compressor and the compressor-building, transferred to Contract Idm-E406, Red Bluff, are still at the site of Contract Idm-E133.

No production to date from surface or underground. The Operator is now working on the last 1500 feet of road from the millsite camp to the property. The mill is expected to begin operation by the first of January 1954, and the concentrates will be stockpiled during the inclement weather for marketing during the summer of 1954.

John A Bowsher

John A. Bowsher

Orig. & 3 cys - Wash.
USGS (2)
DMEA
M/D
AD
JAB/he

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 100-R003.3.
Approval expires 6-30-53.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

OPERATOR'S MONTHLY REPORT AND VOUCHER

12/12/52

Month of SEPT, 1952 Docket No. DMEA 864 Contract No. 133
Operator's Name McCAE TUNGSTEN CORP Minerals TUNGSTEN
Address STIBNITE IDAHO
Contract Amount, $ 20,351.00 Government Participation: 75 % Amount, $ 15,263.25

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		1453.00	1453.00		1810.10	1810.10
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	33.24	*6188.24	6221.48	33.75	6188.24	6221.99
Supervision	90.00	840.00	930.00	60.00	840.00	900.00
Technical Services	124.17	250.00	374.17	150.00	250.00	400.00
(3) Operating Mat'ls. and Supplies:						
Timber		11.71	11.71		11.71	11.71
Explosives		590.61	590.61		590.61	590.61
Pipe						
Track						
OTHER		1778.62	1778.62		1799.99	1,799.99
(4) Operating Equipment:						
Rental		650.00	650.00		650.00	650.00
Purchase		3254.79	3254.79	2,360.00	3,254.79	5,614.79
Depreciation						
(5) Initial Rehabilitation and Repairs		1312.21	1312.21	200.00	1,312.21	1,112.21
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		128.87	128.87		128.87	128.87
Sampling and Analysis						
Payroll Taxes	12.33	*346.71	359.04	10.97	346.59	357.56
Liability Insurance	9.58	*369.64	379.22	8.53	369.64	378.17
TRANSPORTATION		169.75	169.75		169.75	169.75
TELEPHONE		85.47	85.47		85.91	85.91
(8) Contingencies (specify):						
		584.77	584.77		200.00	200.00
					6.30	6.30
TOTALS	269.32	18,014.39	18,283.71	2,292.75	18,027.71	15,720.96

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

Date Nov. 10 *Payee McCoe Tungsten Corp

Per Robert J. McCoe Title President

*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)

* SEE ANNEX ATTACHED

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

$

Signature (Authorized Certifying Officer)

Date 12/4/52 Vou. No.

(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. E133 in accordance with the terms of the contract.

Signature Horace J Reno Title Min Engr Date 11-25-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature Thomas E Howard Title Min Engr Date 12-3-52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GPO 83-38476

Form MF-104A
(April 1952)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of SEPT 1952 Docket No. DMEA 864 Contract No. 133
Operator's Name McRAE TUNGSTEN CORP Minerals TUNGSTEN
Address STIBNITE IDAHO

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	269.32	0	*7608.88	304	25.029	335	
Crosscutting								
Raising	FT		0	2999.92	120	25.00	120	
Shafts								
Winzes								
Drilling: Core	FT			1053.00				6.50/FT
MAVING ~~Churn~~ IN-OUT				400.00				
DRILL ~~Auger~~ COUTING'S				648.47				
Stripping								
Trenching				550.00				
Test Pits								
Roads and Trails				300.00				
TOTAL DISTRIBUTED COSTS		269.32		13,560.27				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3254.79				
Initial Rehabilitation and Repairs				1463.65				
New Buildings, Improvements, etc.								
TOTAL COSTS		269.32		18283.71				

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.

* SEE ANNEX ATTACHED

Date Nov 10 Operator McRae Tungsten Corp

Per Robert J McRae Title President

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

REMARKS:

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

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

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

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

GPO 83-38475

ANNEX TO SEPT. PROGRESS REPORT

* These items adjusted according to July totals.

TRANSFER OF EQUIPMENT

According to the Red Bluff DMEA 2654 contract the following items are to be transferred from DMEA 864 to project DMEA 2654.

ITEM	TRANSFER PRICE
(A) 1 - 14 x 16 celotex lined house	$200.00
(B) 1 - Ingersoll K-105 Compressor #40G-31445	$2000.00
(C) 1 - Jackhammer #673946	$360.00
(D) 1 - Jack Leg #4764	
	$2560.00

Item A would be taken out of the INITIAL REHABILITATION AND REPAIRS.

Items B, C, and D would be taken out of the PURCHASED OPERATING EQUIPMENT.

As of this time this equipment will be considered as transferred to Project DMEA 2654.

McRae Tungsten Corp
Robert J. McRae Pres

FINAL PROGRESS REPORT FOR SEPTEMBER 1952

DMEA 364 CONTRACT No 133

There was no mining work done during the month. Mr. L. C. Clark finished mapping and doing the geology about September 15th. Considerable work was done to prepare the buildings and equipment for winter. During the month Mr. H. F. Reno visited the property and sampled the ore exposed in the two raises. L. C. Clark's survey and map were also checked.

Arrangements have been made to shovel off the buildings twice during the winter.

This report is accompanied by a final report on the Snowbird project together with the ore discoveries as shown in the raises and on the surface. Attached to the Operator's Monthly Report is a separate sheet which transfers the following items to the Red Bluff DMEA 2654 project.

	Transfer Price
1 - 14 x 16 house celotex lined	$200.00
1 - Ingersoll 105 Compressor	$2000.00
1 - Jackhammer and Jack Leg	$360.00
Total	$2560.00

All bills have been paid that were incurred under this project.

Robert J. McRae

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

Wash

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
NOV 21 1952 11/25/52

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of AUGUST, 1952 Docket No. DMEA 864 Contract No. 133
Operator's Name McRAE TUNGSTEN CORP. Minerals TUNGSTEN
Address STIBNITE IDAHO
Contract Amount, $ 20,351.00 Government Participation: 75 % Amount, $ 15,263.25

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	1453.00	0.00	1453.00	1810.10	—	1810.10
Bulldozing						
Crosscutting						
Drifting						
(2) Labor and Supervision:						
Labor	230.70	6118.79	6349.49	230.70	5957.54	6188.24
Supervision	90.00	750.00	840.00	90.00	750.00	840.00
Technical Services	250.00	0.00	250.00	250.00	—	250.00
(3) Operating Mat'ls. and Supplies:						
Timber	11.71			11.71	—	11.71
Explosives		590.61	590.61		590.61	590.61
Pipe						
Track						
OTHER	1.95	1776.67	1778.62	23.32	1776.67	1799.99
(4) Operating Equipment:						
Rental		650.00	650.00		650.00	650.00
Purchase		3254.79	3254.79		3254.79	3254.79
Depreciation						
(5) Initial Rehabilitation and Repairs		1312.21	1312.21		1312.21	1312.21
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	6.00	122.87	128.87	6.00	122.87	128.87
Sampling and Analysis						
Payroll Taxes	25.80	321.58	347.38	25.68	320.91	346.59
Liability Insurance	24.06	351.22	375.28	24.06	345.58	369.64
TRANSPORTATION		169.75	169.75		169.75	169.75
TELEPHONE	11.81	73.66	85.47	11.81	77.10	88.91
(8) Contingencies (specify):						
*LUMBER FOR DRILLING	21.37	206.30	227.67		206.30	206.30
ADDITIONAL DRILL COSTS	357.10	0.0	357.10			
*(SEE ANNEX ATTACHED)						
TOTALS	2483.50	15,698.45	18,181.95	2483.38	15,534.33	18,017.71

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

Date 10-12-52 *Payee McRae Tungsten Corp.

Per Robert J. McRae Title Pres.

*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:

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(See other side)

Look to see what was paid in August

(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. ..... in accordance with the terms of the contract.

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 21 1952

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of AUGUST 1952 Docket No. DMEA 864 Contract No. 133
Operator's Name McRAE TUNGSTEN CORP. Minerals TUNGSTEN
Address STIBNITE IDAHO

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	382.03	0	7507.12	304	24.70	335	
Crosscutting								
Raising	FT		0	2999.92	120	25.00	120	
Shafts								
Winzes								
Drilling: Core	FT	1053.00	162	1053.00	162	6	400	6.50/FT
MOVING ~~Churn~~ IN-OUT	$	400.00		400.00				
* DRILL CONTINGENCIES ~~Auger~~		648.47		648.47				
Stripping								
Trenching				550.00				
Test Pits								
Roads and Trails				300.00				
* SEE ANNEX ATTACHED								
TOTAL DISTRIBUTED COSTS		2483.50		13 458.51				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3254.79				
Initial Rehabilitation and Repairs				1468.65				
New Buildings, Improvements, etc.								
TOTAL COSTS		2483.50		18,181.95				

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

Date 10-12-52 Operator McRae Tungsten Corp.

Per Robert J. McRae Title Pres.

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

REMARKS:

(Instructions on reverse)

(For Government use only)

ANNEX

ADDITIONAL DIAMOND DRILL COSTS (SNOWBIRD)

Moving charges and cost of obtaining water over and above $6.50 per ft. cost / the $400.00 moving allowance (	(Contingencies)	$357.10
Lumber for D. Drill setup and core boxes	(Contingencies)	$21.37
Engineer (part time) $250.00 per month Payroll taxes Compensation $20.00	(Technical Services)	$270.00
		$648.47

MCRAE TUNGSTEN CORP.
BIG CREEK DIST.
VALLEY CO., IDAHO

LOG OF DRILL HOLE NO. #1

Bearing S35E
Inclination minus 45 degrees

Collar from Tunnel Portal
Bearing N55E
Hor. Dist. 90feet

Footage	Description	Core Sch.	Core Hub.	Sludge Sch.	Sludge Hub.	Core Size	% Rec.
0-5	Overburden	-	-	-	-	-	-
5-9	Aplite	none	none	none	none	BX	85
9-14	"	"	"	"	"	AX	25
14-19	"	"	"	"	"	"	20
19-23.5	Quartz	"	"	"	"	"	15
23.5-26.5	Dacite	"	"	"	"	"	35
26.5-29	Quartz	Minor	"	Trace	"	"	10
29-30	No core	-		-	"	"	0
30-33.5	Quartz to 30.5 then Dacite Aplite	None	None	"	"	"	40
33.5-37	Quartz to 34 then aplite	"	"	"	"	"	85
37-40	Aplite	"	"	"	"	"	15
40-45	Quartz to 44 then aplite.		Trace	"	Trace	"	50
45-49.5	Aplite	"	None	"	None	"	60
49.5-53	Aplite	"	"	"	"	"	10
53-58	Aplite	"	"	"	"	"	15
58-63	"	"	"	"	"	"	40
63-69	"	"	"	"	"	"	25
69-74	No core	"	"	"	"	"	0
74-77	" "	"	"	"	"	"	0
77-79.5	Dacite	"	"	"	"	"	5
79.5-83	"	"	"	"	"	"	40
83-86	"	"	"	"	"	"	30
86-90	"	"	"	"	"	"	95

End of hole at 90 ft.

PROGRESS NARRATIVE FOR AUGUST 1952

During the month Nichols and Thompson moved in and drilled two holes on the Snowbird. See attached drill plan. Hole No 1 was drilled from a point just outside the tunnel portal and directed under the center of the East Outcrop. Hole No 2 was drilled from the toe of the dump south eastward across the valley to catch the possible northward extension of the East Outcrop. No 1 hole was drilled 90 feet deep and intersected the dacite dike to the east. No 2 Hole was drilled 72 feet deep and it also intersected the east dacite dike.

Since neither hole cut any ore no further holes were drilled. No assays were taken as careful panning of the sludges and inspection of the core failed to show anything of interest. The cores showed considerable quartz in the approximate location of the extension but they were poorly mineralized. In general the ground was extremely broken and drilling was very slow. Core recovery averaged about 50%.

Just after starting hole No 1 the water supply dropped below the required amount and the pump and line had to be moved down the canyon 500 feet and a reservoir had to be constructed. More time was consumed moving from the unloading point than was anticipated as well as moving back up to the loading point. The drill had to be wenched and everything else moved by hand. Due to the small footage drilled these charges were not covered by the flat rate per foot. Mr. L. C. Clark took care of directing the drilling, logging the holes, and mapping.

PROGRESS NARRATIVE FOR AUGUST 1952 (CONT)

The drilling was disappointing. The only chance left to expand the East Outcrop would be a sheet extending southward between elevations 8025 and 7985 feet. This possibility will best be determined by mining the visible ore and following it southward if it continues.

During the month of August 96 hours of work were necessary to put the underground workings in shape. Two sets of timbers were put in locations apt to cave and additional side lagging was put in on the west side next to the dike for 60 feet where considerable sluffing was in progress. The snowshed and track was removed to allow for drilling No 1 hole. It was replaced after No 1 hole was drilled.

A complete and final report with estimated ore reserves is in the process of preparation. This report will be submitted along with the final expenses insurred during the first 15 days of September.

Robert J. McRae

10-12-52

MCRAE TUNGSTEN CORP.
BIG CREEK DIST.
VALLEY CO., IDAHO

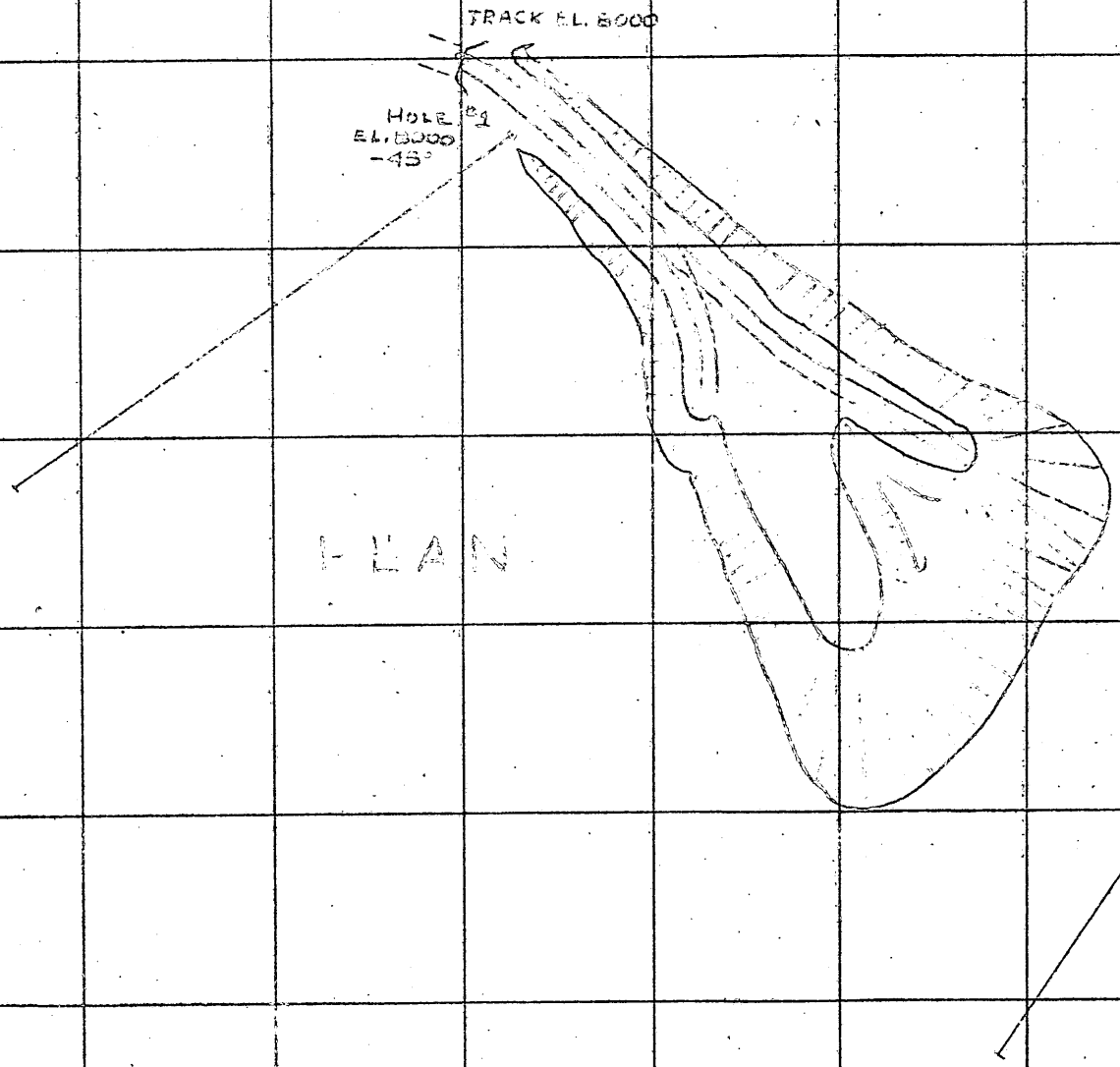
LOG OF DRILL HOLE NO.#2

Bearing S55E
Inclination Minus 45 degrees

Collar from Tunnel Portal
Bearing N36E
Hor. Dist. 106 feet

Footage	Description	Core Sch.	Core Hub.	Sludge Sch.	Sludge Hub.	Core Size	%Rec.
0-4	Overburden	-	-	-	-	-	-
4-9	Granitic with quartz veinlets to 7 then dacite	none	none	none	none	NX	30
9-14	Altered granite	"	"	"	"	BX	20
14-17	" "	"	"	"	"	"	18
17-20	" "	"	"	"	"	AX	15
20-24	" "	"	"	"	"	"	7
24-29	No core	-	-	-	-	-	0
29-33.5	Quartz pebbles recovered considerable dacite in sludge	none	none	?	"	"	15
33.5-37	Quartz to 34 then silicified aplite	"	"	No sludge			50
37-41.5	Aplite	"	"	none	none	"	70
41.5-49	"	"	"	"	"	"	30
49-54	"	"	"	"	"	"	20
54-59	Altered granite	"	"	"	"	"	30
59-64	Altered granite to 59.3 then dacite	"	"	"	"	"	100
64-67	Dacite	"	"	"	"	"	90
67-72	"	"	"	"	"	"	1000

End of hole at 72 feet.



"ALDARENE" REG. U.S. PAT. OFF. NO. 10613 K&E CO., N.Y. 40000

"ALDANENE" No. 109M KAPCO., N.Y.
40000

M. E. Volin

August 1, 1952

H. T. Reno

Periodic inspection, Contract Idm-E133, McRae Tungsten Corp., Docket No. DMA 864 (tungsten), Valley County, Idaho

I inspected the work and discussed the project with the company president, Mr. McRae, July 15, 1952. This project is to explore the "East" vein with bulldozer trenches and the "McRae" vein with 300 lin. feet of drifting and two 60-foot raises.

At the time of my visit, 304 feet of drift and the two 60-foot raises were complete. On the adit level, 288 feet of drift had been driven through barren ground. An average five-foot width zone which is considered to be ore was encountered 30 feet up in both raises. A drift 52 feet above the cap on the adit level was advanced 16 feet northeast from the second raise. The amount of tungsten in the mineralized zone exposed in the drift decreases rapidly at eight feet of advance. The face was out of ore although it did contain some scheelite.

Exploration of the "East" vein was abandoned when it was found to be impractical because of large boulders in the overburden. However, now that the existence of an appreciable body of ore has been proved on the "McRae" vein, it is realized that the "East" vein should be explored.

The company has submitted an application for exploration aid which includes exploration of the "East" vein by diamond drilling. As sufficient funds remain on the present project to cover the cost, it was suggested that the contract be amended to allow additional drifting on the "McRae" vein to positively determine the north edge of the ore shoot and diamond drilling of the "East" vein within amount of funds remaining. Mr. McRae readily agreed to this plan.

The supervision on this project has been excellent. All of the work has been done by men unfamiliar with mining. It is interesting to note how the standard of work improved as the project progressed.

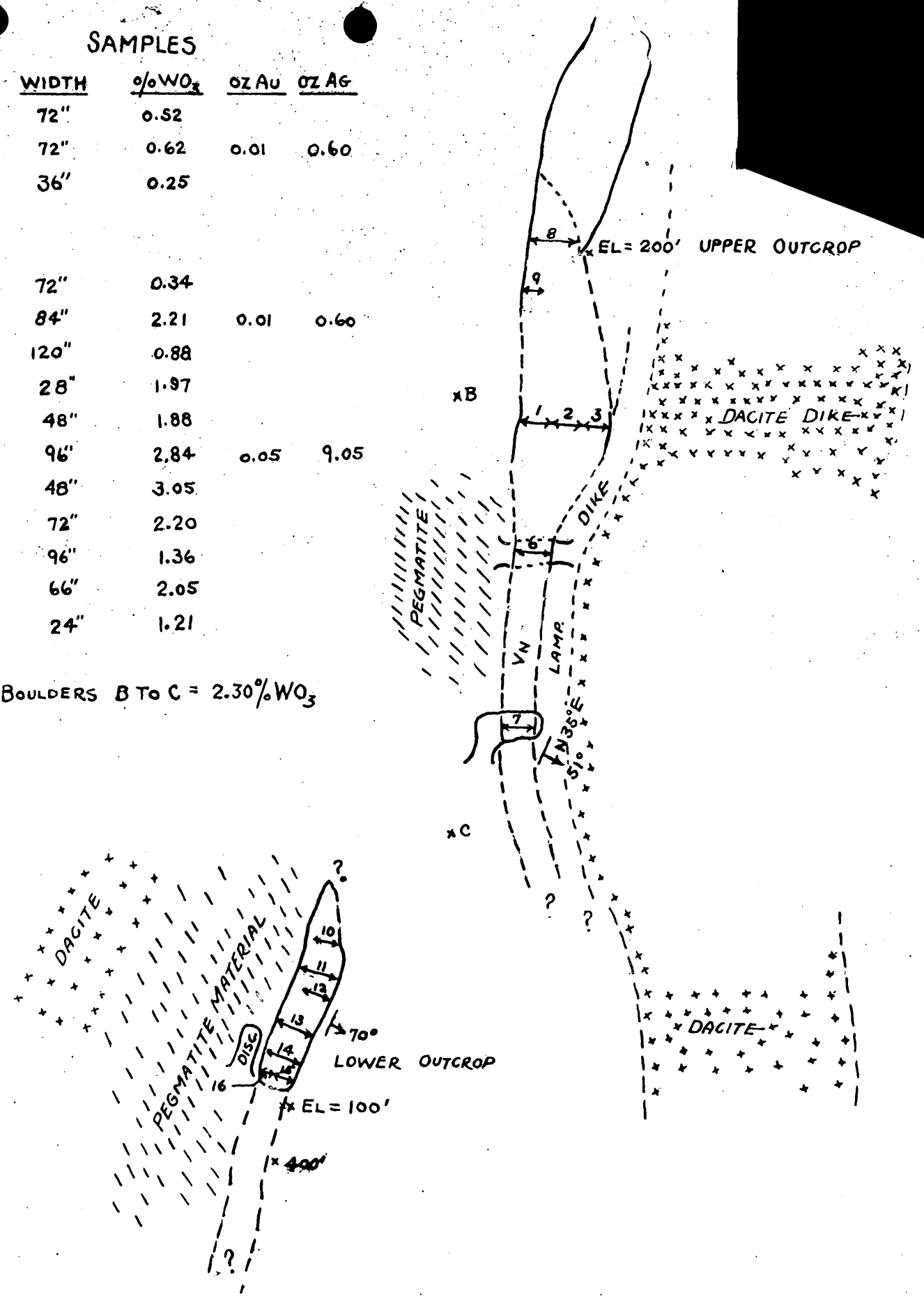
H. T. Reno

cc: USGS - 2
WASH - 2
HTR - 1

SAMPLES

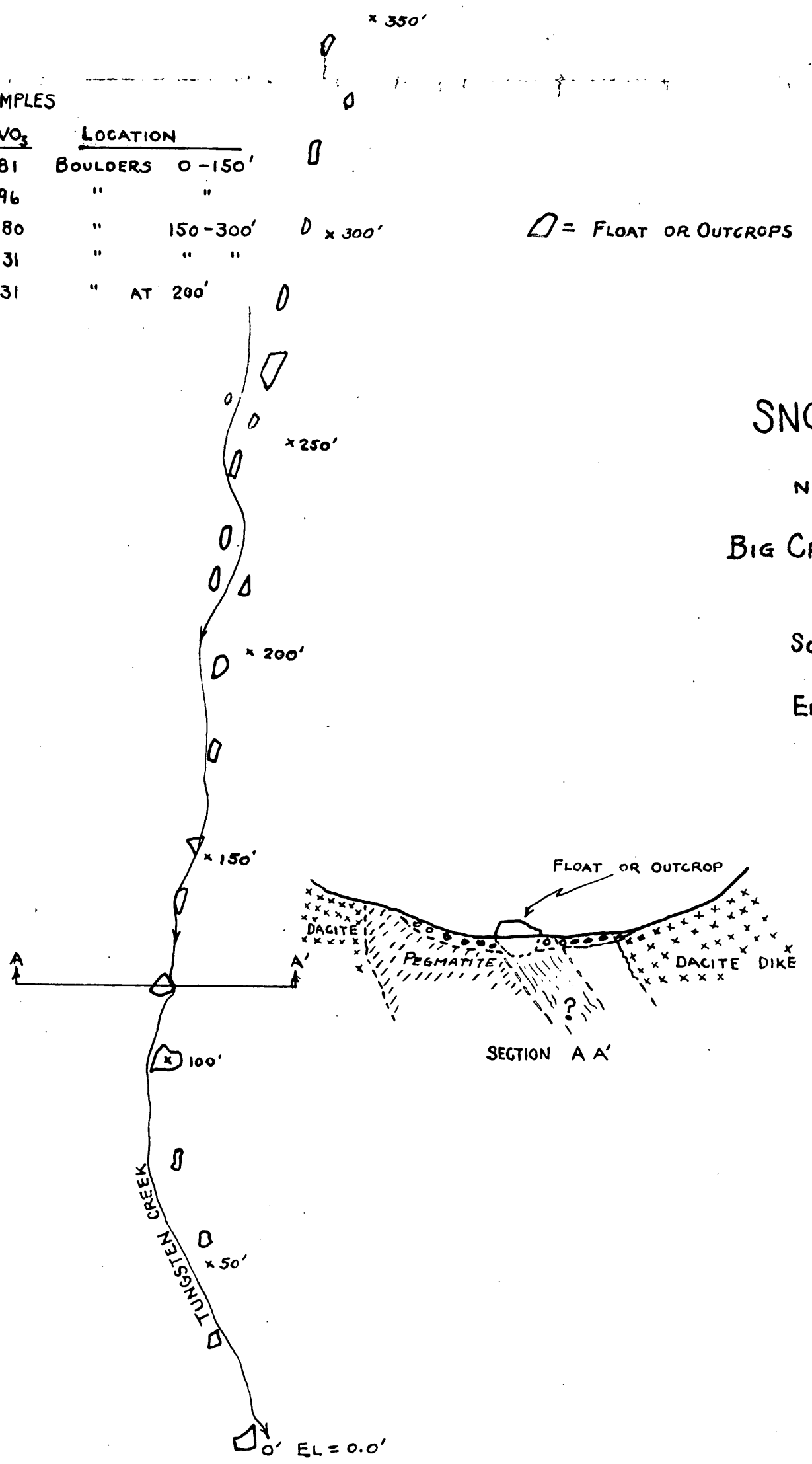
No	WIDTH	%WO_3	OZ AU	OZ AG
1	72"	0.52		
2	72"	0.62	0.01	0.60
3	36"	0.25		
4				
5				
6	72"	0.34		
7	84"	2.21	0.01	0.60
8	120"	0.88		
9	28"	1.97		
10	48"	1.88		
11	96"	2.84	0.05	9.05
12	48"	3.05		
13	72"	2.20		
14	96"	1.36		
15	66"	2.05		
16	24"	1.21		

FLOAT BOULDERS B TO C = 2.30% WO_3



SAMPLES

No	% WO_3	LOCATION
100	0.81	BOULDERS 0 - 150'
101	0.96	" "
102	1.80	" 150 - 300'
103	0.31	" " "
104	11.31	" AT 200'



= FLOAT OR OUTCROPS EXPOSED THRU OVERBURDEN

SNOWBIRD GROUP

NORTH OUTCROPS

BIG CREEK, VALLEY CO., IDAHO

Scale 1 inch = 30 feet

ELEVATION 0.0' = 8000 FEET

04 (Rev.)
52)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

10/24/52

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of JULY, 1952 Docket No. DMEA 864 Contract No. 133

Operator's Name McRAE TUNGSTEN CORP Minerals TUNGSTEN

Address STIBNITE IDAHO

Contract Amount, $ 20,351.00 Government Participation: 75% Amount, $ 15,263.25

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	736.00	5382.79	6118.79	574.75	5382.79	5,957.54
Supervision	90.00	660.00	750.00	90.00	660.00	750.00
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		590.61	590.61		590.61	590.61
Pipe						
Track						
OTHER	77.20	1699.47	1776.67	77.20	1,699.47	1,776.67
(4) Operating Equipment:						
Rental		650.00	650.00		650.00	650.00
Purchase		3254.79	3254.79		3254.79	3254.79
Depreciation						
(5) Initial Rehabilitation and Repairs		1312.21	1312.21		1,312.21	1312.21
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment		122.87	122.87		122.87	122.87
Sampling and Analysis						
Payroll Taxes	30.58	291.~~00~~ 68	321.~~58~~ 66	29.91	291.00	320.91
Liability Insurance	36.66	314.56	351.22	31.07	314.56	345.58
TRANSPORTATION		169.75	169.75		169.75	169.75
TEL AND TEL		~~73.66~~ 77.10	~~73.66~~ 77.10		77.10	77.10
(8) Contingencies (specify):						
SNOW REMOVAL	200.00		200.00	200.00		200.00
~~Audit USED-Yes~~ June invoice		6.30	6.30		6.30	6.30
TOTALS	1170.44	14,531.45	15,701.89	1007.88	14531.45	15,534.33

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

Date 8-30-52 *Payee McRAE TUNGSTEN CORP

Per Robert J. McRae Title Pres.

*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)

OCT 8 1952

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

$ 752.16

Signature [signature]
(Authorized Certifying Officer)

Date 10-6-52 Vou. No.
(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. 133 in accordance with the terms of the contract.

Signature Howard T. Reno Title Min Engr Date 9-4-52

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

[redacted]104A
[redacted](1 [redacted]2)

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 864 Contract No. 133
Operator's Name McRAE TUNGSTEN CORP Minerals TUNGSTEN
Address STIBNITE, IDAHO

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
		802.88		6960.97		23.35		
Drifting	FT	~~970.44~~	30	~~7128.53~~	304	~~23.45~~ 5		
Crosscutting		965.27						
Raising	FT		0	2999.92	120	25.00		
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching				550.00				
Test Pits								
Roads and Trails		200.00		300.00				
		1002.88		10,810.89				
TOTAL DISTRIBUTED COSTS		~~1970.44~~		~~10,978.45~~				TOTAL COSTS AUTHORIZED BY CONTRACT
		~~965.27~~		~~13443.27~~				
Operating Equipment Purchased				3254.79				
Initial Rehabilitation and Repairs				1468.65				
New Buildings, Improvements, etc								
		1002.88		15,534.32				
TOTAL COSTS		~~1965.27~~		~~15,701.89~~				
				~~15,696.98~~				

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

Date 8-30-52 Operator McRAE TUNGSTEN CORP

Per Robert J. McRae Title Pres.

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

NARRATIVE REPORT FOR JULY

During the first week in July more compressor trouble was experienced and later three shifts were lost waiting for machine repairs.

The drift off of raise No. 2 was driven 20 feet southward along the dike. The elevation of the floor of the drift is at 8045 feet. The drift was out of ore after the first 5 feet though there were small bunches along the entire course of the drift. The ground appeared to be considerably broken and there is some suggestion that the vein or ore may have turned sharply eastward away from the dike.

In addition to the 20 feet of drift, 4 feet was broken to the west and 6 feet to the east as prospecting crosscuts at the face of the drift. They did not reveal anything new.

In view of bad air and having to handle the muck twice, work was stopped. I am at present having Mr. L.C. Clark remap and do the geology on the project. This he is carrying on in conjunction with looking after the diamond drilling. He will pay particular attention to the above drift area off of No. 2 raise.

No map of this recent work is submitted with this report as complete maps will be available shortly.

During the month, Mr. H.F. Reno of the Bureau of Mines examined the project as well as other outcrops on the property.

Robert J. McRae

U. S. BUREAU OF MINES
Received
OCT 3 - 1952
Albany, Oregon

M. E. Volin, Member, DMEA Field Team, Reg. II July 23, 1952

H. T. Reno, Mining Engineer, Bureau of Mines

Proposed amendment, Contract Idm-E133, McRae Tungsten Corp'n
Docket DMA 864 . (tungsten)

Subject amendment, attached herewith, deletes part of the surface trenching and substitutes diamond drilling from the surface as a means of exploring the "East" vein and allows 25 lin. ft. more drifting on the "McRae" vein. Funds to do the additional work within the amount of the contract are provided by savings effected by the Operator on some parts of the work and by using money made available by deleting part of the surface trenching.

The exploration project to date has been successful, and it is considered that a discovery of commercial grade tungsten ore has been made in the "McRae" vein. The additional drifting should delimit the south edge of the ore shoot. The character of material over the "East" vein is such that exploration by surface trenching cannot be done with the equipment available.

In view of the high-grade tungsten present in the outcrop and the ore shoot on the adjacent "McRae" vein, the "East" vein should be explored.

It is recommended that this amendment be approved.

H. T. Reno

Orig. to files
~~DF~~
Wash. (2)
USGS (2)
HTR

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

UNITED S[redacted]
DE[redacted]RTMENT OF [redacted]E INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

OPERATOR'S MONTHLY REPORT AND VOUCHER

5

Month of June, 195 2 Docket No. DMEA 864 Contract No. 133

Operator's Name McRae Tungsten Corp Minerals Tungsten

Address Stibnite, Idaho

Contract Amount, $ 20,351.00 Government Participation: 75 % Amount, $ 15,263.25

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	770.30	4612.49	5382.79			
Supervision	90.00	570.00	660.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives		590.61	590.61			
Pipe						
Track						
Other	62.45	1637.02	1699.47			
(4) Operating Equipment:						
Rental		650.00	650.00			
Purchase		3254.79	3254.79			
Depreciation						
(5) Initial Rehabilitation and Repairs		1312.21	1312.21			
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment	17.80	105.07	122.87			
Sampling and Analysis						
Payroll Taxes	38.79	252.29	291.08			
Liability Insurance	47.68	266.88	314.56			
Transportation		169.75	169.75			
Telephone	3.44	73.66	77.10			
(8) Contingencies (specify):						
Office Supplies		6.30	6.30			
TOTALS	$1030.46	13501.07	14531.53			

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

Date 7/11/52 *Payee McRae Tungsten Corp.

Per Robert J. McRae Title President

*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:

$

Signature
(Authorized Certifying Officer)

Date Vou. No.
(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. DM-E123 in accordance with the terms of the contract.

Signature Thomas E. Howard Title Mining Engr Date 7-18-52

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Member, DMEA Field Team, Reg. II

Signature Thomas E. Howard Title Mining Engr Date 7-18-52

MONTHLY REPORT OF OPERATOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5

Month of June 1952 Docket No. DMEA 864 Contract No. 133
Operator's Name McRae Tungsten Corp. Minerals Tungsten
Address Stibnite, Idaho

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Drifting	ft	0	0	6158.09	274	22.474	300	
Crosscutting								
Raising	ft	1030.46	43	3000.00	120	25.00	120	
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching				550.00				
Test Pits								
Roads and Trails				100.00				
TOTAL DISTRIBUTED COSTS		1030.46	43	9808.09				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased				3254.79				
Initial Rehabilitation and Repairs				1468.65				
New Buildings, Improvements, etc.								
TOTAL COSTS		1030.46	43	14531.53				

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 7/11/52 Operator McRae Tungsten Corp.

Per Robert J. McRae Title President

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

C O P Y

PROGRESS REPORT (Narrative)

McRae Tungsten Corporation June, 1952

The only underground work done during the month of June was the completion of #2 raise from 18 feet to 61 feet for a total advance of 43 feet. The raise encountered the quartz vein at about 25 feet up. (See the enclosed section of #2 raise). As soon as the vein turned over under the dike the tungsten mineralization came in. In this case most of the tungsten mineral is scheelite. The assays are listed on the section.

This same feature of tungsten mineralization was observed in raise #1. The beginning of tungsten mineralization was at nearly the same elevation as in raise #1.

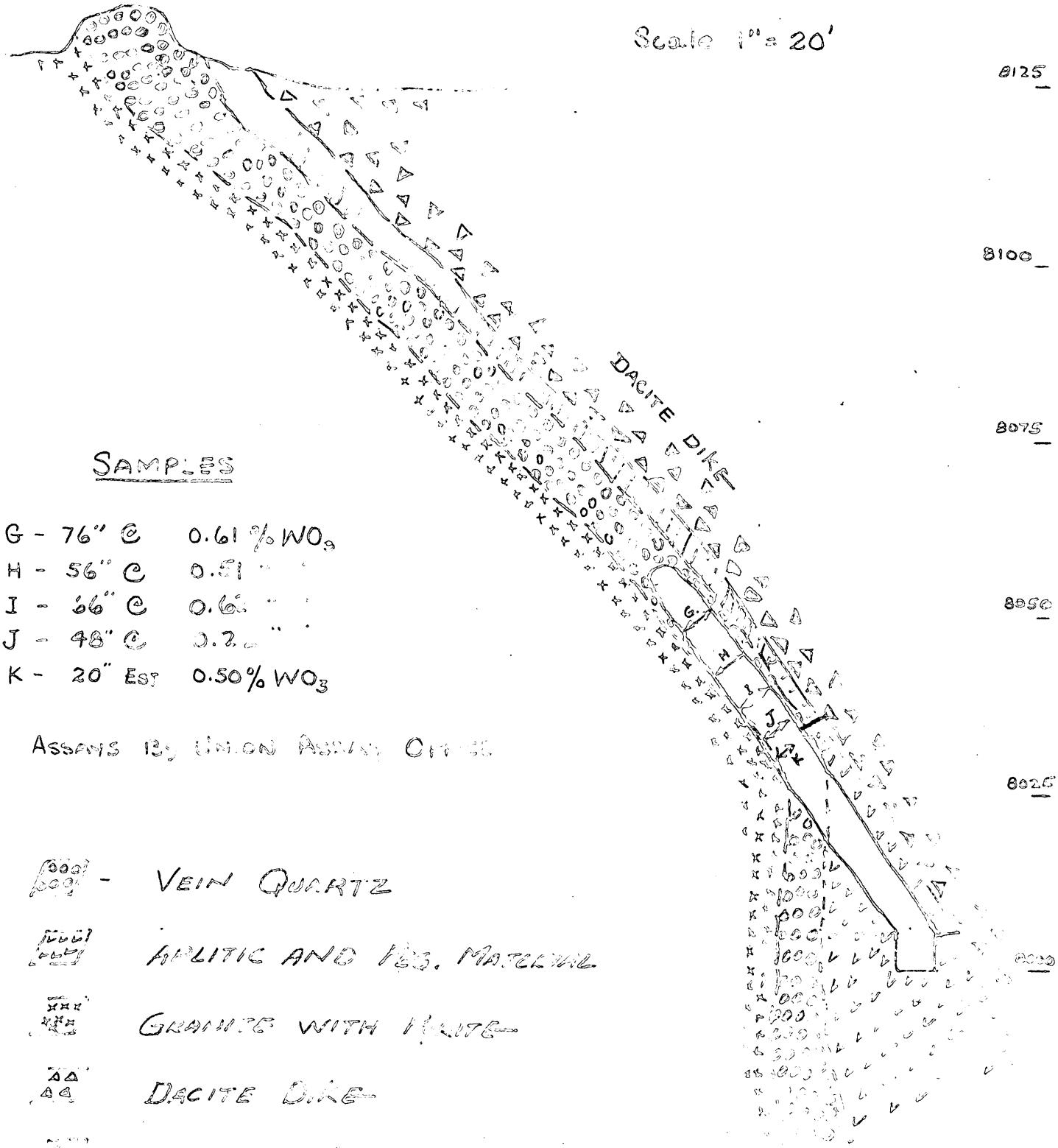
In view of this mineralization feature it was thought worthwhile to start drifting to the southwest along the vein at elevation 8045. This would allow a better appraisal of the ore.

More mechanical trouble was experienced in June than in all previous months combined. A loss of at least 25 feet resulted from the delay for repairs.

BRADLEY MINING CO. SUBJECT RAISE No. 2 SECTION SHEET NO. ..... OF .....
BY RJM DATE ● McKAY TUNGSTEN ● JOB NO. .....
CHKD. BY ..... DATE 7-3-52 [illegible] CAMP

SECTION THRU RAISE 2
S.70°E.

Scale 1" = 20'



SAMPLES

G - 76" @ 0.61 % WO_3
H - 56" @ 0.51 "
I - 66" @ 0.6[illegible] "
J - 48" @ 0.2[illegible] "
K - 20" Est 0.50% WO_3

ASSAYS BY UNION ASSAY OFFICE

- VEIN QUARTZ
- APLITIC AND [illegible] MATERIAL
- GRANITE WITH [illegible]
- DACITE DIKE
- [illegible]

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 133

7/7/52

Name of Operator McRae Tungsten Corp.
Docket No. DMA ~~684~~ 864
Total Contract Amount $ 20,351.00
Government Participation: 75 % Amount, $ 15,263.25
Distribution of Expenditures for Month of May

824.57

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 30 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.

McRae Tungsten Corp.
(Name of Company)

By Robert J. McRae
(Signature of Authorized Official)

June 6, 1952
(Date)

President
(Title)

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

16—64068-3

May '52

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		786.42	786.42			
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		3254.79	3254.79			
(b) Rented[2]		650.00	650.00			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

PROGRESS REPORT FOR MAY, 1952

During the month the drift was extended from 190 feet to 250 feet for an advance of 60 feet. Number 2 raise was started at 240 feet. It was up 18 feet on June 1. The drift followed closely the dacite dike contact. The raise is just under the dike.

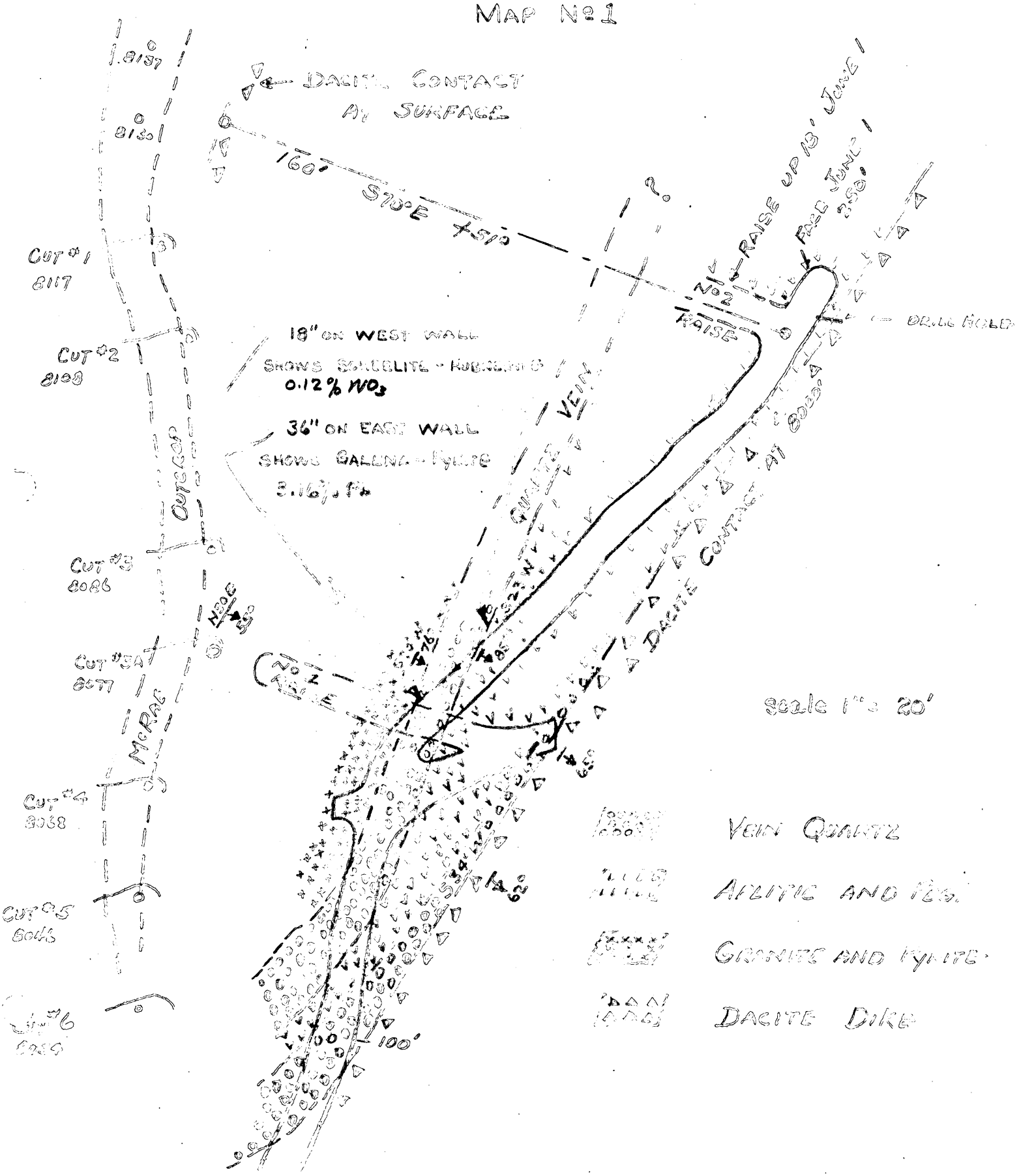
No ore was encountered in the drift or in the first 18 feet of No. 2 raise. It is now believed that the quartz vein that lies east of the drift and contact is probably the main vein. It shows some scheelite and hubnerite at the point where it leaves the drift. A short cross cut will be required either off the drift or off of the raise to cut the vein.

At present it is planned to push No.2 raise up 60 feet (slope distance) and then drive a short corss cut eastward from the top of the raise providing ore is not encountered before hand. If as suggested in the progress report for April the ore in No.1 raise is the result of the quartz vein intersecting the dike then we should get the ore in No.2 raise at about 50 feet (slope distance) up the raise. It appears that during June we should be able to pick up the ore in or off of the No.2 raise.

Robert J McRae

BRADLEY MINING CO. SUBJECT PLAN MAP SHEET NO. ..... OF .....
BY KEM DATE 6/[redacted]/92 MAY PROGRESS REPORT JOB NO. .....
CHKD. BY ..... DATE ..... McRAE TUNGSTEN CORP

MAP No 1



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] Employees	776.70	4361.58	5138.28			
5. Supervision	90.00	480.00	570.00			
6. Supplies						
(a) Timber						
(b) Explosives		590.61	590.61			
(c) Repair Parts	15.27	89.80	105.07			
(d) Other	128.82	1508.20	1637.02			
7. Power						
8. Transportation		169.75	169.75			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	48.03	218.85	266.88			
10. Contract Work						
11. Other (specify)						
Soc. Sec. Tax and Security Tax	39.00	213.29	252.29			
Office Supplies		6.30	6.30			
Telephone and Tel.	~~3.62~~ 1.61	72.05	~~75.67~~ 73.66			
Total	1099.43	12401.64	13501.07			
Deletions						
Adjusted totals						
Totals previously reported						
Totals to date				1099.43	12,401.64	13,501.07

[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 J. Sander
Entered by
Approved by Thomas E. Howard
Amount approved for payment $824.57
Remarks

16—64068-3

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	650.02		106.07	67.99	824.08	Ft.	60.0	214	274	300
Crosscutting										
Raising	216.68		38.02	~~22.66~~ 20.65	275.35	Ft.	18.0	59	77	120
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	866.70		144.09	~~90.65~~ 88.64	~~1101.44~~ 1099.43	Ft.	78.0	273	351	420

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

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

MF-104
(August 1951)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No. Idm-E 133

Name of Operator McRAE TUNGSTEN CORP
Docket No. DMA 684
Total Contract Amount $ 20,351.00
Government Participation: 75 % Amount, $ 15,263.25
Distribution of Expenditures for Month of APRIL 1952

gcl
6/24/52

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.

JUN 20 1952

CERTIFICATION

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

McRAE TUNGSTEN CORP
(Name of Company)

By Robert J. McRae
(Signature of Authorized Official)

MAY 13, 1952
(Date)

President
(Title)

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

16--64068-3

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		786.42	786.42			
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		3254.79	3254.79			
(b) Rented[2]		650.00	650.00			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

PROGRESS REPORT FOR APRIL 1952

During the month 59 feet of raise and 40 feet of drift was run. A total of two men were on the working payroll.

As was mentioned in the March report a raise was started at a point just east of the dike contact at about 150 feet in from the portal, see Map No. 1. Map No. 3 illustrates a section through the raise along section YY (see Map No. 2). The raise picked up some scheelite at about elevation 8024. At elevation 8030 there was 36 inches of fair ore. From 8040 to the face or 8053 there is from 5 to 6½ feet of what appears to be good ore containing scheelite and hubnerite. Samples A-B-C-D-E and F are from the raise and are now in for assay (see Map 3).

The raise was stopped at elevation 8053. The ore for the last 10 feet in the raise appeared to be very much similar to the surface ore. It was felt little information would be gained by driving on to the surface.

The drifting was continued and the drift was turned to the west in order to pick up the dike contact. If after drifting 100 feet beyond the first raise the ore has not yet come down to the level we will raise again and find its location.

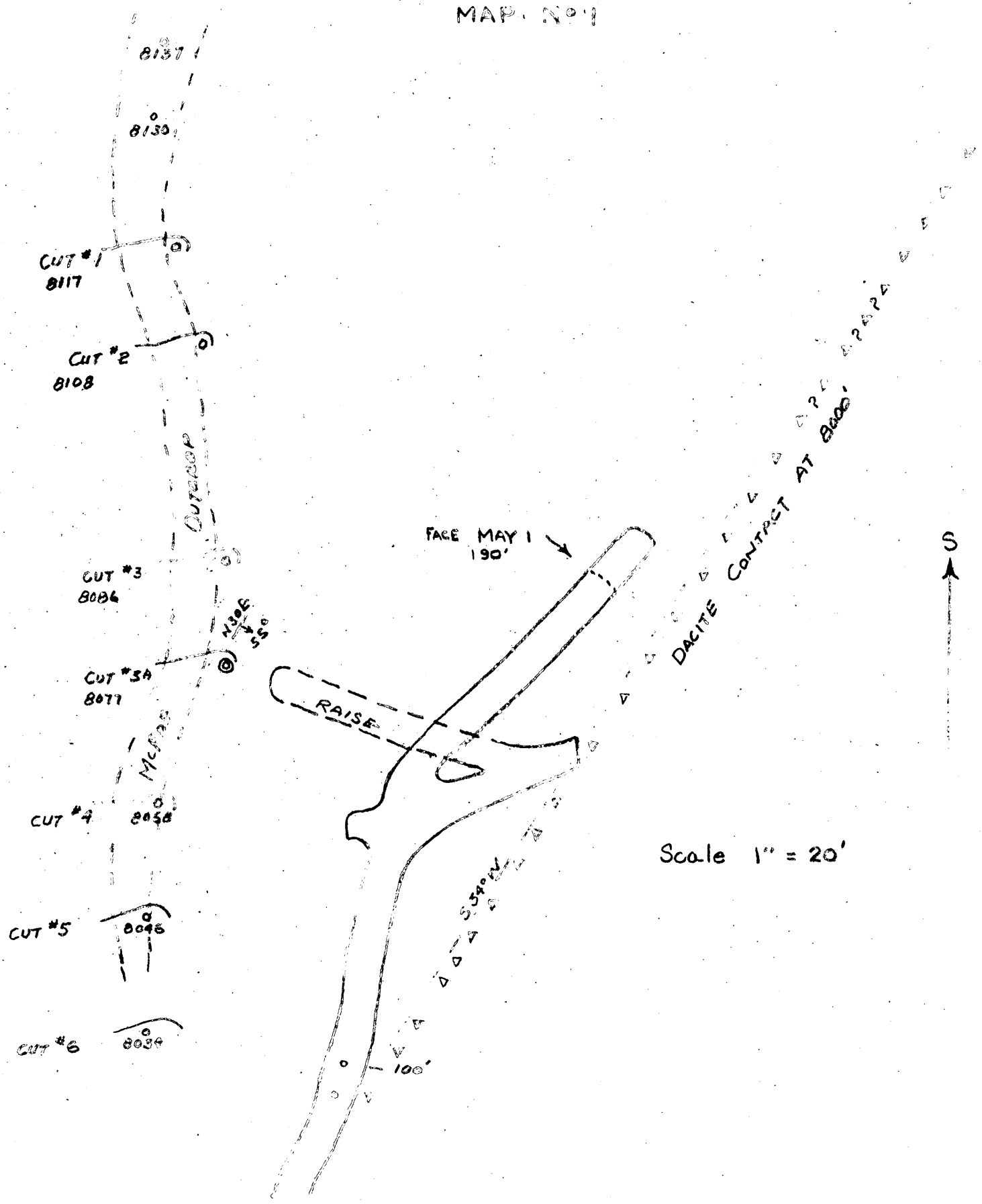
At present I do not have any clear reason why the ore has not come below elevation 8030. In looking at the section Map 3 it might be that the ore starts at the probable point of intersection of the east quarts zone with the dike. This would be at sample D or E., or at about elevation 8034.

BRADLEY MINING CO. SUBJECT PLAN OF WORKINGS SHEET NO. ..... OF .....

BY RJM DATE 5 [illegible] McRAE TUNGSTEN CORP JOB NO. .....

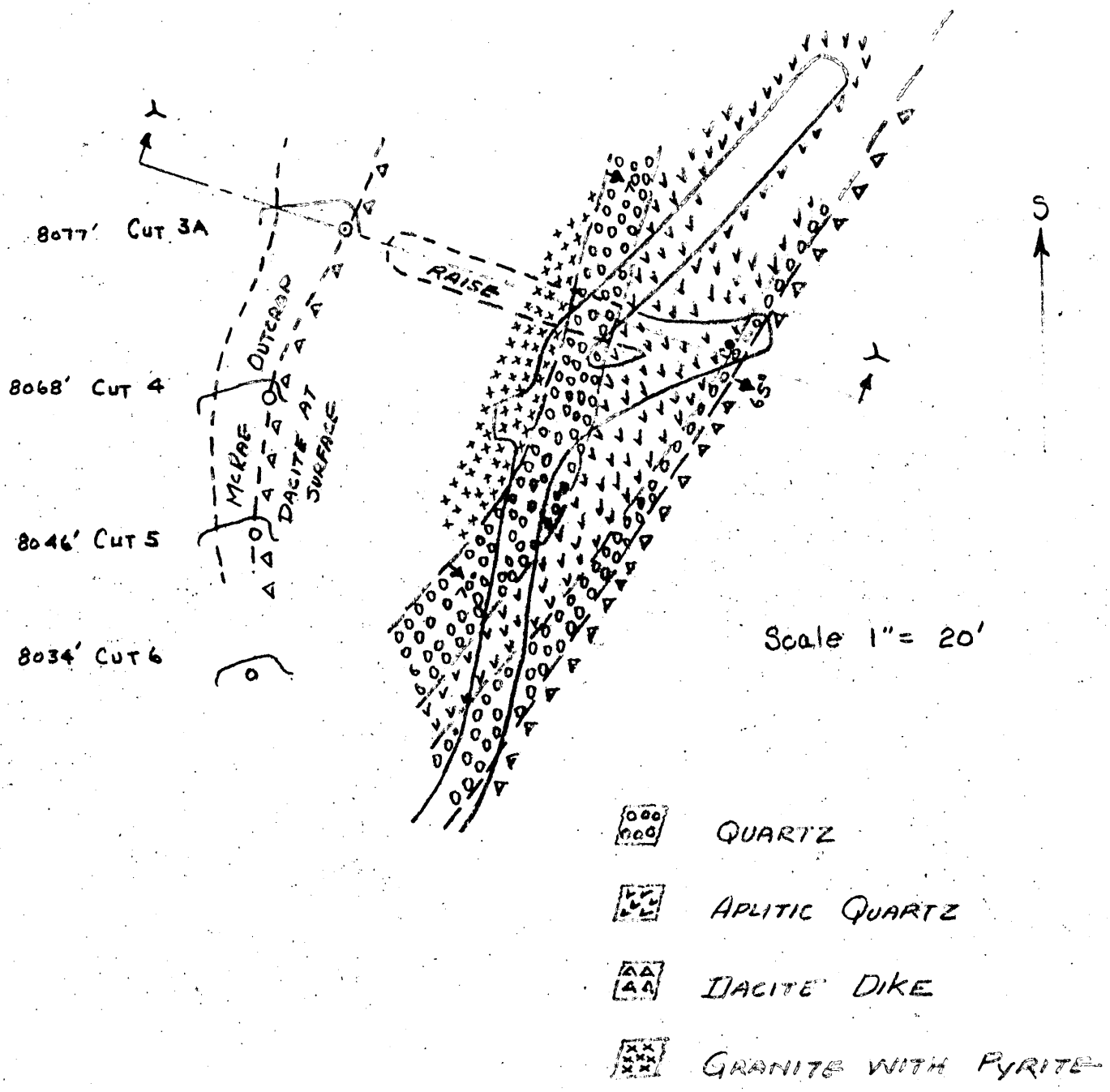
CHKD. BY ..... DATE ..... PROGRESS REPORT FOR APRIL

MAP. No 1



BRADLEY MINING CO. SUBJECT UNDER GROUND GEOLOGY SHEET NO. ..... OF .....
BY R.J.M. DATE 5-5-[illegible] McRAE TUNGSTEN CORP JOB NO. .....
CHKD. BY ..... DATE ..... PROGRESS REPORT FOR APRIL

MAP No 2



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]	1027.85	3333.73	4361.58			
5. Supervision	90.00	390.00	480.00			
6. Supplies						
(a) Timber						
(b) Explosives		590.61	590.61			
(c) Repair Parts	19.80	70.00	89.80			
(d) Other	98.98	1409.22	1508.20			
7. Power						
8. Transportation	2.33	167.42	169.75			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	66.12	152.73	218.85			
10. Contract Work						
11. Other (specify)						
Social Sec Tax and	50.30	162.99	213.29			
Sec. Tax						
Tel and Teleg	3.19	68.86	72.05			
	6.30	0.0	6.30			
Total	1364.87	11,036.77	12,401.64			
Deletions						
Adjusted totals						
Totals previously reported	11036.77					
Totals to date	12401.64			1476.23	10,925.41	12,401.64

[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 W R Lee
Entered by
Approved by Thomas E Howard
Amount approved for payment $ 1107.27
Remarks

16—64068-3

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	558.92		59.39	64.12	682.43	FT	40.9	173.1	214.0	300
Crosscutting										
Raising	558.93		59.39	64.12	682.44	FT	59.0	0.0	59.0	120
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	1117.85		118.78	128.24	1364.87	FT	99.9	173.1	273.0	420

[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.

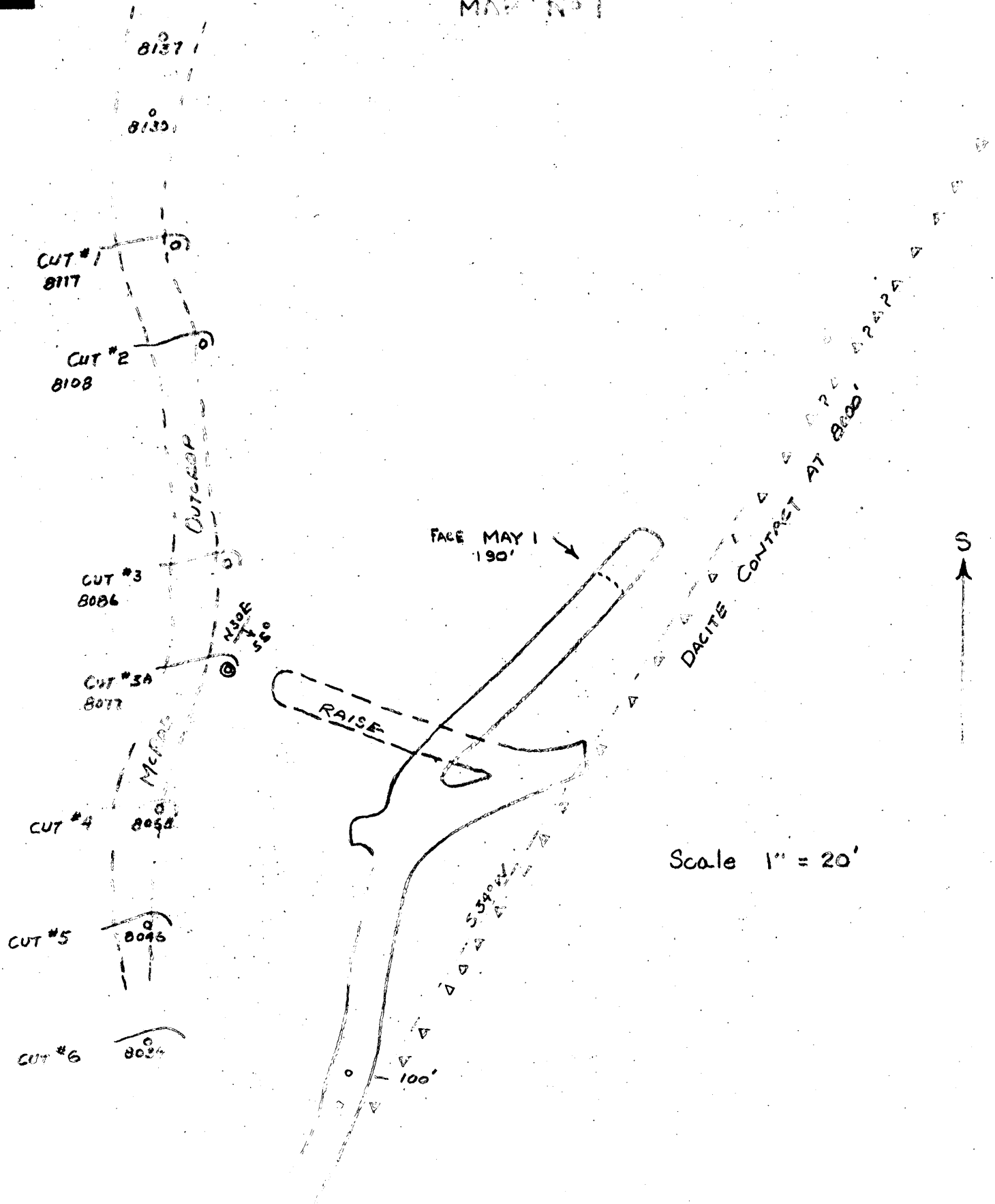
16—64068-3 U. S. GOVERNMENT PRINTING OFFICE

BRADLEY MINING C[redacted] SUBJECT PLAN OF WORK[redacted]GS SHEET NO.....OF.....

BY RJM DATE 5-5-52 ...CRAE TUNGSTEN CORP JOB NO.....

CHKD. BY..... DATE..... PROGRESS REPORT FOR APRIL

MAP NO 1



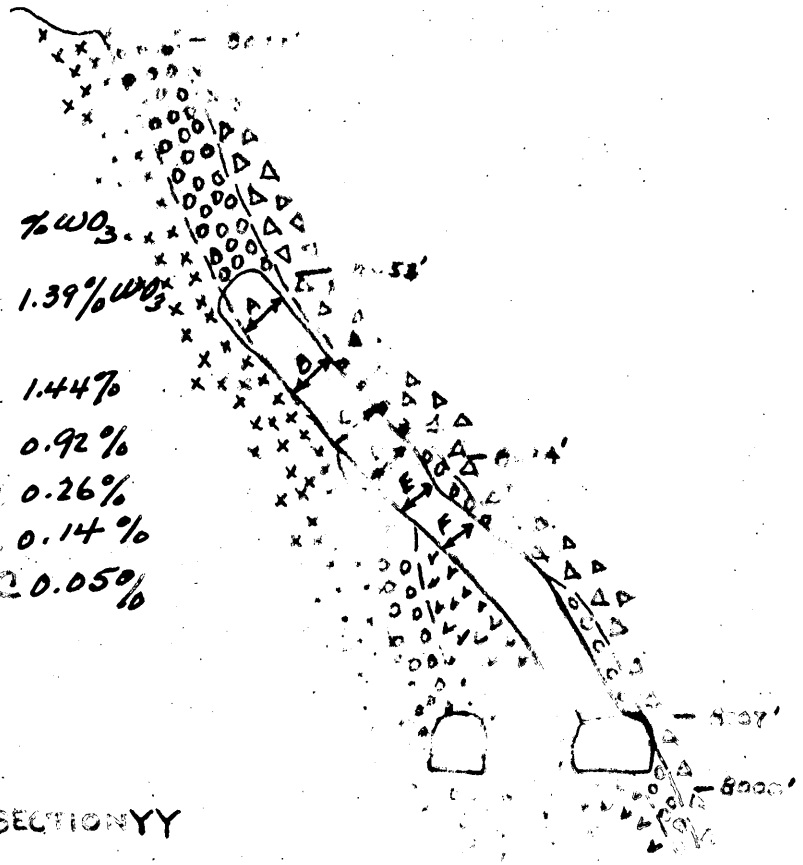
BRADLEY MINING CO. SUBJECT [illegible] SECTION [illegible]
BY RJM DATE 5-1-52 McKAL [illegible]
CHKD. BY ..... DATE ..... Valley County, Idaho

Dma 864, E133
SHEET NO. ..... OF .....
JOB NO. .....

Contract Idm-E133
Docket No. 864 (tungsten)
April report

SAMPLES %WO_3

(A) No 5704 - 72" @ 1.39% WO_3
(B) 5705 - 80" @ 1.44%
(C) 5706 - 60" 0.92%
(D) 5707 - 48" 0.26%
(E) 5708 - 48" 0.14%
(F) 5709 - 34 @ 0.05%



SECTION YY

Scale 1" = 20'

QUARTZ

APLITIC QUARTZ

DACITE

GRANITE

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 133

Name of Operator McRAE TUNGSTEN CORP.
Docket No. DMA ~~684~~ 864
Total Contract Amount $ 20,351.00
Government Participation: 75 % Amount, $ 15,263.25
Distribution of Expenditures for Month of March

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.

March

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.

McRAE TUNGSTEN CORP.
(Name of Company)

By Robert J. McRae
(Signature of Authorized Official)

April 3, 1952
(Date)

President
(Title)

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

16—64068-3

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		786.42	786.42			
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		3254.79	3254.79			
(b) Rented[2]		650.00	650.00			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(d) Fixtures						
4. Labor[3]	568.15	2765.58	3333.73			
5. Supervision	45.00	345.00	390.00			
6. Supplies						
(a) Timber						
(b) Explosives		590.61	590.61			
(c) Repair Parts		70.00	70.00			
(d) Other		1409.22	1409.22			
7. Power						
8. Transportation		167.42	167.42			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	31.75	120.98	152.73			
10. Contract Work						
11. Other (specify)						
Soc. Sec. Tax and Security Tax	27.61	135.38	162.99			
Tel. and Teleg.	22.63	46.23	68.86			
Total	695.14	10341.63	11036.77			
Deletions						
Adjusted totals						
Totals previously reported	10341.63					
Totals to date	11036.77					

[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 Thomas E. Howard
Amount approved for payment
Remarks

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	613.15			81.99	695.14	Ft.	24	149.1	173.1	300.0
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	613.15			81.99	695.14		24	149.1	173.1	300.0

[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

PROGRESS REPORT FOR MARCH 1952

McRAE TUNGSTEN STIBNITE, IDAHO

Work was resumed on the project on March 16 with two men. Actual mining was started on March 22.

I visited the property on March 29. This is the first visit since Dec. 8, 1951. At that time the drift was in 100 feet. Two maps are included with this report--one showing the underground geology and the other the underground workings.

If you will refer to Map A, you will see that there are two bands of quartz. One is against the dike and the other about 10 feet east of the dike. Between the two bands is aplitic quartz. The entire zone is about 20 feet wide. The crosscut to the dike was completed while I was at the property.

The mineralization of the two bands was disappointing to me and my December report must be modified. There is some tungsten mineralization between points C and E in the west band quartz. Likewise there is tungsten mineralization in the east band. Scheelite predominates in the west band and hubnerite with practically no scheelite in the east band. In both cases the tungsten mineralization is spotty and bunchy. The miners, during mining, had sorted off the top of the muck cars several hundred pounds of quartz containing hubnerite. Some of the crystals were one inch lon

PROGRESS REPORT (CONT).

McRAE TUNGSTEN CORP STIBNITE, IDAHO

I could not find any in the quartz in place. The showing at 100 feet reported in the November report also appeared to be a large bunch that did not extend southward.

The east band contains considerable chalcopyrite, and galena in bunches. The stub crosscut to the east entered pyrite bearing granitic rock. It is believed that point G is the footwall of the zone.

In view of the findings to date it is evident that the surface oreshoot has not yet been encountered in the development. There are two possibilities; The oreshoot rakes strongly southward or the shoot does not come down to the 8005 elevation in the region explored. To settle this uncertainty, I deemed it desirable to start the first raise at point I in the crosscut and project the raise to surface at Cut 3A. The length of this raise will be 88 feet, inclination from 50 to 55 degrees, and its bearing S 70° E. It was started about 4 feet east of the dike and will stay about that distance under the contact. (On April 4th this raise was up 20 feet and the signals indicated they had struck the oreshoot. This was determined when we flew over the mine to drop fresh meat and vegetables. If this is correct it probably indicates a south rake.) Another visit is planned about April 20th at which time the altitude of the oreshoot should be much clearer.

8077

MAP A

864

IDAHO

VALLEY COUNTY

February 1, 1952

McRae Tungsten Corporation, Idm-E133, W

75-25 of $20,351.00

15 months

The objective of this project is the underground and surface exploration of the East and McRae veins. Bulldozer cuts are to be made on the structures and the McRae vein explored by 300 feet of drifting and 120 feet of raising.

The surface trenching exposed varying amounts of commercial grade tungsten ore. Drifting to intersect the veins has cut low-grade tungsten concentrations.

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

CO

D. O. Vou. No. _____
Bu. Vou. No. DMA-113

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Department of the Interior, Bureau of Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon Jan. 23, 1952
(Give place and date)

THE UNITED STATES, Dr.,

To McRae Tungsten Corp.
(Payee)

Address Stibnite, Idaho

Payee's Account No. IDM-E 133

PAID BY
(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms ____% Discount Cash ____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	December 1951	As per attached certified Form MF-104 dated January 1952				453	35

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 453 35

(Payee must NOT use this space)
Differences _____
Account verified; correct for 453 35
(Signature or initials) _____

Contract No. IDM-E 133 Date 9/5/51 Req. No. _____ Date _____ Invoice Rec'd _____

453.35

MEMORANDUM

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	453.35	453.35

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

MAR 10 1952

Paid by { Check No. _____ dated _____, 19____, for $_____ } on Treasurer of the United States in favor of payee named above.
{ Cash, $_____, on _____, 19____, Payee _____ }
(Sign original only)

Per _____
Title _____

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.

2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*) (*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.

4. Without advertising in accordance with _____

5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

MF-104
(August 1951)

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

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

FEB 18 11 18 PM '52

Contract No.
Idm-E 133

Name of Operator McRae Tungsten Corp.
Docket No. DMA ~~684~~ 864
Total Contract Amount $ 20,351.00
Government Participation: 75 % Amount, $ 15,263.25
Distribution of Expenditures for Month of Dec. 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. 6

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.

McRae Tungsten Corp.
(Name of Company)

By Robert J. McRae
(Signature of Authorized Official)

Jan. 1952
(Date)

President
(Title)

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

16—64068-3

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		786.42	786.42			
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		3254.79	3254.79			
(b) Rented[2]		650.00	650.00			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

PROGRESS REPORT FOR DECEMBER 1951

During the month only one man was employed. The drift was driven 49 feet with 27 man shifts. Due to extremely heavy storms, the planned visit of Jan. 1 has not been made. The information in this report and on the enclosed map is from the compass bearings, and description furnished by Mr. Wilbur Wiles, the miner who ran these 49 feet. His past observations have been reasonably accurate. He brought out one sample 5 M.

At my visit of Dec. 1, when the drift was at 100 feet, I suggested turning slightly to the east to get away from the soft hanging wall (vein-dyke contact). I also suggested that the miners hold this course until the foot wall was reached, which I estimated would be about 115 feet, and then for them to turn with the vein. This was based on my estimate that the vein would not be over 10 feet wide. The drift continued in quartz to 148 feet before the foot wall was found. This indicates a vein width of 20 or more feet. Unfortunately, the 10 feet next to the foot wall is very low grade. The drift was in tungsten bearing material from 100 feet to 125 feet. At 100 feet the 18 inch band of ore represented by sample 2 M was cut (see map). From 100 feet to 115

feet was low grade material. Then from 115 to 120 feet a 24 inch band of better grade ore was cut and represented by sample 5 M (see map). From 120 to 125 was lower grade material. From 125 to 149 feet the vein was extremely low grade. The foot wall was cut at 148 feet.

The last 25 feet of drift, which is in the low grade foot wall zone, gave us no information as to how the ore was showing up on the hanging wall zone. It is at about 125 feet that we should have been under the end of the ore shoot shown on the surface. The drift should have been turned with the vein at about the 129 foot point and, thus exposed the better ore zone.

When work is resumed in March the drift will be turned sharply west to get back into the ore zone. The work was discontinued on January 1 and it is planned to resume about March 20th. It is my belief that we can finish the drifting by June 1 and then start raising.

It is disappointing that the last 25 feet of work was in barren foot wall zone. However, the ore exposed from 100 to 125 feet indicates an 8 to 10 foot zone that is commercial. It is felt the next 50 feet of drift will be very important in showing how strong the surface ore shoot will be found on this level.

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]	451.90	2313.68	2765.58			
5. Supervision	90.00	255.00	345.00			
6. Supplies						
(a) Timber						
(b) Explosives		590.61	590.61			
(c) Repair Parts		70.00	70.00			
(d) Other		1409.22	1409.22			
7. Power						
8. Transportation		167.42	167.42			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	25.98	95.00	120.98			
10. Contract Work						
11. Other (specify)						
Social Security Tax and Security tax	22.90	112.48	135.38			
Tel. and Teleg.	13.69	32.54	46.23			
Total	604.47	9737.16	10341.63			
Deletions						
Adjusted totals						
Totals previously reported	9737.16					
Totals to date	10341.63					

[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 Thomas E Howard
Amount approved for payment
Remarks

16—64068-3

U. S. BUREAU OF MINES
RECEIVED
FEB 6 1952

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF Dec. 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	541.90			62.57	604.47	Ft	49.0	100.1	149.10	300
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	541.90			62.57	604.47	Ft	49.0	100.1	149.10	300

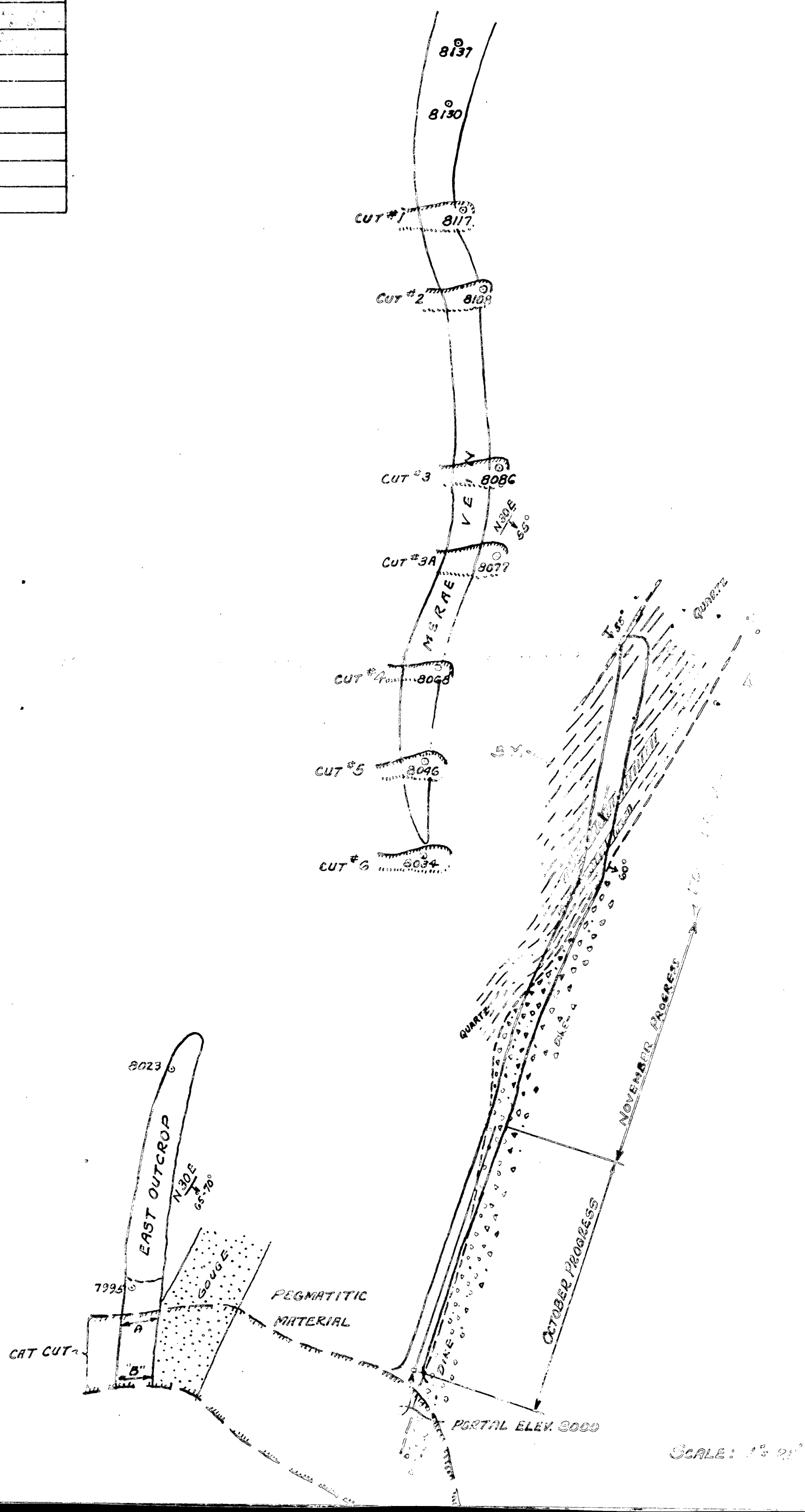
[1] Prorate supervisory, engineering, and office salaries in proportion to man-shifts of direct labor.
[2] Prorate charges for equipment that is not exclusively for one type of job (such as compressors) against authorized units of work in each category.
[3] Where entries in the "Other" column (above) 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

McRAE TUNGSTEN CORPORATION — STIBNITE, IDAHO.

PROGRESS REPORT FOR DEC. 1951

SAMPLE RECORD				
No.	Elev.	Length	% WO_3	Other
"A"	7990	72"	0.24	
"B"	7986	66"	0.35	
[illegible]		[illegible]	[illegible]	[illegible]
[illegible]			[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	



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 133

864 NOV

Name of Operator McRae Tungsten Corp.
Docket No. DMA 864
Total Contract Amount $ 20,351.00
Government Participation: 75% % Amount, $ 15,263.25
Distribution of Expenditures for Month of November 1951

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

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

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

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

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

CERTIFICATION

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

McRae Tungsten Corp.
(Name of Company)

By Robert J. McRae
(Signature of Authorized Official)

Dec. 12, 1951
(Date)

President
(Title)

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

16—64068-3

MONTHLY SUMMARY COST STATEMENT

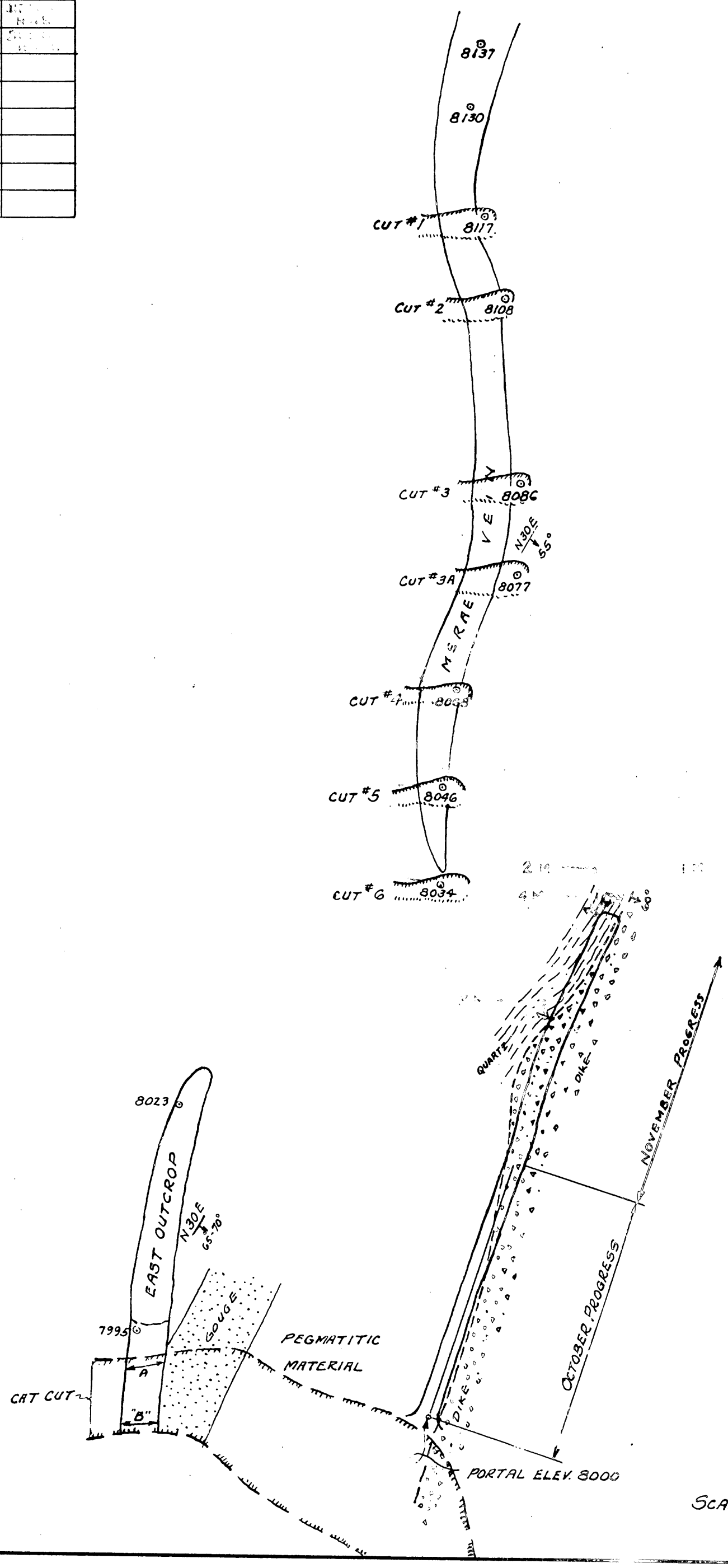
List as Shown on Exhibits Attached to Contract

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		786.42	786.42			
(c) Fixtures						
2. Operating Equipment:						
(a) Purchased[1]		3254.79	3254.79			
(b) Rented[2]		650.00	650.00			
(c) Furnished by operator						
3. Rehabilitation and Repairs:						
(a) Facilities						
(b) Buildings						
(c) Installations						

McRAE TUNGSTEN CORPORATION

PROGRESS REPORT FOR [illegible] 195__

SAMPLE RECORD				
No.	Elev.	Length	% WO_3	Other
"A"	7990	72"	0.24	
"B"	7986	66"	0.35	
[illegible]		[illegible]		[illegible]
[illegible]		[illegible]		[illegible]
[illegible]		[illegible]		[illegible]
[illegible]		[illegible]		[illegible]



PROGRESS REPORT FOR NOVEMBER 1951

During the month a total of 54.75 shifts were worked. The drift was advanced 52.1 feet. Twenty five feet of the 52.1 were timbered. The dacite dike turned slightly to the east and the tunnel is entirely in dike from 50 feet to the 80 foot mark. The east wall of the dike cut back into the drift at 80 feet. A quartz vein was against the dike when it cut back into the drift. The dike-vein contact angled across the drift until at 100 feet the contact was on the west wall of the drift and the face was entirely in quartz.

Some scheelite and hubnerite show up in the quartz along the drift. At 100 feet the face was sampled for 42 inches in width. This is sample 1 M. Sample 2 M represents the best 18 inch section on the east side of the drift or it represents the best section in 1 M. Sample 3 M is a 36 inch drill hole into the vein at 85 feet. Sample 4 M is cuttings from a 48 inch drill hole drilled east into the quartz vein at the face. The drill hole appeared to be still in quartz at 48 inches. This 48 inches plus the 5 feet of vein in the face indicated a total width of at least 9 feet of quartz.

The four samples are in for assay and will be reported on the next report. For general information only the pulps were plaqued and the following estimate made of their WO_3 content:

1 M	0.60% WO_3
2 M	1.40% "
3 M	0.25% "
4 M	0.15% "

The drift is being turned slightly to the east so as to gradually cross the vein to the foot wall side. This will do away with any further timbering as the vein is hard.

The showing as of Dec. 1 is encouraging. It will be at about 130 feet that we will be under the good ore showing in surface cuts 4 and 5. By January 1 the drift should be into the oreshoot as exposed on the surface. Another visit is planned for about Januaryl, 1952.

PROGRESS REPORT FOR NOVEMBER 1951

During the month a total of 94.75 cubic yards were removed. The drift advanced 52.7 feet. Twenty five feet of the 52.7 were timbered. The design dike turned slightly to the east and the tunnel is entirely in dike from 50 feet to the 80 foot mark. The east wall of the dike cut back into the drift at 50 feet. A quartz vein was exposed in the dike which is cut back into the drift. The dike-vein contact angles across the drift until at 100 feet the contact was on the west wall of the drift and the face was entirely in quartz.

Some galenite and azurite also occur in the quartz along the drift. At 100 feet the face was sampled for 12 inches in width. This is sample 1 M. Sample 2 M represents the best 12 inch section on the east side of the drift or is representative the best section in 1 M. Sample 3 M is a 36 inch drill hole into the vein at 55 feet. Sample 4 M is assayings from a 48 inch drill hole drilled east into the quartz vein at the face. The drill hole generated from drill in quartz at 48 inches. This 48 inches (the 3 feet of vein in the face indicated a total width of at least 8 feet of quartz.

The four samples are in for assay and will be reported on the next report. The general information only the points were planned and the following estimate made of their contents:

1 M	0.80% WO3
2 M	1.40% "
3 M	0.95% "
4 M	0.15% "

The drift is being turned slightly to the east so as to gradually cross the vein to the foot wall side. This will do away with any further timbering on the vein in back.

The showing as of Dec. 1 is encouraging. It will be at about 150 feet that we will be under the good ore showing in the surface pits 4 and 5. By January 1 the drift should be into the orebody as exposed on the surface. Another visit is planned for about January, 1952.

U. S. BUREAU OF MINES
RECEIVED
DEC

MONTHLY [illegible]RY COST STATEMENT—Conti[illegible]d

Item	Monthly	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]	784.25	1529.43	2313.68			
5. Supervision	90.00	165.00	255.00			
6. Supplies						
(a) Timber						
(b) Explosives		590.61	590.61			
(c) Repair Parts	#(40.00)	110.00	70.00			
(d) Other	6.14	1403.08	1409.22			
7. Power						
8. Transportation		167.42	167.42			
9. Insurance						
(a) Fire						
(b) Public Liability						
(c) Workmen's Compensation	44.15	50.85	95.00			
10. Contract Work						
11. Other (specify)						
Social Security & Security Tax	36.72	75.76	112.48			
Telephone and Tel.	18.53	14.01	32.54			
Total	939.79	8797.37	9737.16			
Deletions						
Adjusted totals						
Totals previously reported	8797.37					
Totals to date	9737.16	8797.37	9737.16			

[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 Thomas E Howard
Amount approved for payment
Remarks

16—64068-3

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

(Supply Data Below Applicable Only to Your Operations)

Item	Costs					Progress [4]				
	Wages [1] and salaries	Equipment [2]	Supplies	Other [3]	Total	Unit	Units this month	Units previously reported	Units to date	Units authorized by contract (Exhibit A)
	874.25		6.14	59.40	939.79	Ft.	52.1	48	100.1	300.0
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation										
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails										
Test pits										
Other (specify)										
Totals	874.25		6.14	59.40	939.79	Ft.	52.1	48	100.1	300.0

[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

Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

D. O. Vou. No. _____
Bu. Vou. No. DMA-61

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Department of the Interior, Bureau of Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon 12/7/51
(Give place and date)

THE UNITED STATES, Dr.,

To McRae Tungsten Corporation
(Payee)

Address Stibnite, Idaho

Payee's Account No. Idm-E133

PAID BY
(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	October 1951	Per attached certified Form MF-104 dated November 10, 1951				791	03

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 791 03

(Payee must NOT use this space)
Differences _____
Account verified; correct for 791 03
(Signature or initials) _____

Contract No. IDM-E 133 Date 9/5/51 Req. No. _____ Date _____ Invoice Rec'd _____

791.03

MEMORANDUM

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	791.03	791.03

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ } on Treasurer of the United States in favor of payee named above.
{ Cash, $_____, on _____, 19____, Payee _____ (Sign original only)

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

Per _____
Title _____

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.
2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with _____
5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

MF-104
(April 1951)

Budget Bureau No. 42-R1036.
Approval expires 6-30-51.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

Oct '51

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.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 10 1952

CERTIFICATION

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

McRAE TUNGSTEN CORPORATION
(Name of Company)

By /S/ Robert J. McRae
(Signature of Authorized Official)

November 10, 1951
(Date)

President
(Title)

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

16—64068-1

MONTHLY SUMMARY COST STATEMENT

Name of operator McRAE TUNGSTEN CORP!
Project No. DMA 864
Total contract amount $20,351.00
Government participation percent 75 percent

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	753.20	941.23 ~~941.57~~	1694.43 ~~1694.77~~			
Equipment purchase [1]	14.79	3240.00	3254.79			
Equipment rental [2]		650.00	650.00			
Buildings		786.42	786.42			
Explosives		590.61	590.61			
Repair parts	110.00		110.00			
Other supplies	106.71	1296.37	1403.08			
Power						
Transportation		167.42	167.42			
Withholding taxes	33.39	42.37	75.76			
Compensation insurance	22.60	28.25	50.85			
Other insurance						
Contract work						
Other (specify) Telephone	14.01		14.01			
Total	1054.70	7742.67 ~~7743.01~~	8797.37 ~~8797.71~~			
Totals previously reported	7742.67 ~~7743.01~~					
Totals to date	8797.37 ~~8797.71~~	7742.67 ~~7743.01~~	8797.37 ~~8797.71~~			

FOR GOVERNMENT USE ONLY

Checked by /S/ W. R. Lee
Entered by
Approved by /S/ Glenn C. Reed
Amount approved for payment $791.03
Remarks

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

16—64068-1

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF October 1951

Name of operator McRAE TUNGSTEN CORP.
Project No. DMA 864
Total contract amount $20,351.00
Government participation percent 75 percent

Type	Number	Man-Shifts	Rate	Total
Miners	2	49.2	$ 12.107	$ 595.70
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent	1 Part Time		90.00/mo.	90.00
Engineers				
Geologists				
Bookkeeper	1 Part time		67.50/Mo.	67.50
Foreman				
Clerks				
Stenographers				
Other				
Total	2	49.2		753.20

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/ Glenn C. Reed
Remarks

16—64068-1

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF October 1951

Name of operator McRAE TUNGSTEN CORP.
Project No. DMA 864
Total contract amount $20,351.00
Government participation, percent 75 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	753.20	14.79	106.71	180.00	1054.70	Ft.	48	0	48	300
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	753.20	14.79	106.71	180.00	1054.70					

[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/ Glenn C. Reed
Remarks

NARRATIVE REPORT FOR OCTOBER 1951

HORSE TUNGSTEN CORP. DMA--864

Actual underground work was started about October 5th. There was still considerable work necessary to get ready for deep snow and winter.

The road closed on October 1st and then opened again from October 8th to 12th. It closed permanently on October 15th. The snow was 30 inches deep at the property on October 31st.

The drift was started at elevation 8000 feet. The west wall of the drift is formed by the large dacite dike. The bearing of the tunnel is S.18 W.. It is timbered to the face which was 48 feet on October 31st. The granitic material along the dike is soft and has two gouge zones 12 inches wide, one against the dike, and one about 6 feet east of the dike. The gouges and dike dip about 70 east and strike N.16 W.. At 20 feet the dike began to crowd over into the drift. At 48 feet almost the entire face was in hard dacite dike. It was decided to drift in the dike, as it drills and breaks well, and will not need to be timbered.

The granitic material and the dike both contain low values of scheelite. An assay of the dike, at 26 feet, gave 0.04% WO3. It should be 75 to 80 feet further before the end of the ore shoot will be encountered.

RJM/os

U. S. BUREAU OF MINES
RECEIVED
NOV 13 1951
ALBANY, OREGON

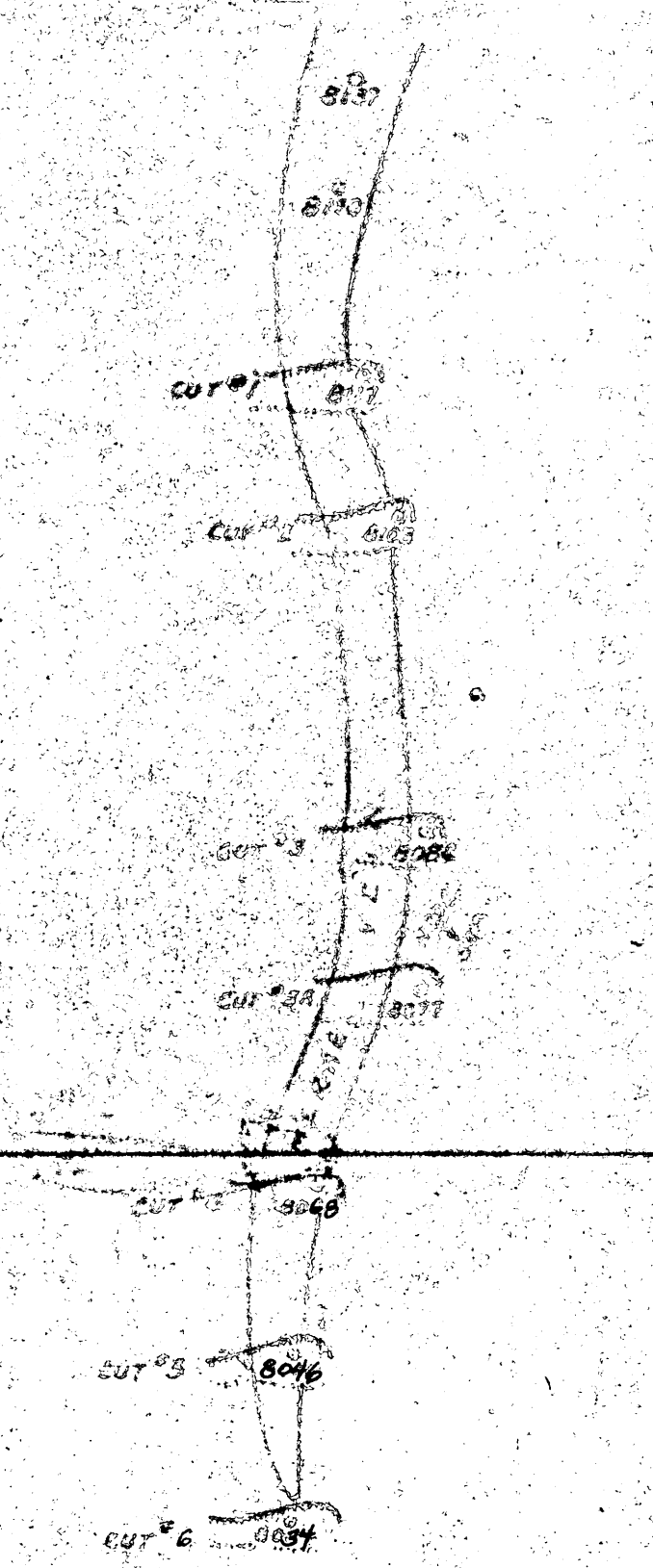
McRAE TUNGSTEN CORPORATION

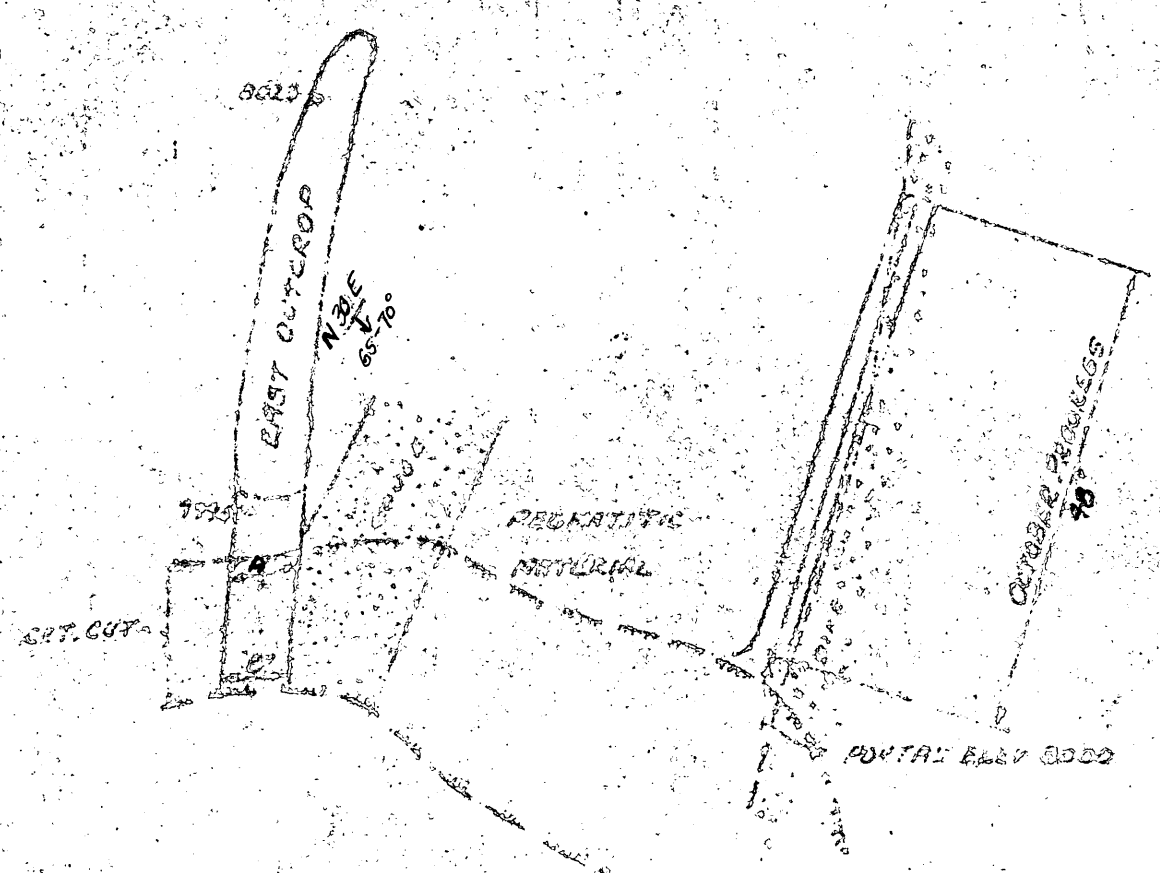
PROGRESS REPORT FOR _____ 195__

SAMPLE RECORD

7990	5'	.24	
7986	6'	0.35	

U. S. BUREAU OF MINES
RECEIVED
NOV 1 9 1951
PORTLAND, OREGON





Standard Form No. 1034a—Rev.
Form approved by
Comptroller General, U. S.
May 26, 1938
(Amended August 15, 1941)

PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL

COPY

D. O. Vou. No. _____
Bu. Vou. No. DMA-31

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of $_____
Comptroller General of the United States
By _____

U. S. Dept. of the Interior, Bureau of Mines
(Department, bureau, or establishment)

Voucher prepared at Albany, Oregon - October 18, 1951
(Give place and date)

THE UNITED STATES, Dr.,

To McRae Tungsten Corp.,
(Payee)

Address Stibnite, Idaho

Payee's Account No. _____

PAID BY
(For use of Paying Office)

No. and Date of Order	Date of Delivery or Service	Articles or Services (Enter description, item number of contract or general supply schedule, and other information deemed necessary) Terms _____% Discount Cash _____ days	Quantity	UNIT PRICE Cost	UNIT PRICE Per	AMOUNT Dollars	AMOUNT Cts.
		Brought forward from continuation sheet(s)					
	9/5-30/51	Per attached certified form MF-104, dtd 10/6/51				5,807	00

Shipped from _____ to _____ Weight _____ Government B/L No. _____ Total 5,807 00

(Payee must NOT use this space)
Differences _____
Account verified; correct for 5,807 00
(Signature or initials) _____

Contract No. Idm-E133 Date 9/5/51 Req. No. _____ Date _____ Invoice Rec'd _____

5,807.00

MEMORANDUM

ACCOUNTING CLASSIFICATION (for completion by Administrative Office)

Appropriation, limitation, or project symbol	Appropriation title	Limit'n or Proj't Amount	Appropriation Amount
14X4401	Revolving Fund, Defense Production Act, Interior	5,807.00	5,807.00

Allotment symbol	Amount	Obligations liquidated	COST ACCOUNT Symbol	COST ACCOUNT Amount	OBJECTIVE CLASSIFICATION Symbol	OBJECTIVE CLASSIFICATION Amount

Paid by { Check No. _____ dated _____, 19____, for $_____ } on Treasurer of the United States in favor of payee named above.
{ Cash, $_____, on _____, 19____, Payee _____ }
(Sign original only)

Per _____
Title _____

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.
† If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the blank space below "Approved for $_____", and over his official title.

16—22900a-1

METHOD OF OR ABSENCE OF ADVERTISING

(Section 3709 of the Revised Statutes)

1. After advertising in newspapers.
2. (*a*) After advertising by circular letters sent to _____ dealers.

   (*b*) And by notices posted in public places.

   (If notices were not posted in addition to advertising by circular letters sent to dealers, explanation of such omission must be made. The notation on the certificate on the face of the voucher must be "2(*a*)(*b*)" or "2(*a*)", depending on whether or not notices were posted.)

3. Without advertising, under an exigency of the service which existed prior to the order and would not admit of the delay incident to advertising.
4. Without advertising in accordance with _____
5. Without advertising, it being impracticable to secure competition because of _____

_____

_____

_____

_____

(Here state in detail the nature of the exigency or circumstances under which the securing of competition was impracticable under 3 and 4)

NOTE.—The above form "Method of or Absence of Advertising" is to be used when purchases are made or services secured under proper authority without written agreement in any form. In case of a written agreement (formal contract, proposal, and acceptance, or less formal agreement) Standard Form No. 1036—Revised should be used for abstracting the method of or absence of advertising and award of contract. (See General Regulations No. 51, Supplement No. 6, General Accounting Office, Aug. 20, 1930.)

U. S. GOVERNMENT PRINTING OFFICE: 1946 O-88934

16—22900-1

31

ME-104
(August 1951)
April

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Contract No.
Idm-E

Name of Operator McRae Tungsten Corporation
Docket No. DMA 864
Total Contract Amount $ 20,351.00
Government Participation: 75 % Amount $
Distribution of Expenditures for Month of September, 1951

Sept 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.

Defense Minerals Administration
RECEIVED
MAR 10 1952

CERTIFICATION

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

/S/ McRae Tungsten Corp.
(Name of Company)

By /S/ Robert J. McRae
(Signature of Authorized Official)

October 6, 1951
(Date)

President
(Title)

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

16--64068-3

MONTHLY SUMMARY COST STATEMENT

List as Shown on Exhibits Attached to Contract

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

MONTHLY SUMMARY COST STATEM

Distribution of Expenditures for Month of September, 1951

Item	Monthly Total 941.23	Totals Previously Reported	Totals to Date
Wages and salaries	~~941.57~~	none	~~941.57~~ 941.23
Equipment purchase	3240.00	none	3240.00
Equipment rental	650.00	none	650.00
Buildings	786.42	none	786.42
Explosives	590.61	none	590.61
Repair parts			
Other supplies	1296.37	none	1296.37
Power			
Transportation (freight)	167.42	none	167.42
Withholding taxes S.S. taxes	42.37	none	42.37
Compensation insurance	28.25	none	28.25
Other insurance			
Contract work			
Other (specify)			
TOTAL	~~7743.01~~ 7743.67		~~7743.01~~ 7743.67
Totals previously reported	none		
Totals to date	~~7743.01~~ 7743.67		~~7743.01~~ 7743.67

DISTRIBUTION OF WAGES AND SALARIES FOR MONTH OF September, 1951

Type	Number	Man-Shifts	Rate	Total
Miners	3	64	12.656	~~809.32~~ 809.12
Muckers				
Trammers				
Timbermen				
Pumpmen				
Hoistmen				
Surface				
Samplers				
Assayers				
Shift bosses				
Mechanics				
Electricians				
Blacksmiths				
Carpenters				
Drill runners				
Drill helpers				
Teamsters				
Manager				
Superintendent 25/30 mo.	part-time		90.00/mo.	$75.00
Engineers				
Geologists				
Bookkeeper 25/30 mo.	part-time		67.50/mo.	$56.25
Foreman				
Clerks				
Stenographers				
Other				
TOTAL				~~$941.57~~ 941.23

MONTHLY SUMMARY COST STATEMENT—Continued

Item	Monthly Total	Totals Previously Reported	Totals to Date	For Government Use Only		
				Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(*d*) Fixtures						
4. Labor [3]						
5. 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						
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 .....

Amount approved for payment .....

Remarks .....

.....

.....

16—64068-3

EXPLORATION UNIT COST AND PROGRESS REPORT FOR MONTH OF September, 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	299.58	3240.00	1886.98	42.89	5469.45	Ft.	None	None	None	300
Crosscutting										
Raising						Ft.	"	"	"	120
Shafts										
Winzes										
Drill holes										
Overburden										
Rehabilitation and preparation	525.79		408.42	534.44	1468.65					
Geology and geophysics										
Trenching										
Sampling and assaying										
Roads and trails			100.00							
Test pits			550.00							
Other (specify) Camp fuel	116.20			38.71	154.91					
Totals	941.57	3890.00	2295.40	616.04	7743.01					

[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

OPERATORS MONTHLY REPORT

DMA 864
TUNGSTEN

On Sept. 6th, active work was started on the project with 3 men. All needed materials and equipment had previously been located. In view of the short season free of snowevery effort was made to provide a camp, shop, and move in all necessary supplies for the winter's work. After October 20th, it is likely the roads willl close and any further supplies would have to be dropped for an airplane.

By Sept. 15, the suitable quarters had been moved in and erected. This consisted of a cabin with a total floor dimension of 14x32 feet. This was purchased as a portable unit. Nu-wood lining was installed and this housing unit is ample and comfortable.

By Sept. 25, a shop 16x16 feet had been erected near the portal site. This building also houses the portable compressor.

By Sept. 30th all supplies for the first 6 months of the project had been delivered and stored. In addition the dump track had been erected for snow shedding at the portal of the drift.

During the time the above work was in progress a TD 18 International bulldozer was engaged at $12.50 per hour. The road improvement listed under Exhibit A (6) was completed in 9 hours. The cat had considerable difficulty getting down to the area where cat Cuts Nos. 1, 2, 3, and 4 were to be done. It soon became apparent that cat work in this area would be very slow and expensive. The cat operator refused to attempt work at Cut No 1, due to steep slope and large boulders. Cat Cut No 2 was attempted first as it would provide the portal site. Digging was extremely difficult and was hampered by boulders imbedded in soft gouge. In order to get the portal site cleared and get any information, the Cut was extended across the north extension of the East Vein (See accompanying Map). In other words, cat Cut No 2 was extended and did almost the same exploration as indicated for cat Cut No 3. As indicated, two samples were taken where the Cut No 2 crossed the north extension of the East Vein. These will be reported when returns are available. Cat Cut No 4 was attempted but so little progress would be made that it was abandoned. Actual development work by cat was very discouraging, as the extremely large boulders imbedded in soft muck made an almost impossible cat job. It now appears that two short (100 Ft) diamond drill holes would have been more practical and informative.

The contact between pegmatite and diorite as exposed by cat Cut No 2 strikes S 35 W. This contact is the same one that contains ore in Cut No 5. While it was proposed to follow this contact, it is obvious that it must turn southward soon. The direction of the drift will be about S 10 W for the first 100 feet, and it is believed the contact will be picked up within this distance.

Actual drifting should be underway by October 10th.

Robert J. McRae

MCKIM TUNGSTEN CORP.
DMA 864

EXPLANATION OF
UNIT COST AND PROGRESS REPORT FOR SEPT. 1951

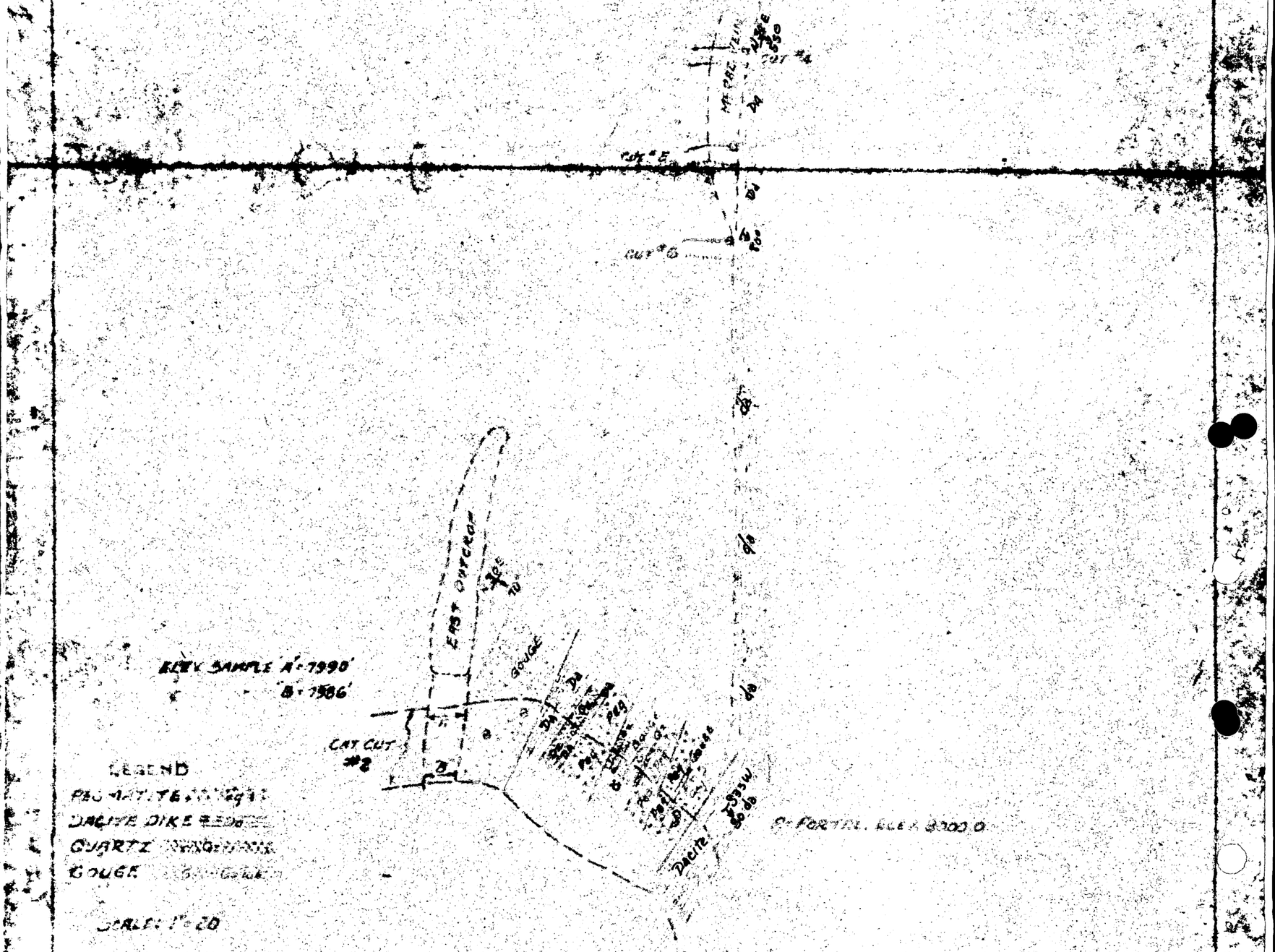
On this project nearly all of the supplies and material must be purchased and moved to the property before October 10. The roads can be expected to close with snow anytime after that date. They will open naturally about July 15th.

Opposite the item "Drifting" under Equipment is listed the purchase price of our Portable Compressor, $2700.00 F.O.B. mine, and a Jackhammer and Jackleg, $540.00. This is authorized under Exhibit A (4). On the same line under "Supplies" are listed all the supplies, tools, etc., necessary for the first 9 months of the project. This is authorized under Exhibit A (1 and 2) of the contract. On the same line under "Wages and Salaries" is the cost of the actual man shifts with Supervision and Bookkeeping costs prorated.

Opposite the item Rehabilitation and Preparation are listed the costs of a house and shop-building. This is authorized under Exhibit A (5). A portable house section was purchased and set up at the mine. The amount shown under "Other", $534.44, is made up of purchase price of house, $400.00; freight, $95.00; and employer's payroll taxes and compensation insurance, $39.44.

Opposite Roads and Trails is listed the cost of repairing the road to the tunnel site. This is authorized under Exhibit A (6), Road Repair. It consisted of 8 hours of bulldozer work at $12.50 per hour.

Opposite item Test Pits is listed the cost of bulldozer work for exploration cuts as authorized under Exhibit A (3). This consisted of 44 hours of bulldozer work at $12.50 per hour or a total of $550.00.

Opposite Fuel for Camp under heading "Other" is listed $38.71 which is made up of $30.00 hauling charge and $8.71 payroll taxes and compensation insurance.

V-RAC TUNGSTEN CORPORATION
PROGRESS REPORT FOR 195