OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 22 1960

DATE	INITIALS	CODE

OFFICE OF MINERALS EXPLORATION

REGION III

Statement in Lieu of Interim Report of Certified Project

Reporting Period January 1, 1959 through February 26, 1960

Docket and Contract Number DMEA-4577, E1091 (Uranium)

Operator Metals Inc. (Skyline claims)
Natrona County, Wyoming

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

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

Remarks:

Charles S. Merrill states as noted above.

Signed H. M. Connors

H. M. CONNORS

Date March 17, 19

DMEA Form 18
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ANALYSIS OF SEMIANNUAL REPORT OF Pseudo CERTIFIED PROJECT

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

To: Statistics Branch (Code 210)

From: Division of Rare and Miscellaneous Metals

Report Period 7/1/58-12/31/58

DMEA No.	Operator	Contract No.
4577	Metals, Inc.	Idm-E1091

ORE ESTIMATES

	Tons	Analysis
DMEA	None	
Operator to date		
Total		
Production to date		
Ore in ground		

INVESTMENT None

Type	Size		Feet	Cost
Shafts				
Winzes				
Drifts and Crosscuts				
Raises				
Drilling	Type			
Rehabilitation	Description			

FACILITIES

Mine Plant		
Mill		
Roads		

REMARKS

Prepared by Michael Chung Date 4

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 9 1959

DATE	INITIALS	CODE
4-9	C	220
"	HJ	110
4/10	CEF	800
"	Ching	700

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

April 6, 1959

Memorandum

To: Chairman, Operating Committee, OME

From: Executive Officer, OME Field Team, Region III

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

DMEA Docket 4577 (Uranium & Selenium)
Contract Idm-E 1091
Metals, Inc.
Natrona County, Wyoming

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

J. W. Townsend

J. W. Townsend

Enclosures
HMC/ff

cc: Semiannual Report File Idm-E 1091
Harshman
Marshall
Chron.

OME, REGION III

Statement in Lieu of Semiannual Report

Reporting Period	July 1, 1958 through December 31, 1958
Docket and Contract Number	DMEA 4577 Contract Idm-E1091 (Uranium & Selenium)
Operator	Metals, Inc. - Natrona County, Wyoming

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

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

Remarks:

1. Property inspected 3-26-59
2. No activity at property during reporting period. The AEC has received no indication that the property may be further, explored, developed or exploited.
3. The reported Skyline production in question was from the Skyline mine on Ridge No. 1 claim in sec. 25; about 1 mile north of the DMEA subordinated land.

Signed M. M. Marshall

Date 3-30-59

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

September 24, 1965

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Mr. and Mrs. Joe Wentz
c/o 173 Main
Lander, Wyoming

Re: DMEA-4577 (Uranium and Selenium)
Metals, Inc.
Skyline Claims
Natrona County, Wyoming
Contract Idm-E1091

Dear Mr. and Mrs. Wentz:

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,

Frank E. Johnson

Frank E. Johnson
Chief, Office of
Minerals Exploration

R-III
cy memo 10/6/65

MME Form 63
Revised 7-65

DMEA-4577
Idm-E1091

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since **October 1964**, 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 **October 1964**, 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 ☐

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

Disposition of Material	Quantity	Value
_____	_____	_____

Submitted by:

Name _____ Title _____

Address _____ Date _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
WASHINGTON, D.C. 20240

OFFICIAL BUSINESS

GEOLOGICAL SURVEY

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF THE INTERIOR

Return Receipt Requested

OCT 1 - 1965

moved left no address
GT-1

REGISTERED
NO. 500137

RETURNED TO SENDER
Unclaimed
Unknown
Refused
Insufficient address
Moved, left no address
No such office in state
Illegible or no address

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Mr. and Mrs. Joe Wentz
c/o ~~173~~ Main
~~Lander,~~ Wyoming

Return Receipt Requested

40

USPO SEP 23 1965 WASHINGTON, D.C.
LANDER OCT 1 1965 WYO.
LANDER WYO. 1965 OCT 4 PM 3 LANDER DIV.
WASHINGTON, D. C. REG. DIV. SEP 23 1965 US

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

September 21, 1964

Re: DMEA-4577 (Uranium and Selenium)
Metals, Inc.
Skyline Claims
Natrona County, Wyoming
Contract Idm-E1091

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Mr. and Mrs. Joe Wentz
c/o Farmers Supply Co.
Lander, Wyoming

Dear Mr. and Mrs. Wentz:

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,

George C. Selfridge

George C. Selfridge, Chief
Division of Exploration Operations

#1-INSTRUCTIONS TO DELIVERING EMPLOYEE
☐ Deliver ONLY to addressee
☐ Show address where delivered
(Additional charges required for these services)
RETURN RECEIPT
Received the numbered article described on other side.
SIGNATURE OR NAME OF ADDRESSEE (must always be filled in)
Mrs Joe Wentz
SIGNATURE OF ADDRESSEE'S AGENT, IF ANY
DATE DELIVERED
OCT 5 1964
ADDRESS WHERE DELIVERED (only if requested in item #1)
C55—16—71548-4 GPO

OFFICIAL FILE COPY
O. M. E
RECEIVED OCT 8 1964

DATE	INITIALS	CODE
10/9		800
		100
10/9		110
10/9		120
		120
		330

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since August 1963, 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 August 1963, 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 Mr & Mrs Joe (Helen F) Wentz Title Owners-Title free & clear

Address c/o 173 Main Lander, Wyo. Date oct 5-1964

note; metals Inc. out of this property since 1959 by default. no A.E.C. allotment - assessment work kept up - no mining done because of illnesses - very good mining property.

HFW

POSTMASTER: PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, $300

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

July 11, 1963

Re: DMEA-4577 (Uranium and Selenium)
Metals, Inc.
Skyline Claims
Natrona County, Wyoming
Contract Idm-E1091

Mr. and Mrs. Joe Wentz
Box 902
Riverton, Wyoming

Dear Mr. and Mrs. Wentz:

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,

W. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E
RECEIVED AUG 29 1963

DATE	INITIALS	CODE
8/30		800
8/30		100
		120
8/30	Murphy	500
		200

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since July 2, 1959, 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 ☐

Property reverted back to Helen F. Wentz from Metals Inc. by default.

2. Since July 2, 1959, has there been any production from the land subject to the contract? Yes ☐ No ☒

Just keeping up assessment work at present.

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 Joe & Helen F. Wentz Title Owner

Address c/o Farmers Supply Co. Lander, Wyo. Date Aug 23, 1963.

4511

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

April 16, 1963

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Re: DMEA-4577 (Uranium and Selenium)
Metals, Inc.
Skyline Claims
Natrona County, Wyoming
Contract Idm-E1091

Mr. and Mrs. Joe Wentz

Casper, Wyoming

Dear Mr. and Mrs. Wentz:

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,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since **July 2, 1959**, 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 **July 2, 1959**, 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 _____ Title _____

Address _____ Date _____

4511

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

April 16, 1963

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Re: DMEA-4577 (Uranium and Selenium)
Metals, Inc.
Skyline Claims
Natrona County, Wyoming
Contract Idm-E1091

Mr. and Mrs. Joe Wentz

Casper, Wyoming

Dear Mr. and Mrs. Wentz:

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,

W. R. Griswold

W. R. Griswold, Chief
Division of Minerals

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since **July 2, 1959**, 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 **July 2, 1959**, 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 _____ Title _____

Address _____ Date _____

4511

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

OFFICIAL BUSINESS

4577

RETURNED TO WRITER
REASON CHECKED
Unclaimed ..... Refused ✓
Addressee unknown .....
Insufficient Address .....
No such street ..... number .....
No such office in state .....
Do not re-mail in this envelope

REGISTERED

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF THE INTERIOR

SECRETARY'S MAIL CENTER
APR 23 1962

1st Notice 4-20-62
2nd Notice
Return

REGISTERED NO. 598028

Mr. and Mrs. Joe Wentz

Casper, Wyoming

Not in Directory.

REGISTERED MAIL
RETURN RECEIPT REQUESTED

RETURN RECEIPT REQUESTED

15

D. C.

FINAL DISTRIBUTION
MADE NOV 27 1957

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III
224 New Custom House, Denver 2, Colorado

Administrative Audit Difference Statement

Metals, Inc.
670 South State Street
Salt Lake City, Utah

Date: November 20, 1957
Payee's Reference: September 1957

DMEA-4577

Gentlemen:

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

Amount Claimed	$	4,199.57
Difference	$	463.27
Amount Approved	$	3,736.30

The reason for the difference was due to:

Disallowance:

1.	Reported cost 3,799 ft drilling at a total of	3,375.75	
	Actual cost, 3,699 ft. drilling @ $0.87/ft.	3,218.13	
	Disallowance		157.62
2.	Reported cost of 143 ft excess drilling @ .87/ft.		124.41
3.	Incidental allowance, reported 3,799ft. @ .18	683.82	
	Incidental allowance, acceptable footage 3,556 ft @ .18	640.08	
			43.74
4.	11 hrs bulldozing @ $12.50 per hour.		137.50
	Total amount to be disallowed.		463.27

Withhold $500.00 pending resumption of work under the contract.

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

Very sincerely yours,

N. E. Stokes
Audit Section

ORIGINAL FILE COPY
DMEA
RECEIVED NOV 29 1957

DATE	INITIALS	CODE
11/29	gt	220
"	[illegible]	110
12/2	[illegible]	700

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

224 New Customhouse
Denver 2 Colorado
November 22, 1957

Memorandum

To: T. A. Christensen

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

Subject: Docket DMEA 4577 (Uranium and Selenium) Contract Idm-E1091, Metals, Inc., (Skyline claims) Fremont County, Wyoming. Operator's Monthly Progress Report, for the month of September, 1957

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

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Bids were not submitted for bulldozer work; however, the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

Except as otherwise indicated below, we consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended on the following basis contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

<u>Disallowance, Drilling Costs:</u>

1. The Operator, through arithmetical error, has reported a total of 3,799 feet of drilling at total cost of $3,375.75. The drill logs and drilling invoice show only 3,699 feet of drilling at a total cost of $3,218.13. The excess cost is to be disallowed, is as follows:

Reported cost, 3,799 feet of drilling
at cost of----------$3,375.75
Actual cost, 3,699 feet of drilling
at $0.87 feet---------- 3,218.13
Disallowance----------$ 157.62

2. Three of the "long" holes drilled during September, 1957, penetrated more than the allowable 10 feet below the lower contact of the Wind River formation. The reported cost for the excess footage is to be disallowed as follows:

Hole	Total Depth	Base of Wind River	Allow. foot. below Wind River	Total Allow. footage	Excess footage
50	120	107	10	117	3
56	204	106	10	116	88
78	150	88	10	98	52

Excess footage drilled---------- 143

Disallow reported cost for 143 feet of drilling
at $0.87 per foot---------- 124.41

Disallowance, Incidental Allowance

Incidental Allowance reported, 3,799 feet
at $0.18---------- 683.82
Incidental Allowance for acceptable footage,
3,556 feet at $0.18 per foot---------- 640.08

Amount to be disallowed---------- 43.74

Disallowance, Bulldozing Costs

The contract provides for a total of 24 hours of bulldozing under Stage I, 23.8 hours of which was reported on a previous Voucher, leaving only 0.2 hours available. The Operator has reported the cost of 11.2 hours of bulldozing on the September, 1957 Voucher, an excess of 11 hours which is to be disallowed.

Amount to be disallowed, 11 hours of bulldozing
at $12.50 per hour---------- 137.50

Total amount to be disallowed---------- 463.27

Withhold an amount of $500.00 from reimbursement to the Operator, pending resumption of work under the contract. If the work is not resumed, continue to withhold the amount of $500.00 pending resolution of matters which are prerequisite to closing the account.

Reconciliation with Amount Reported by the Operator on Form MF-104 for September, 1957

Amount reported on Form MF-104 for September, 1957	$4,199.57
Amount to be disallowed	463.27
Acceptable cost for September, 1957	3,736.30
Government participation at 75 percent	2,802.23
Amount to be withheld	500.00
Balance due the Operator	$2,302.23

Note: Form MF-104A has not been properly completed. The Operator will be informed of the discrepancies and requested to make the necessary adjustments in conjunction with the next report submitted.

Remarks:

Date of Report	October 25, 1957
Date Received in Field Office	November 8, 1957
Date Received in Region Office	November 20, 1957

Original signed by
E. N. HARSHMAN
E. N. Harshman

Enclosures

JDC:hmh

cc: Chmn. Op. Comm. (2))
IMEA, DFC) w/complete report
MF-104 file, Reg. III)
Harshman) w/copy of
Townsend) Engr's report
Chron

DMEA
DEPARTMENT OF THE INTERIOR

REGION III

Memorandum

NOV 20 1957
REGION III
DENVER, COLORADO

Building 20
Denver Federal Center
Denver 2, Colorado
November 19, 1957

To: Executive Officer, DMEA Field Team

From: E. O. Binyon

Subject: Docket DMEA 4577 (Uranium and selenium), Contract Idm-E1091 Metals, Inc., (Skyline claims) Fremont County, Wyoming--- Progress report for September 1957.

A field inspection of the work completed during the month of September was made November 13, 1957. No work was in progress and no one was at the property at the time of the inspection.

The 25 holes reported by the operator were found and were located approximately as shown on the map accompanying the report. The total depth and depth to the Cody shale in most of the holes and including holes 50, 56, and 78, were checked and corresponded to the depths by the operator. Most of the 150 feet holes have been drilled from 24 to 100 feet into the Cody shale.

In the narrative report the depths of the deep holes, holes No. 50, 56, and 78 are given as 120, 204, and 150 feet respectively, and the depths to the Cody shale from the logs are 107 in hole 50, 106 in hole 56, and 88 feet in hole 78. The excess drilling into the Cody shale is given below.

Claim	Hole No.	Depth Feet	Depth to Cody	Feet Over-drilled into Cody	Footage Allowed
Skyline 7 (D-7)	50	120	107	3	117
" 15 (D-15)	56	204	106	88	116
" 11 (D-11)	78	150	88	52	98
Totals				143	331

Total footage in remaining 22 holes---------- 3,225
Total footage for payment---------- 3,556
Total footage claimed- 3,699
Less footage disallowed- 143

Total footage for payment. 3,556

In checking the operator's narrative reports only four copies of the lithologic logs and radiometric results for holes No. 16, 17, 18, 20,

and 21 were submitted.

A check of the MF-104 and MF-104A shows the total drilling footage to be 100 feet over the total as reported in the narrative report. A letter from the consulting geologist points out this error. On the MF-104A the operator has entered a claim of $140.00 for standby time claiming 14 hours at $10.00 per hour. The entry under "Units to date" is 10 hours. On the MF-104 the $140.00 is entered opposite Bulldozing hours., and has been added to the previous charge for bulldozing. The documentation is for 11.2hours of bulldozing at $12.50 per hour or a total of $140.00 from the same company that did the bulldozer work claimed in the July 25 - August 25 report.

Assuming that the documentation and entry on the MF-104 is correct, the claim is 11 hours over the 24 hours allowed under the Contract. Therefore, the amount claimed for the bulldozing is reduced by $137.50 and $2.50 is allowed.

The corrected amounts for drilling, bulldozing, and incidental allowance, with the correct totals are as follows:

Drilling footage claimed, 3,799 ft. at $0.87 per ft. =		$3,305.13	(Note $3,375.75 on MF-104)
Less 100 feet at $0.87 overcharge	$87.00		
Less 143 feet at $0.87 disallowed	$121.41		
		211.41	
Total amount for drilling 3,556 ft. at $0.87 per ft. =			$ 3,093.72
Bulldozer claimed 11.2 hrs. at $12.50 hr.	$140.00		
Bulldozer disallowed 11 hrs at $12.50 hr.	137.50		
Total amount for payment of bulldozing =			2.50
Standby time	----		----
Incidental allowance claimed			
3,799 ft. at $0.18 per ft.	$ 683.82		
Less 100 feet at $0.18 per ft. overcharge = $18.00			
Less 143 feet at $0.18 per ft. disallowance= $25.74			
Total deduction	43.74		
Total amount for incidental allowance =			640.08
Corrected total amount for payment=			$ 3,736.30

The charges for drilling and bulldozer work are properly documented. and the work with the exceptions noted above was done in conformance with the Contract terms.

It is recommended that the operator be paid $2,802.23, the Government share at 75% of $3,736.30, which is the corrected amount

claimed for payment. As the operator has apparently recessed operations, it is suggested that $500.00 be withheld pending resumption of the work under the Contract.

E O Benyon

E. O. Binyon
Mining Engineer

EOB:ss
cc: 6 w/orig
Idm-Kiogi
Chron

Form Rmo8 (Rev.)

RECEIVED NOV 29 1957 D.M.E.A.

Budget Bureau No. 42-R1036.5

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

Month of September, 1957 Docket No. DMEA 4577 Contract No. Idm-E1091

Operator's Name Metals, Inc. Minerals Uranium

Address 680 South State St., Salt Lake City, Utah Selenium

Contract Amount, $ 31,732.00 Government Participation: 75 % Amount, $ 23,799.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contractors:						
Drilling ft. ?	3375.75	3675.75	7051.50 ?			
Bulldozing hr.	140.00	297.50	437.50			
~~Crosscutting~~ Standby hr.	0.00	60.00	60.00			
~~Mining~~ Incid. Allow.	683.82	760.50	1444.32			
Analyses	0.00	0.00	0.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS ?	4199.57	4793.75	8993.32 ?	3736.30	4793.75	8530.05
				466.20	466.20	466.20
				4327.55		8063.85
				$2302.23		

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

Date 10/25/57 *Payee Metals Inc

Per [signature] 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.

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

Signature [signature] (Authorized Certifying Officer)

Date 11/26/57 Voucher No. DMA 58-65

(See other side)

Note: Withheld 500.00 (Instructions on reverse)

Previously Disallowed

(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. DMA-E1091 in accordance with the terms of the contract.

Signature E. O. Bunyan (# 2802.23) Title Mining Engineer Date November 15, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature E. M. Stanbaugh Title acting Executive Officer Date NOV 22 1957

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED
OCT 29 1957
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of Septemaber 1957 Docket No. DMEA 4577 Contract No. Idm-E1091

Operator's Name Metals, Inc. Minerals Uranium, Selenium

Address 670 South State St., Salt Lake City, Utah

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
Drilling: Non-core drill	ft.	3305.13	3799	6980.88	8024	.87	15500	0.87
Crosscutting: Standby	hr.	140.00	14	140.00	10	10.00	24	10.00
Raising: Incid. Allow.	ft.	683.82	3799	683.82	8024	.18	15500	0.18
Shafts: Analyses U3O8	Spl.	0.00	0	0.00	0		100	3.50
Winze: Analyses Se	Spl.	0.00	0	0.00	0		50	10.00
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs								Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		4128.95		4128.95				

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 10/25/57 Operator Metals Inc.

Per [signature] 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)

Corrections on this report:

Operator's Corrected footage 3699 Total "Units to date" 7924

Cost this month $3218.13

Standby time $140.00 "Units this month" none and "Cost this month" none

"Units to date" 6 "Cost to date" $60.00

Bull Dog Crew .2 hrs @ $12.50 /hr 2.50

"Cost to date" $300.00 "Units to date" 24 hr

Total 3886.45

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 872894

STATEMENT

FROM M. M. MERRILL & ASSOCIATES
1975 East Millbrook Drive
Salt Lake City, Utah September 1 19 57

TO METALS, INC.

ADDRESS 670 South State St.

CITY Salt Lake City, Utah

RE: Drill Work, Skyline Claims (DMEA Contract)
Sec. 35, T34N, R89W, Natrona County, Wyoming

Jul26-Aug31	Hole No.	Footage	Hole No.	Footage
Rig No. 1	39	150	8 *	165
	40	150	9	150
	41	150	10	150
	32	150	11	150
	33	150	12	150
	34	150	13	150
	1	150	14	150
	2	150	15	150
	3	150	25 *	240
	4 *	150	26	150
	5 *	240	28	270
	6	150	47 *	310
	7	150	Total	4225

4225 feet @ .87 = $3,675.75

NOTE: All 400 foot holes which were not drilled to that depth were abandoned after getting into the Cody Shale required depth.

* Cody Shale

STATEMENT

FROM M. M. MERRILL & ASSOCIATES

1975 East Millbrook Drive

Salt Lake City, Utah October 1 19 57

TO METALS, INC.

ADDRESS 670 South State St.

CITY Salt Lake City, Utah

RE: Drill Work, Skyline Claims (DMEA Contract)
~~XXX~~ Sec. 35, T34N, R89W, Natrona County, Wyoming

Sept 57	Hole No.	Footage		Hole No.	Footage
Rig No. 1	42	150		63	150
	48	150		54	150
	49	150		80 *	75
	50 *	120	Rig No. 3	20	150
	51	150		21 *	150
	57	150		22	150
	58	150		23	150
	60	150		24	150
	59	150		78	150
	61	150		16	150
	67 *	150		17	150
Rig No. 2	35	150		18	150
	56	204		Total	3699

3699 ft. @ .87 = $3,218.13.

NOTE: All 400 foot holes which were not drilled to that depth were abandoned after getting into the Cody Shale required depth.

* Cody Shale

RECEIVED
SEP 29 1957
D.M.E.A.

WHITE EXCAVATING COMPANY
Thermopolis
Wyoming

TO: Metals, Inc.
670 South State St.
Salt Lake City, Utah

Bulldozing on the Skyline Claims, Section 35, T34N, R89W, Natrona County, Wyoming, under the DMEA Contract.

To September 1, 1957

$297.50 23 8/10 hrs @ $12.50 per hour

WHITE EXCAVATING COMPANY
Thermopolis
Wyoming

TO: Metals, Inc.
670 South State St.
Salt Lake City, Utah

Bulldozing on the Skyline Claims, Section 35, T34N, R89W, Natrona County, Wyoming, under the DMEA Contract.

For September, 1957

$140.00 11 2/10 hrs @ $12.50 per hour

RECEIVED
NOV 20 1957
D.M.E.A.

DMEA
DEPARTMENT OF THE INTERIOR
OCT 28 1957
REGION III
DENVER, COLORADO

DMEA
DEPARTMENT OF THE INTERIOR
NOV 20 1957
REGION III
DENVER, COLORADO

PROGRESS REPORT NO. 2

Metals Inc., Skyline Claims
Section 35, T34N, R89W
Natrona County, Wyoming
September 1957
DMEA Docket 4577, Idm E-1091

By Ken Mc Griffin
Consulting Geologist-Geophysical
Engineer

PROGRESS REPORT NO. 2

September 1957

Twenty-five rotary drill holes were completed for a total of 3799 feet during September 1957. Twenty-eight other holes totaling 767 feet were drilled to depths less than the 150 foot prescribed. These holes were not completed because of caving, unconsolidated ground.

The same procedures in the logging of holes was followed as for those holes covered in the August 1957 report. The data is presented in the same manner excepting that more complete radiation data from each hole has been added to individual log sheets. Similar data not supplied for the holes covered in the August report is compiled on separate sheets and added to this report.

Holes completed during September with depths and claim located on are as follows:

Drill Hole No.	Depth	Claim	Drill Hole No.	Depth	Claim
#16	150	D-1	#51	150	D-7
17	150	D-1	54	150	D-14
18	150	D-2	56	204	D-15
20	150	D-3	57	150	D-5
21	150	D-4	58	150	D-10
22	150	D-9	59	150	D-11
23	150	D-9	60	150	D-11
24	150	D-1	61	150	D-12
35	150	D-7	63	150	D-13
42	150	D-7	67	150	D-10
48	150	D-5	78	150	D-11
49	150	D-6	80	75	D-17
50	120	D-7	25		

Holes drilled but not completed, with depths:

DH No.	Depth	DH No.	Depth	DH No.	Depth	DH No.	Depth
#19	30	#38	13	#64	22	#73	16
27	40	43	16	65	30	74	24
29	30	44	16	66	80	75	20
30	60	45	16	68	40	77	30
31	10	52	26	69	16	79	44
36	30	53	16	70	16	82	16
37	30	55	20	72	36	81	24
						28	

In general the radioactivity recorded with the Babbel probe unit over most of the holes can be considered as of background, or slightly above, magnitude. Nineteen of the holes had short intervals or peaks of .04% eU and two holes, DH 21 and DH 67, had peak readings of .05% eU. The peaks appear to be associated with thin clay units in the conglomerate. There were no intersections which can be considered of particular interest or promise such as might warrant additional offset holes.

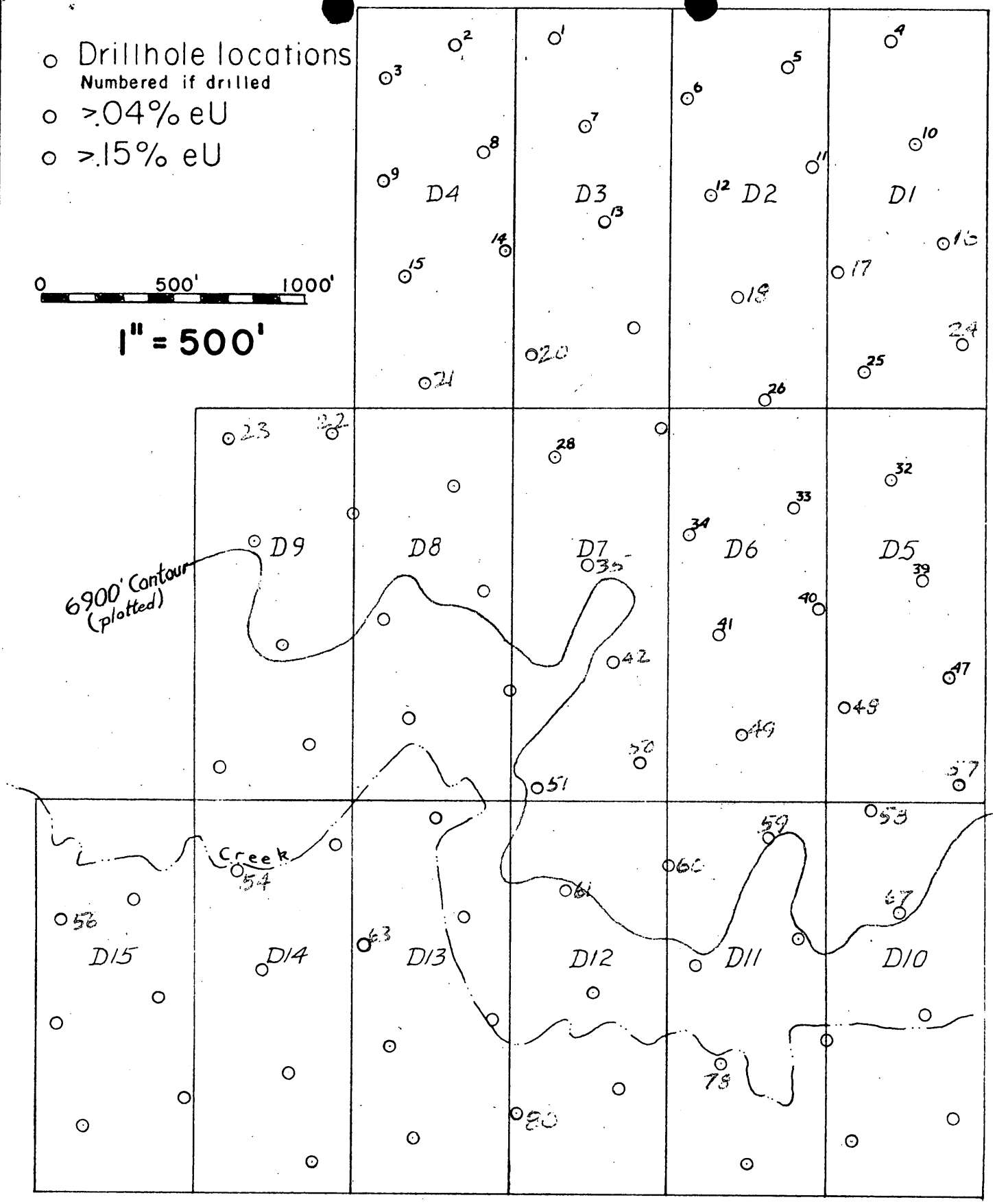
The Cody shale occurs at depths of 50-80 feet in the holes completed in the southern and western part of the property. The overlying beds here are almost wholly sandstones and conglomerates. It can be assumed that this area was a high at the time the uranium bearing sediments were laid down. Thick intersections of clay were made in holes drilled in the northern and eastern part of the property, eg. holes No. 16, 17, and 18 of this report. The clay thickness is about 40 feet in DH 16 and decrease to about 20 feet in thickness at DH 18 800 feet to the southwest. A line drawn northwest across the property from DH 57 separates the hole with prominent clay intersections on the northeast from those of low clay content on the southwest. If the clays are vital to the emplacement of uranium, then roughly two-thirds of the claims lie outside favorable ground.

Much of the difficulty in drilling those holes listed as incomplete was due to this lack of clay or cementing material in the sands and conglomerates which predominate to the southwest. These rocks lack cementation of any kind and are generally devoid of finer clay material to bind the mass. Bentonite clay was used in an effort to prevent these holes caving, but this was of small help.

It is planned to continue drilling on the prescribed reconnaisance pattern until this phase is completed. Since most of the holes remaining are in the region of poorly cemented and consolidated rocks, casing may be required if the holes are to be completed to 150 feet. This, of course, will raise the cost of drilling.

Ken Mc Griffin
Consulting Geologist-Geophysical
Engineer

October 15, 1957



DRILL HOLE MAP

METALS INC. SKYLINE CLAIMS

Section 35, T34N, R89W, Natrona County, Wyoming

DMEA Docket 4577

PROJECT METALS INC SKYLINE CLAIMS. Sect. 3 T34N, R89W
Natrona County, Wyoming DMEA Docket 4577, Idm E-1091

DRILL HOLE 16 DEPTH 150 ELEV _____ DATE DRILLED 9-23-57
LOCATION _____ INCLIN Vert DATE LOGGED " "

SUMMARY OF RESULTS Traces of Ra up to .04 eU detected with Babbel probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Ss. lf bf-br. fg-mg. some pebbles.
10			
			Ss. lt gy. arkosic. grades from mg at top to cg at base.
44			Same as above but br with fe oxide
46			
			Clay. gy. slightly sandy and pebbly. uniform over interval.
80			
			Clay-ss. gy. similar in appearance to above but more sand and pebbles.
126			Ss. gy. fg, uniform texture. minor clay
134			Ss. bf. similar to above
142			Ss simialr to 134-142 above.
150	TD		

Babbel probe readings

0-20	.02-.03
20-26	.02-.04
26-46	.02
46-60	.02-.03
60-69	.02-.04
69-90	.02
90-92	.02-.04
92-150	.01-.02

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 17 DEPTH 150 ELEV _____ DATE DRILLED 9-23-57
LOCATION _____ INCLIN Vert DATE LOGGED 9-24-57
SUMMARY OF RESULTS Traces of Ra up to .04% eU detected with Babbel probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
8			Ss-cgl. arkosic. lt gy. cgl minor. slight fe oxide on frags.
24			Ss. arkoisc. lt gry. mg-cg, uniform texture
31			Ss-cgl. lt gy-bf. arkosic. much wh feldspar
46			Ss-cgl. br. similar to above.
76			Clay. gy-gn. increasing sand content with depth.
90			Ss. gy. vfg to clayey.
150	TD		Ss. gy with thin bf stringers. fg-pebbly. considerable clay intermixed.

Babbel probe readings

0-3	.02-.03
3-6	.02-.04
6-36	.01-.02
36-43	.02
43-87	.01-.02
87-89	.04
89-93	.02-.03
93-105	.01-.03
107	.04 peak
105-150	.01-.02

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35 T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 18 DEPTH 150 ELEV _____ DATE DRILLED 9-24-57

LOCATION _____ INCLIN Vert DATE LOGGED 9-24-57

SUMMARY OF RESULTS Traces of Ra detected with Babbel probe

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Ss. bf-br. arkosic. fg at top to cg-pebbly phases at bottom
25			
			Clay. gy. heavy, minor pebbles and sand. thin fe oxide seams
46			
			Ss. gy fg-pebbly. considerable gy clay
66			
			Ss. gy. arkosic. vcg, uniform texture.
76			
			Ss. gy. cg at top grades uniformly to vfg-clayey at base.
140			
			Ss-clay. gy. ss/clay=50/50
150	TD		

	Babbel probe readings
0-7	.03-.04
7-58	.01-.03
58-60	.03
60-72	.02
72-75	.01-.03
75-150	.01-.02

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W
Natrona County, Wyoming DMEA Docket 4577, Idm E-1091
DRILL HOLE 20 DEPTH 150 ELEV _____ DATE DRILLED 9-26-57
LOCATION _____ INCLIN Vert DATE LOGGED 9-27-57
SUMMARY OF RESULTS Minor traces of Ra detected with Babbel probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Ss. arkosic. wh. grades from fg to pebbly at base.
17			
			Ss. gy-bf. arkosic. variable texture.
30			
			Ss. wh-lt gy. arkoisc. uniform gradation fron fg to vcg at base.
58			
			Ss. bf. arkoisc. mg-vcg.
82			
			Ss. bf. fg, unifrom texture.
90			
			Ss. gy. ng, slightly pebbly and gritty.
118			
			Ss- gy-bf. fg, uniform texture. very loose
122			
			Cody shale-ss. grades from about 90% ss at top to 10% ss at base. Ss gy, mg-cg.
132			
			Cody shale-ss. intermixed. slightly pebbly.
150	TD		
			Babbel probe readings
			0-150 nil-.02

PROJECT METALS INC SKYLINE CLAIMS. Sect. 35, 4N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 21 DEPTH 150 ELEV _____ DATE DRILLED 9-5-57
LOCATION _____ INCLIN Vert DATE LOGGED " "
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.
.05 eU peak at 23'

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			Ss. arkosic. buff. fg-vcg, slightly pebbly.
10			
			Arkose. lt gy. vcg, small gy qtz pebbles. lt gn clay stringers at base.
18			
			Ss. arkosic. buff-lt br. fg-mg, uniform text.
28			
			Cgl-Ss. lt br. granitic, some bk schist pebbles. Ss predominates toward base.
48			Ss. lt buff-gy. fg, uniform texture.
52			
			Ss-cgl. lt buff-gy. arkosic, some gy qtz pebbles.
66			
			Ss with interbedded shale. cg arkosic ss. gn shale dominant at base.
90			Ss. gy-buff. fg, uniform text.
94			
			Ss. arkosic. gy. fg-vcg. minor intermixed gn clay.
109			
			Cody shale.
150	TD		

Babbel probe
Gamma log

0-7	.02-.03
7-12	.02-.04
12-22	.02-.03
22-25	.02-.05 peak at 23'
25-80	.02-.04
80-141	.01-.02
141-150	nil

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Locket 4577, Idm E-1091

DRILL HOLE 22 DEPTH 150 ELEV _____ DATE DRILLED 9-4-57
LOCATION _____ INCLIN Vert DATE LOGGED " "
SUMMARY OF RESULTS Traces of Ra detected with Babbel.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
8			Ss. arkosic. lt buff-br. mg-cg, uniform text.
12			Ss. arkosic and quartz. lt gy-purplish. mg-cg.
			Ss-cgl. arkosic. br. varying texture and coloration. fe oxide stain in clay seams.
36			
44			Similar to above, with interbedded gn clay.
52			SS-cgl. arkosic. br. minor gn clay.
62			Ss-cgl-clay. br to gn color. ss is arkosic. granitic and schist pebbles, gn clay.
66			Ss. arkosic. gy. mg-cg, uniform texture.
			Ss. arkosic. vcg to pebbly. interbedded gn clay.
85			
			Ss. similar to above but has Cody shale stringers.
100			
			Cody shale.
150	TD		

	Babbel probe Gamma log
0-49	.02-.04
49-72	.02
72-74	.02-.03
74-150	.01-.02

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091
DRILL HOLE 23 DEPTH 150 ELEV _____ DATE DRILLED 9-4-57
LOCATION _____ INCLIN Vert DATE LOGGED " "
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.
Hole had to be redrilled

GRAPHIC	eU	chU	DESCRIPTION Drill hole cuttings
8			Ss. arkosic. wh. mg-cg, uniform texture. minor lt gy-gn clay.
			Ss-cgl. 80/20. buff-br. mainly granitic, some schist.
38			Similar to above but with some lt gn clay.
44			Ss. arkosic. buff. cg to pebbly. dk grey shale at base.
66			Ss. arkosic. buff. fg, uniform texture
70			Ss-cgl. arkosic. gy. granite and quartzite? frags, minor dk gy clay.
83			Cody shale. interbedded with gy arkosic Ss, may be contaminant from above.
100			Cody shale.
150	TD		

	Babbel probe Gamma log
0-13	.01-03
13-32	.02
33½	.04
32-56	.01-.03
56-69	.02-.03
69-78	.01-.02
78-80	.02-.03
80-98	.01-.02
98-99	.02-.03
99-150	.01-.02

PROJECT METALS I[illegible]. SKYLINE CLAIMS. Sect. [illegible] T34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 24 DEPTH 150 ELEV _____ DATE DRILLED 9-22-57
LOCATION _____ INCLIN Vert DATE LOGGED 9-23-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
12			Cgl-shale. bf. shale is lt gy,sandy. cgl frags fe oxide stained
			Ss. lt bf-gy. grades uniformly from vfg at top to cg arkosic at base.
40			
			Ss. br. mg-cg, uniform texture.
50			
			Ss. gy. fg to pebbly. minor gy clay.
90			
			Ss-clay. similar to above but clay 50%
114			
120			Ss. bf. fg,uniform texture. gy clay may be contaminant from above.
			Ss. gy. very similar to 90-114 interval. some pebbles.
150	TD		

Babbel probe readings

0-24	.01-.03
23½	.04 peak
24-36	.01-.03
36-38	nil
38-69	.01-.03
69-96	.01-.02
96-150	.01-.02

PROJECT METALS IN[illegible] SKYLINE CLAIMS. Sect. 3[illegible] T34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 35 DEPTH 150 ELEV _____ DATE DRILLED 8-31-57

LOCATION _____ INCLIN Vert DATE LOGGED 9-1-57

SUMMARY OF RESULTS Traces of Ka detected with Babbel probe. Had to rewash hole to probe.

GRAPHIC	eU	chU	DESCRIPTION Drill hole cuttings
0			Ss-cgl. br. mainly granitic debris, some dk schist and quartz frags. Ss is gy, fe oxide on granitc debris.
26			Ss. gy. fg-cg to pebbly. arkosic
34			Similar to 0-26 interval, with distinct sandy phases 4'-6' thick.
60			Ss. arkoisc. gy with greenish tinge. cg to pebbly. much wh kaolinized feldspar chips.
			Minor Cody shale stringers
110			Cody shale.
150	TD		

	Babbel probe Gamma log
0-65	.01-.02
65-83	nil-.01
83-87	.02
87-97	.01
97-98	.02
98-132	nil-.01
132-150	nil

PROJECT METALS INC SKYLINE CLAIMS. Sect. 35, 35N, R89W.
Natrona County, Wyoming. DMEA Docket, Idm E-1091

DRILL HOLE 42 DEPTH 150 ELEV _____ DATE DRILLED 8-31-57
LOCATION _____ INCLIN Vert DATE LOGGED " "
SUMMARY OF RESULTS Traces of ka detected with Babbel probe.
Had to reswab hole to probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
8			Ss. arkosic, variable texture. wh shale, bk quartz, Cody?shale frags. some gn clay.
23			Ss. br. cg to cgl. granitic debris. fe stain and small gossan frags. minor pyrite.
36			Ss-cgl. buff-br. much dk schist and schisty granite? frags. dk opaline quartz and gy qtz frags.
42			Ss. br. variable texture. much fe oxide frags.
61			Ss. arkosic. gy with greenish tinge. variable texture. up to 50% of rock is gn interbedded? clay.
72			Cody shale with ss similar to above.
150	TD		

Cody shale

Babbel probe
Gamma log

0-6	.02
6-12	.01
12-22	.01-.02
22-25	.02-.03
25-52	.01
52-56	.02
56-80	.01-.02
80-128	.01-.02
128-150	nil-.01

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 48 DEPTH 150 ELEV _____ DATE DRILLED 9-2-57

LOCATION _____ INCLIN Vert DATE LOGGED " "

SUMMARY OF RESULTS traces Ra detected with Babbel probe. See gamma log below.

GRAPHIC	eU	chU	DESCRIPTION Drill Hole cuttings
10			Ss. dirty br. variable texture. thin hard well cemented stringers.
32			Arkose. wh. fg-cg. fe oxide in clayey seams in upper part. ss coarser at base.
56			Ss. arkosic. buff-gy. cg to pebbly. much wh qtz and granite frags.
78			Cgl-ss. gy-buff. much quartzite and schist frags.
107			Cgl-ss. similar to above. gy. considerable interbedded gy-gn clay at base.
150	TD		Cody shale.

	Babbel probe Gamma log
0-9	.01-.02
9-16	.01-.03
16-40	nil-.02
40-42	.02-.04
42-46	.01
46-47	.03
47-49	.01-.02
49-57	nil-.01
57-99	.01-.02
99-101	.02-.03
101-121	.01-.02
121-128	nil
128-142	.01-.02
142-150	.01

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 49 DEPTH 150' ELEV _____ DATE DRILLED 8-31-57

LOCATION _____ INCLIN Vert DATE LOGGED 9-1-57

SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.
Had to rewash hole to probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
6			Arkose-cgl. wh-lt buff. some pyrite, fe oxide.
			Similar to above, gy-gn. fe oxide stain.
12			Mudstone. gy
20			Ss-cgl. gy-bf. arkosic. rounded gy qtz pebbles
26			Similar to above. br. rounded quartzite and bk opaline qtz frags
40			Similar to above. gy-bf color
64			Cgl-ss. arkosic. some schist and quartzite uniform composition over interval. pyrite?
126			Cody shale and interbedded ss
132			Cody shale
150	TD		

Babbel probe
Gamma log

0-3	.04
3-15	.01-.03
15-19	.01
19-30	.01-.02
30-39	.01
39-42	nil
42-54	.01-.02
54-60	.01
60-82	.02
82-150	.01-.02

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W. Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 50 DEPTH 120 ELEV _____ DATE DRILLED 9-2-57

LOCATION _____ INCLIN Vert. DATE LOGGED 9-3-57

SUMMARY OF RESULTS Traces of Ra up to .04% eU detected with Babbel probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Ss-cgl. br. granite and schist frags, much fe-oxide stain
10			Ss. arkosic. vfg-fg. some fe oxide stain
18			Ss. br. variable texture. pebbly.
22			Ss. arkosic. fg. some granite frags
28			Ss. br. variable texture. minor pebbles
32			Ss-cgl. gy. lt granite and schist frags
40			Ss. gy. fg-mg, uniform texture. loose. Some frags of wh qtz and granite.
47			Ss-cgl. gy. wh granite and qtz, some dk schist. minor fe oxide stain.
60			Ss-cgl similar to above. some gn shale and dk schist frags.
70			Similar to above, about 20% gn clay
82			Ss. br. gn clay seams. fe oxide stain
84			Ss-clay-cgl interbedded. wh feldspar, qtz and dk schist frags
92			Similar to above but mainly ss-clay.
107			Cody shale
120	TD		

Babbel probe readings	
0-5	.02
5-11	.02-.04
11-29	.02-.03
29-33	.02-.04
33-48	.02-.03
48-52	.03-.04
52-63	.02-.03
63-67	.02
67-150	.02-.03

PROJECT METALS IN[illegible] SKYLINE CLAIMS. Sect. 3[illegible] T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 51 DEPTH 150 ELEV _____ DATE DRILLED 9-3-57

LOCATION _____ INCLIN Vert DATE LOGGED " "

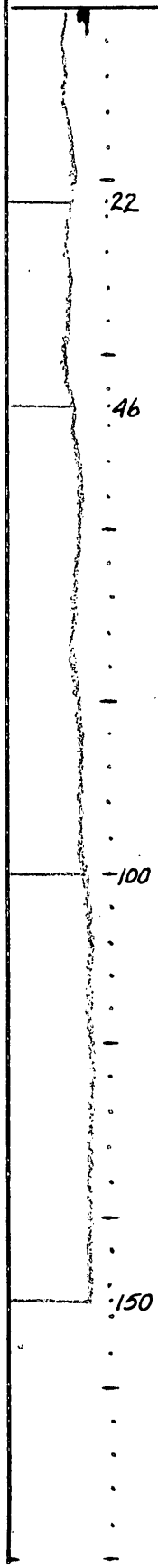
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe; .04% eU detected at several points to depth of 62'

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
6			Ss. arkosic. dirty gy-br. fg-mg, uniform texture
			Ss. arkosic. bf-br.fg-vcg, mcuh fe oxide stain
20			
			Ss. arkosic. lt gy-bf. mg-cg, very uniform texture.
50			
			Ss-cgl. gy. vcg to pebbly.
70			
			Cgl-ss. gy. pebbly. cgl/ss=70/30
80			
			Cgl-ss. similar to above, with Cody? shale intermixed
96			
			Cody shale. sandy
130			
			Cody shale
150	TD		

	Babbel probe Gamma log
0-53	.02.04
53-59	.02
59-62	.02-.04
62-128	.02-.03
128-136	.01
136-150	.01-.02

PROJECT METALS IN[illegible] SKYLINE CLAIMS. Sect. 35[illegible] T34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 54 DEPTH 150 ELEV _____ DATE DRILLED 9-16-57
LOCATION _____ INCLIN Vert DATE LOGGED " "
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Ss. arkosic. br-gy, speckled. fg-cg, pebbly phases. ss loosely cemented
			Ss. arkosic. gy-bf. fg-mg, uniform texture. loose
			Ss. gy. cg to pebbly, intermixed with Cody shale. Cody content increases with depth.
			Cody shale. sandy.
	TD		

	Babbel probe Gamma log
0-45	.01-.02
45-57	.01-.03
57-65	.01-.02
65-68	.03
68-74	.02
74-100	.02-.04
100-128	.02-.03
128-150	.01-.03

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 56 DEPTH 204 ELEV _____ DATE DRILLED 9-11-57

LOCATION _____ INCLIN Vert DATE LOGGED " "

SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.
Had to rewash hole to probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Cgl-ss. dirty br. pebbly cgl
12			
			Ss. bf-br. fg-mg, uniform texture. few pebbles of rounded quartz
37			
			Ss. gy, arkosic. fg-mg. much wh feldspar chips. sooty carbon at 48-56. Ss becomes darker and finer grained with depth. at 96' appears to be mixture of Cody and ss.
96			
			Codyshale. ss mixture. dk metal gy. vfg ss, arkosic.
126			
			Cody shale. sandy. dk pp-gy. has cg arkosic sand.
			Babbel probe Gamma log 0-156 nil 156-204 nil-.01
204 TD			

PROJECT METALS IN[illegible] SKYLINE CLAIMS. Sect 35, [illegible]34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 57 DEPTH 150 ELEV _____ DATE DRILLED 9-4-57
LOCATION _____ INCLIN Vert DATE LOGGED " "
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.
.04% eU peaks at several points to 99'

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Ss. dirty br. variable texture, pebbly
15			Clay. lt gy, sandy. minor fe oxide seams. grades into sandy material at base
22			Ss. arkosic. gy-bf. fg-cg, some pebbles.
32			Ss-pebble cgl interbedded. gy-bf. wh feldspar and gy qtz frags/
54			Ss. gy fg, uniform texture. arkosic
57			Ss-cgl. gy. granitic mainly.
82			Ss, similar to above but with Cody shale perhaps interbedded.
102			
			Codyshale.
150	TD		

	Babbel probe Gamma log.
0-13	.01-.02
13-18	.02-.03
18-36	.01-.02
36-37	.04 peak
37-43	.01-.02
43-45	.02-.04
45-62	.01-.02
62-66	.02-.03
66-82½	.01-.02
82½-83½	.04
83½-89½	.01-.03
89½-90½	nil
90½-94	.01-.02
94-150	nil-.01

PROJECT METALS IN[illegible] SKYLINE CLAIMS. Sect. 3[illegible] T34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 58 DEPTH 150' ELEV _____ DATE DRILLED 9-4-57
LOCATION _____ INCLIN Vert DATE LOGGED " "
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Arkose. lt bf. fg-mg. minor lt pp shale frags and fe oxide
16			
			Similar to above. br, more pebbly, heavy fe oxide stain.
32			
			Ss. gy. variable testure. Some lt gy shale and dk schist frags. base 6' has fe oxide stain.
46			
			Ss-cgl. gy-bf. granitic, dk schist and qtz frags. minor fe oxide stain
61			
			Ss. gy. arkosic. mg-cg, uniform texture, much wh felspar.
94			
			Cody shale, with gy arkosic ss, may be contaminant
120			
			Cody shale
150	TD		

	Babbel probe Gamma log
0-13	.02
13-18	.01-.02
18-21	.02-.04
21-44	.02-.03
44-47	.02-.04
47-55	.01-.02
55-59	.01
60½	peak .03
59-115	.01-.02
115-150	mil-.02

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 30, T34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 59 DEPTH 150 ELEV _____ DATE DRILLED 9-4-57

LOCATION _____ INCLIN Vert DATE LOGGED " "

SUMMARY OF RESULTS Traces of Ra detected with Babbel probe. .04% eU at 91' and 9-14'

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
6			Arkose. gy. fg-mg, uniform texture
12			Cgl-ss. arkosic. gy, considerable gy qtz, some bk opal or schist
			Arkose. gy, variable texture, pebbly. slight fe oxide 12-20'
24			
			Ss-cgl. arkosic. gy. minor bk schist.
36			
			Cgl-ss. granitic with much qtz and schist, some bk opaline qtz. minor fe oxide on granite frags. Gy color overall
60			
			Ss. gy, arkosic. mg-cg, uniform texture. much wh feldspar.
76			
80			Cgl. gy. granitic mainly
			Ss.arkosic. gy. fg-mg, uniform texture. minor qtz pebbles.
94			
			Ss, similar to above but with some Cody shale frags.
103			
			Cody shale
150	TD		

	Babbel probe Gamma log
0-9	.02
9-14	.02-.04 peak
14-90	.01-.02
90-92	nil to .04 peak at 91'
92-102	nil-.02
102-150	nil-.01

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 3[illegible] T34N. R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091
DRILL HOLE 60 DEPTH 150 ELEV _____ DATE DRILLED 9-4-57
LOCATION _____ INCLIN Vert DATE LOGGED " "
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.
Several .04%eU peaks

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Ss. arkosic. lt bf-yl. fg to pebbly. small rounded gy qtz pebbles.
16			
			Ss-cgl. gy-br. minor fe oxide stain
36			
			Ss-cgl. simlar to above. br. has bk rounded schist and qtz pebbles
48			Ss-cgl simialr to above but gy
52			Ss-cgl with interbedded gn clay. minor fe oxide on frags.
66			
			Ss-cgl=80/20. gy with gn tinge. interbedded gn clay. pp-gy quartzite or granite frags in lower part.
109			
			Cody shale
150	TD		

Babbel probe
Gamma log

0-10	.02-.03
10-14	.04
14-32	.02-.04
32-57	.02-.03
37	.04 peak
57-91	.02
91-92	.02-.03
92-107	.01-.02
107-109	.02-.04
109-150	.01-.03

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091
DRILL HOLE 61 DEPTH 150 ELEV _____ DATE DRILLED 9-5-57
LOCATION _____ INCLIN Vert DATE LOGGED " "
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
11			Ss. gy. varible texture, pebbley. minor dk gy clay seams
			Cgl-ss. gy. granite, dk and lt gy qtz, quartzite, dk mica schist, some bk opaline qtz
58			
62			Ss. arkosic. gy. fg-mg, uniform texture. flakey wh felspar chips.
			Ss. gy. cg to pebbly. interbedded gy-gn clay about 15% of rock. much wh feldpar
83			
			Cody shale intermixed or interbedded with gy arkosic ss.
100			
150	TD		

		Babbel probe Gamma log
Cody shale.	0-20	.02
	20-26	.02-.04
	26-45	.02-.03
	45-56	.02-.04
	56-60	.02
	60-69	.02-.04
	69-77	.02
	77-79	.02-.03
	79-90	.02
	90-92	.02-.04
	92-105	.02
	105-110	.01-.02
	110-120	.02-.03
	120-128	.01-.03
	128-150	.01

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35 T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 63 DEPTH 150' ELEV. _____ DATE DRILLED 9-6-57

LOCATION _____ INCLIN Vert DATE LOGGED " "

SUMMARY OF RESULTS Traces of Ra detected with Babbel probe. Had to rewash hole to probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Ss. lt br. fg-mg, uniform texture
10			Ss. gy-br. arkosic. fg-mg
16			
			Ss. gy. arkosic. cg-pebbly. much wh feldspar chips. minor gy clay
44			
			Simlar to above, coarser.
65			
			Cody shale with intermixed vcg arkosic ss.
130	TD		
			Cody shale
150			

	Babbel probe Gamma log
0-7	.02-.04
7-10	.02
10-42	.01-.03
42-50	.01-.02
50-66	.01
66-107	.01-.02
107-113	.02
113-122	.01-.02
122-132	.02
132-150	.01-.02

PROJECT METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 67 DEPTH 150 ELEV _____ DATE DRILLED 9-6-57

LOCATION _____ INCLIN Vert DATE LOGGED " "

SUMMARY OF RESULTS Traces of Ra detected with Babbel probe. .05% eU peaks. Hole drilled with great difficulty

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
6			Ss. gy-br. fg, uniform texture
			Cgl-ss. granitic. much fe oxide on frags, some gossany. occassional pyrite. wh feldspar
22			
			Ss. bf. pebble at bottom to fg at top. lt gy clay stringers.
32			Cgl-ss. much fe oxide on frags. some gy clay
40			
			Cgl-ss, similar to above but no fe oxide.
50			
			Cgl. gy-lt gy. granite and qtz frags, some schist and large wh feldspar frags.
60			
			Cgl with interbedded clay. gy-lt gy.
70			Ss. arkosic. gy. fg-mg, uniform texture
74			Ss, similar to above but some Cody shale.
80			
			Cody shale
150	TD		

	Babbel probe Gamma log.	
0-11	.02-.04	
11-14	.02-.03	
14-19	.02-.04	
19-21	.03-.05	peak 21
21-42	.02-.04	
42-45	.02-.05	peak 42½
45-55	.02-.04	
55-93	.02-.03	
93-94	.02-.04	
94-103	.02	
103-106	.02-.03	
106-139	.01-.02	
139-150	nil	

PROJECT METALS IN[illegible] SKYLINE CLAIMS. Sect. 3[illegible] T34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 78 DEPTH 150 ELEV _____ DATE DRILLED 9-24,25-57
LOCATION _____ INCLIN Vert DATE LOGGED 9-26-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Cgl. br. granitic. fe stained frags
20			
			Ss. arkosic. gy. cg, uniform texture. minor pebbles
46			Ss-pebble cgl. dk gy. ss cg. dk clay intermixed may be cody shale.
60			
			Ss-cody shale intermixed.
88			
			Cody shale.
150	TD		

Babbel probe readings

0-7	.03-.04
7-14	.02-.03
14-17	.01-.02
17-20	nil
20-23	nil-.02
23-27	.01-.03
27-37	.01-.02
37-78	.01-[illegible]
78-84	.02
84-150	.01-.02

PROJECT METALS I[illegible], SKYLINE CLAIMS. Sect. 3[illegible], T34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 80 DEPTH 75 ELEV _____ DATE DRILLED 9-17-57
LOCATION _____ INCLIN Vert DATE LOGGED 9-18-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole cuttings
			Ss. br. arkosic. mg to pebbly
12			
			Ss. gy-br. arkosic. mg-cg, uniform texture
28			
			Ss. gy-br. mg-vcg with thin pebbly phases. some intermixed clay 48-64
65			
			Cody shale. some arkosic ss may be contaminant.
75	TD		

Babbel probe readings

0-12	.02-.03
12-24	.01-.02
24-30	.02-.03
30-64	.01-.03
64-68	.01-.02
68-75	.02-.03

DMA-58-64

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III
224 New Custom House, Denver 2, Colorado

FINAL DISTRIBUTION MADE NOV 25 1957

Administrative Audit Difference Statement

Metals, Inc.
670 South State Street
Salt Lake City, Utah

Date: November 22, 1957
Payee's Reference: July and August 1957

DMEA-4577

Gentlemen:

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

Amount Claimed	$	4,793.75
Difference	$	466.20
Amount Approved	$	4,327.55

The reason for the difference was due to:

Disallow:

444 ft excess non-core drilling @ $0.87 per foot	$386.20
Incidental allowance for 444 ft non-core drilling @ $0.18 per ft.	79.92
Total Amount to be disallowed.	$466.20

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DATE	INITIALS	CODE
11/27	gb	220
11	gb	110
		700

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

Very sincerely yours,

RRC

N. E. Stokes
Audit Section

Randel R. Cooper
Fiscal Officer, Region III

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

224 New Customhouse
Denver 2, Colorado
November 21, 1957

Memorandum

To: T. A. Christensen

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

Subject: Docket DMEA 4577 (Uranium and Selenium) Contract Idm-E1091, Metals, Inc., (Skyline claims) Fremont County, Wyoming, Operator's Monthly Progress Report for the period July 25-August 25, 1957

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

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Bids were not submitted for bulldozer work; however, the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

Except as otherwise indicated below, we consider that the Operator has complied with the intent of the contract, and the work for which payment is recommended is acceptable to the Government. Payment is recommended on the following basis contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Under Exhibit "A", Description of the Work, Stage I, of the Contract, the 11 solid black dots (Figure 5) represent holes that are to be drilled first, the maximum depth shall be 400 feet, and none of the holes shall extend more than 10 feet below the contact between the Wind River formation and the underlying Mesozoic and Paleozic rocks.

Several of the "long" holes have not been drilled; however, these holes are in an area of shallow Wind River sandstone, and the necessary geologic information has been furnished by other holes. Five of the long holes completed during the period penetrated more than 10 feet below the Wind River formation; therefore, the reported cost for the excess footage is to be disallowed as follows:

Hole No.	Total Depth	Base Wind River	Allowable Footage below Wind River	Total Allow. Footage	Excess Footage
5	240	220	10	230	10
8	165	140	10	150	15
25	240	150	10	160	80
28	270	90	10	100	170
47	310	131	10	141	169
	Total excess footage				444

Disallow:

Reported cost for 444 feet of non-core drilling at $0.87 per foot ---------- $ 386.28
Incidental Allowance for 444 feet of non-core drilling at $0.18 per foot ---------- 79.92
Total amount to be disallowed ---------- $ 466.20

Reconciliation with Amount Reported by the Operator on Form MF-104 for the period

Amount reported on Form MF-104 ---------- 4,793.75
Amount to be disallowed ---------- 466.20
Total accepted cost for the period ---------- 4,327.55

Government participation at 75 percent ---------- $3,245.66

Remarks:

Date of Report ---------- September 26, 1957
Date Received in Field Office ---------- October 22, 1957
Date Received in Region Office ---------- November 20, 1957
Reason for delay: Held pending correction of report by Operator, and receipt of radiometric probing data.

Original signed by
E. N. HARSHMAN

E. N. Harshman

Enclosures

JDC:hmh
cc: Chmn. Op. Comm. (2))
DMEA/DFC) w/complete report
MF-104 file, Reg. III)
Harshman) w/copy of
Townsend) Engr's report
Chron

DMEA
DEPARTMENT OF THE INTERIOR

NOV 20 1957
REGION III
DENVER, COLORADO

REGION III

Memorandum

Building 20
Denver Federal Center
Denver 2, Colorado
November 18, 1957

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

From: E. O. Binyon

Subject: Docket DMEA 4577 (Uranium and selenium) Contract Idm-E1091, Metals, Inc., (Skyling claims), Fremont County, Wyoming. -- Progress report for July 25 - August 25, 1957

The work completed during the subject period was inspected on October 9, 1957. No work was in progress and there was noequipment on or near the property. The operator could not be located. Each hole was checked as to location, depths, and radioactivity, and were found to be as reported by the operator. In those holes that, as specified in the Contract, are to be drilled 400 feet or to 10 feet below the contact between the Wind River formation and underlying Mesozoic and Paleozoic rock - Holes No. 5, 8, 25, 28, 31, 47, 50, 53, 56, 78, and 81 - holes 5, 8, 25, and 28 and 47 have been over-drilled and the data are given below.

Claim	Hole No.	Drilled Depth	Depth to Cody Shale	Feet drilled over allowable footage	Footage allowed for payment
Skyline 2 (d-2)	5	240	220	10	230
" 4 (D-4)	8	165	140	15	150
" 1 (D1)	25	240	150	80	160
" 7 (D-7)	28	270	90	170	100
" 5 (D-5)	47	310	131	169	141
				444	781

Footage in remaining 20 holes---------- 3,000
Total footage allowed for payment---------- 3,781
Total footage claimed = 4,225 less 444 equals 3,781 feet.

Holes 50, 53, 56, 78, and 81 should, under terms of the Contract, have been the first holes drilled, however, holes No. 5, 8, 25, 28, and 47 which were drilled first, have given the necessary geologic data on the underlying formations, i.e. the depth of contact between the Wind River and underlying rocks, and it is believed that it is not essential that these holes be drilled prior to the other holes.

Hole 25 has been given a depth of 250 feet by the geologist, however, the drillers invoice gives the depth as 240 feet and this is the depth allowed.

A check of the cuttings from these holes with a geiger counter showed slight radioactivity in hole 4 from depths 122-125 feet, in

hole 9 at 90 and 120 feet and in hole 28 the reading was 1/2 to 2 background at about 86-88 feet. Only slight if any reading above background was obtained from the cuttings from the remaining holes.

In checking the MF-104 and MF-104A forms, only a minor error was found. Under "Units this month" and "Units to date" columns on the MF-104A for Standby time, the units shown as 10 should be 6 in both columns.

The correct amount approved for payment is as calculated below.

Footage claim	4,225 feet		
Footage disallowed	444 feet		
Footage for payment	3,781 feet at $0.87 per foot=		$ 3,289.47
Standby time			60.00
Bulldozing			297.50
Incidental allowance claimed 4,225 at $0.18 per ft.		$ 760.50	
Incidental allowance disallowed 444 feet at $0.18 per ft.		79.92	
Incidental allowance for payment			680.58
Total amount with disallowances			$ 4,327.55
Total amount approved for payment			$ 3,245.66

The amounts claimed for the drilling, standby time, and bulldozing work have been properly documented. It is recommended that the operator be paid $3,245.66, or the Government's share at 75% of $4,327.55.

The project work started on July 25, 1957.

E. O. Binyon
Mining Engineer

EOB:ss
cc: 6 w/orig
Idm-E1091
Chron

KENNETH McGRIFFIN
GEOLOGIST — GEOPHYSICAL ENGINEER
438 SOUTH MAIN STREET • PHONE EM 4-0202
SALT LAKE CITY 10, UTAH

October 31, 1957

Mr. Cooper
DMEA
224 New Custom House
Denver 2, Colo.

DMEA
DEPARTMENT OF THE INTERIOR
NOV 1 - 1957
REGION III
DENVER, COLORADO

Dear Mr. Cooper,

You may recall our telephone conversation last week concerning DMEA Docket 4577, Contract E-1091 covering a drilling project on claims held by Metals Inc. in Natrona County, Wyoming. The DH 25 log differed in depth from what the driller had given. I have looked up this hole in my field data and find that the 250 foot depth is correct and that my geologic log was copied incorredtly in the 60-250 foot interval. It should be as follows:

60-96	Ss. gy. fg-mg. has considerable clay, interbedded presumably.
96-131	Similar to above but slightly pebbly.
131-150	Cody shale with much wh. arkosic ss, some pebbles.
150-250	Cody shale.

I am sorry about this error but I thought I had checked out every thing in the report.

Yours Sincerely,

Ken Mc Griffin

Ken Mc Griffin

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

RECEIVED NOV 27 1957 D.M.E.A.

Budget Bureau No. 42-R1036.5

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

Month of July 25-Aug. 25, 1957 Docket No. DMEA 4577 Contract No. Idm-E1091

Operator's Name METALS, INC. Minerals Uranium-Selenium

Address 670 South State St., Salt Lake City, Utah

Contract Amount, $ 31,732.00 Government Participation: 75% Amount, $ 23,799.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	3675.75	0.00	3675.75			
Bulldozing	297.50	0.00	297.50			
~~Commuting~~ Standby	60.00	0.00	60.00			
~~Drilling~~ Incid. Allow.	760.50	0.00	760.50			
Analyses	0.00	0.00	0.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	4793.75	0.00	4793.75	4327.55	—	4327.55

DMEA DEPARTMENT OF THE INTERIOR OCT 1 - 1957 REGION III DENVER, COLORADO

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

Date 9/26/57 *Payee Metals Inc.

Per [signature] 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:

$ 3245.66

Signature RRC (Authorized Certifying Officer)

Date 11/22/57 Vou. No. DMA-58-64

(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. 2dh-E 1091 in accordance with the terms of the contract.

Signature E O Bunyon (# 3245.66) Title Mining Engineer Date October 16, 1957

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Acting Executive Officer Date NOV 21 1957

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.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED NOV 27 1957 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of 7/25-8/25 1957 Docket No. DMEA 4577 Contract No. Idm-E1091

Operator's Name METALS, INC. Minerals Uranium-Selenium

Address 670 South State St., Salt Lake City, Utah

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
~~Drilling~~ Non-core dril	ft.	3675.75	4225	3675.75	4225	0.87	15500	0.87
~~Crosscutting~~ Standby	hr.	60.00	10	60.00	10	10.00	24	10.00
~~Raising~~ Bulldozing	hr.	297.50	23.8	297.50	23.8	12.50	24	12.50
~~Shaft~~ Incid. Allow.	ft.	760.50	4225	760.50	4225	0.18	15500	0.18
~~Winzx~~ Anal. U_3O_8	spl	0.00	0	0.00	0		100	3.50
~~Drilling: Core~~ Anal. Sel.	Spl	0.00	0	0.00	0		50	10.00
~~Crushx~~ Stage II								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4793.75		4793.75				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4793.75		4793.75				

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

Date 9/26/57 Operator Metals Inc.

Per [signature] 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)

E O Bruyon

DMEA
DEPARTMENT OF THE INTERIOR
OCT 1 - 1957
REGION III
DENVER, COLORADO

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 872894

METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

Listed below are Babbel probe readings for holes drilled 1 st period, Aug. 25-Sept. 30, 1957. These readings were not furnished when the report was filed.

DH 1

0-24	.01-.02
24-32	.01-.03
32-67	.01-.02
67-84	.01-.02
84-150	.01-.03

DH 2

0-10	.02-.04
10-24	.01-.03
24-54	.01-.02
54-98	.01-.03
98-150	.01-.02

DH 3

0-19	.02
19-95	.01-.03
95-150	.01-.02

DH 4

0-22	.02
22-23	.03
23-28	.02
28-29	.03-.04
29-101	.02-.03
101½	.04 peak
101½-125	.02-.03
125-127	.02-.05
127-128	.05-.06 peak
128-130	.05-.02
130-150	.01-.02

DH 5

0-64	.01-.02
64-67	.01
67-122	.01-.02
122-150	.01-.02
150-222	.02
222-244	.01-.02

DH 6

0-36	.01-.02
36-58	.01
58-65	.01-.02
65-76	.01
76-79	.01-.02
79-89	.01-.03
89-112	.01-.02
112-132	.01+
132-150	.01

DH 7

0-16	.01-.02
16-145	nil-.01
145-150	.02

DH 8

0-14	nil-.01
14-20	.01-.03
20-30	nil-.01
30-33	.01-.03
33-40	nil-.01
40-48	.01-.02
48-56	nil-.01
56-57	.03
57-86	nil-.01
86-87	.02-.03
87-118	nil-.01
118-128	nil
128	.03 peak
128-165	nil-.01

DH 9

0-34	.01-.02
34-42	.02-.03
42-70	.02
70-100	.01-.02
100-123	.02
123-134	.02-.03
134-150	.01-.02

DH 10

0-67	.02-.03
67-117	.01-.02
117-150	nil-.01

DH 11

0-11	nil
11-16	.01-.02
16-26	nil
26-27	.01-.02
27-30	nil
30-99	nil-.01
99-140	.01
140-150	nil

DH 12

0-28	.02-.04
28-55	.02
55-67	.03
67-127	.02
127-150	.01

METALS INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DH 13

0-91	nil
91-96	nil-.01
96-136	nil
136-141	nil-.01
141-150	nil

DH 14

0-26	.01-.03
26-35	.02-.04
35-53	.02
53-67	.01-.03
67-69	.02-.04
69-90	.01-.02
90-93	.02-.04
93-132	.01-.02
132-150	nil

DH 15

0-18	.02-.03
18-27	.02-.04
27-34	.02
34-58	.02-.04
58-83	.02-.03
83-129	.02
129-150	.01-.02

DH 25

0-22	.02-.04
22-27	.03
27-75	.02-.04
75-88	.02
88-138	.01-.02
138-150	nil-.01

DH 26

0-150	.01 peaks

DH 28

0-74	nil-.01
74-96	.01-.02
96-132	nil-.01
132-146	nil
146-149	.01
149-270	nil

DH 32

0-31	.01
31-91	nil-.01
91-150	nil

DH 33

0-17	.02-.03
17-30	.02-.04
30-39	.02
39-49	.01-.03
49-50	.03-.04
50-53	.02
53-64	.02
64-67	.02-.04
67-150	.02

DH 34

0-6	.02-.03
6-9	.03-.05
9-14	.03
14-21	.03-.04
21-65	.03
65-86	.02-.03
86-105	.01-.03
105-150	.01-.02

DH 39

0-24	.02
24-66	.01
66-105	nil-.01
105-150	nil

DH 40

0-31	.01-.02
31-35	.01-.03
35-43	nil-.01
43-73	nil-.02
73-150	nil-.01
124	.04 peak

DH 41

0-8	.01-.02
8-9	.03
9-62	.01-.02
62	.03
62-109	.01-.02
109-112	.02-.04
113-150	.02-.03

DH 47

0-10	.03-.04
10-23	.01-.02
23-26	.01
26-28	.01-.02
28-68	.01-.02
68-79	.02
79-86	.01-.02
86-96	nil-.01
96-310	nil-.02

DMEA
DEPARTMENT OF THE INTERIOR
OCT 21 1957
REGION III
DENVER COLORADO

DMEA
DEPARTMENT OF THE INTERIOR
SEP 13 1957
REGION III
DENVER, COLORADO

PROGRESS REPORT NO. 1

Metals Inc., Skyline Claims
Section 35, T34N, R89W
Natrona County, Wyoming
August 1957
DMEA Docket 4577, Idm E-1091

By Ken Mc Griffin
Consulting Geologist-Geophysical
Engineer

DMEA
DEPARTMENT OF THE INTERIOR
NOV 20 1957
REGION III
DENVER, COLORADO

Wed. September 11, 1957

W. H. King, Executive Officer, DMEA
Field Team, Region III
Defense Minerals Exploratory Administration
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA 4577
(Uranium and Selenium)
Contract No. Idm-E1091
Metals, Inc.
(Skyline Claims)
Natrona County, Wyoming

Dear Sir:

In compliance with the Calendar Month Report of our DMEA contract we are forwarding and submit the original and 4 copies of each of the following forms to you: M.F. 104, Operator's Monthly Report and Voucher, and M.F. 104A, Operator's Unit Cost and Progress Report.

We have now completed the holes listed, as reported, and herewith submit and set forth the allowable and fixed-unit cost of Stage 1 under the Project for the number of holes as listed. The reports enclosed and signed by the geologist will fulfill all the requirements as set forth in your program to us. You will note each report has a signed narrative which describes the work performed, conditions encountered, and the results of the work. Each form is accompanied by a map which shows the location and extent of work completed.

We trust this report is entirely acceptable to you.

Very truly yours,

Charles S. Merrill
Charles S. Merrill
METALS, INC.

CSM/nm

CHARLES S. MERRILL and ASSOCIATE
1975 East Millbrook Drive.
Salt Lake City, Utah.

September 10th, 1957

COPY

To:
METALS INC.
670 South State Street
Salt Lake City, Utah.

STATEMENT:

For drilling on Skyline Claims Sec. 35, Township 34 north, Range 89 west, Natrona County, Wyoming - during July 25 to August 25, 1957 including bits, lodging, etc. on D.M.E.A. contract.

Holes - NO:	Depth:	Holes - No:	Depth:
DH 1	150 ft.	DH 14	150 ft.
2	150	15	150
3	150	25	240
4	150	26	150
5	240	28	270
6	150	32	150
7	150	33	150
8	165	34	150
9	150	39	150
10	150	40	150
11	150	41	150
12	150	47	310
13	150		4,225 ft.

Total footage: 4,225 x -.85 @ foot - $3,675.75
standby time: 60.00

Total charge: $3,735.75

STATEMENT

Date [illegible] 19[illegible]

To [illegible]

Address [illegible]

City [illegible]

[illegible]	[illegible]	
	[illegible]	[illegible]
8/1	2½ hrs @ 12.50	31.25
		297.50

[illegible]

8K 882 Rediform

PROGRESS REPORT NO. 1

July - August 1957

INTRODUCTION

This is a summary of the rotary non-core drilling results on the Skyline Claims, Section 35, T34N, R89W, Natrona County, Wyoming for the period July 25 - August 31, 1957. All the holes were drilled with portable rotary drill rigs using 4-1/4" rotary and rock bits on the 400' reconnaisance grid pattern prescribed in the DMEA Examination Report.

Water was used in drilling all the holes. Immediately after being drilled, the holes were gamma logged with a Babbel Probe Unit and the results recorded on an Esterline-Angus strip recorder. Drill cuttings were taken at 2 foot intervals and piled systematically near the hole drilled. After sufficient time for drying, the cuttings were examined and a geologic log compiled. Small samples were taken from each pile (2 foot interval), sacked and stored for further examination if it is needed.

This report consists of a written description portion, a drill hole location map, and geologic logs with radiation data of the holes. The samples taken at each hole and the gamma strip logs are at the project office near the property site.

GEOLOGY

The Skyline Claims are located in the northern part of Gas Hills District in central Wyoming. The rocks important to the uranium deposits of the region are a flat or gently dipping sequence of sandstones, clays, conglomerates and shales. All the rocks are characteristically soft or loosely consolidated. The conglomerates and sandstones consist mainly of poorly cemented arkosic or granitic debris. Schist, quartz and silicified shale fragments are also present in the conglomerate.

The Cody shale, a distinctive soft, dark grey rock, underlies the sequence mentioned above and is considered to be the "basement" for this uranium province.

In the property area the surface and near surface debris is conglomeratic and sandy. Soil cover is very light in the northern part of the claims where the subject holes were drilled. The topography slopes gently southerly, the average elevation being about 6920 feet. Adjacent holes seldom differ more than 10 feet in collar elevations even across terrain contours.

DRILLING RESULTS

Twenty five holes totaling 4141 feet were drilled and logged during the period July 25 - August 31, 1957. The holes, their depths and claim located on are summarized:

Drill Hole No.	Depth	Claim	Drill Hole No.	Depth	Claim
# 1	150'	D-3	# 14	150	D-4
2	150	D-4	15	150	D-4
3	150	D-4	25	240	D-2
4	150	D-1	26	150	D-2
5	240	D-2	28	270	D-7
6	150	D-2	32	150	D-5
7	150	D-3	33	150	D-6
8	165	D-4	34	150	D-6
9	150	D-4	39	150	D-5
10	150	D-1	40	150	D-6
11	150	D-2	41	150	D-6
12	150	D-2	47	310	D-5
13	150	D-3			

Drill Hole No. 8 was redrilled and Drill Hole No. 52, not listed above, was drilled but it caved immediately after the drill rods were pulled from the hole. The footages of these two caved holes are not included in the total above.

Drill Hole No. 4 located in the extreme northeast corner of the property had the highest radioactivity intersection. A 5 foot interval, 125'-130', indicated .06% uranium on the calibrated Babbel counter used to log the hole. Traces of radioactivity up to .04% eU were detected in several other holes. The sensitivity of the Babbel counter in this range of detection is low, hence little importance can be attached to these readings quantitatively.

The .06% eU intersection in Drill Hole 4 occurs in a thick arkosic sandstone section with minor intercalated clay and conglomeratic units. The radioactivity is associated with a clayey phase of the sandstone.

Most of the holes drilled had thick intersections of arkosic sandstone. Several of the holes also had notable intersections of interbedded clay (or mudstones) and sandstone or conglomerate. Drill Holes 4, 6, 10, 25, 32, 33, 39, and 47 are of interest in this respect. Their widespread and random separation gives no immediately recognizable pattern of favorability.

Pyrite was noted in cuttings from several of the holes. It is scant, generally is most concentrated in thin clay seams and in granitic debris. Red iron oxide is most common also in these rock types, indicating a probable pyrite origin. Sooty carbon was noted at a depth of 40 feet in Drill Hole 12. This was the only carbon occurrence noted in the drill cuttings.

The Cody shale which underlies the sediments most favorable to uranium deposits was intersected in several holes at depths ranging from 90 feet in Drill Hole 28 to 220 feet in Drill Hole 5. On the basis of these intersections, the top of the Cody has a gradient to the north or northeast of 4% - 6%. Should this gradient persist into the southwestern part of the property where lower topographic elevations are encountered, Cody intersections at 50-75 feet can be expected.

SUMMARY

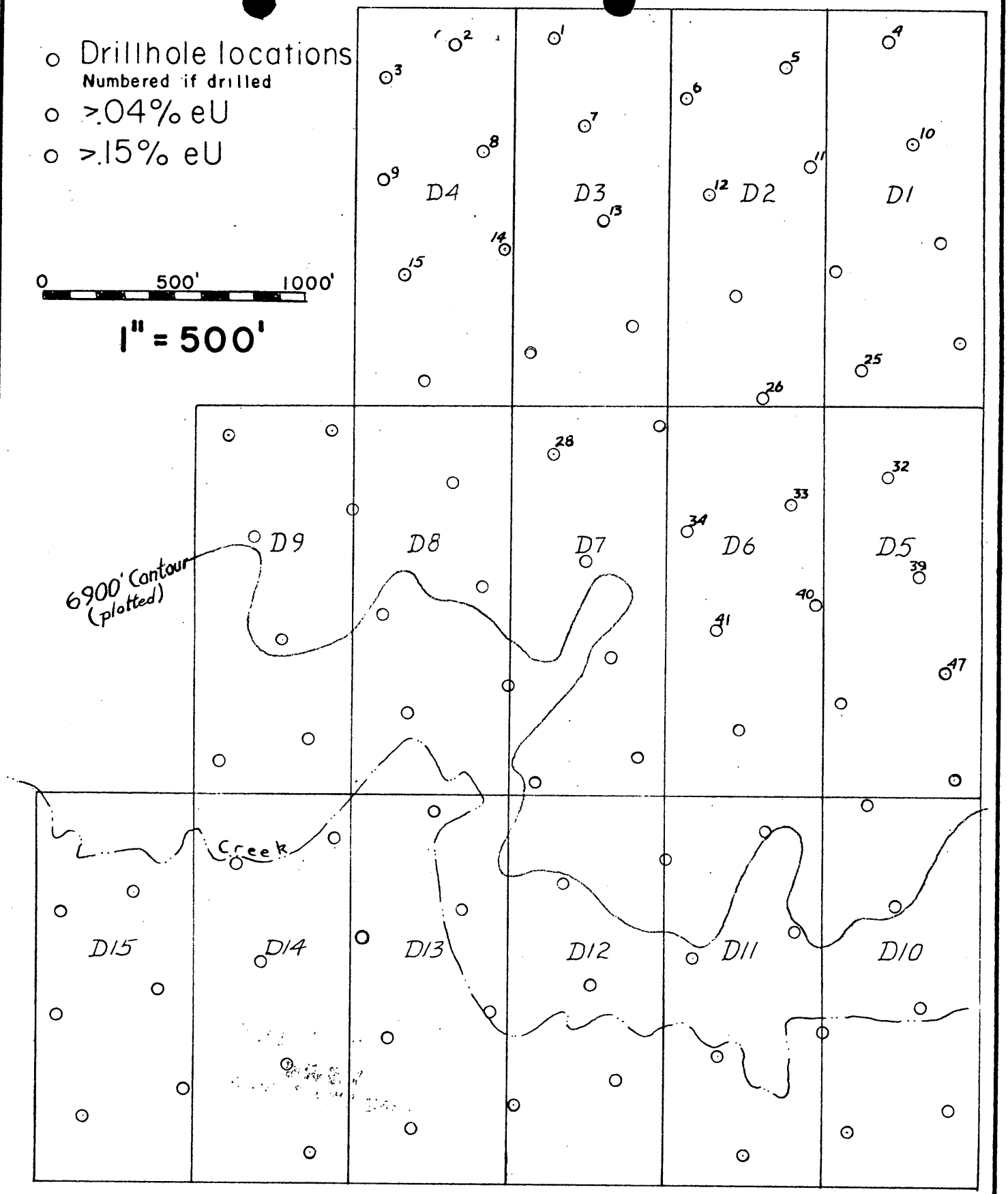
Traces of radioactivity indicative of uranium have been detected in several of the holes drilled to date but nothing positive can be stated regarding the significance of these occurrences, or the geologic favorability of the property at this stage.

It is planned to continue drilling on the reconnaisance pattern prescribed in the DMEA Examination Report. Drilling of the special 400 feet deep holes, which have been neglected because of drilling difficulties, will have first priority. However, it seems probable that the Cody shale basement will be intersected at much shallower depths than 400 feet, so the urgency for drilling these holes is questionable.

Ken McGriffin

Ken Mc Griffin
Consulting Geologist-Geophysical Engineer

September 3, 1957



DRILL HOLE MAP

METALS INC. SKYLINE CLAIMS

Section 35, T34N, R89W, Natrona County, Wyoming

DMEA Docket 4577

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DATE	INITIALS	CODE

PROJECT META[illegible] INC. SKYLINE CLAIMS. Sec[illegible] 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 1 DEPTH 150' ELEV _____ DATE DRILLED 7-29-57
LOCATION _____ INCLIN Vert DATE LOGGED 7-29-57

SUMMARY OF RESULTS No Ra detected with Babbel Probe. Minor pyrite in granitic debris.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			ARKOSE. gy. cg to pebbly. gy to colorless qtz.
12			
			SS. arkosic. bf. cg
18			
			SS. arkosic. bf-br. mg to pebbly. gy feldspar much fe oxide stain. muscovite common.
32			SS. arkosic. kaolinized feldspar.
34			SS-SLT. br. cg to vfg.
38			CLAY. lt gy. minor fe oxide in streaks.
46			
			SS. arkosic. lt gy. fg-mg, uniform texture. minor pebbles.
60			
			SS. gy-br. cg to pebbly. arkosic.
78			
			SS. gy-br. mg-cg. arkosic.
82			
			SS. gy. fg-mg. uniformtexture.
90			
			SS. arkosic. minor clay. gy-lt br. mg. qtz and feldspar pebbles.
108			
			SS. arkosic. lt gy. variable texture. much gy qtz pebbles.
126			
			SS. gy. fg-mg, uniform texture. arkosic.
150	TD		

PROJECT METE[illegible] INC. SAYLINE CLAIMS. Se[illegible]. 35, T34N, R89W
Natrona County, Wyoming. DMEA Dicket 4577, Idw E-1091

DRILL HOLE 2 DEPTH 150' ELEV _____ DATE DRILLED 7-30-57
LOCATION _____ INCLIN Vert DATE LOGGED 7-30-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe.
Occasional pyrite.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
6			SS. arkosic. bf. fg, uniform texture.
14			SS. arkosic. wh. mg-cg to pebbley. qtz and feldspar pebbles.
17			SS. arkosic. bf. fg.
			CGL. gy. mixed with cg ss. frags of granite and ss cemented, with pyrite.
36			
			SS. arkosic. bf-br. mg-cg. minor rounded pebbles.
72			
			SS interbedded with gy clay. pebbly with gy qtz and pinkish feldspar frags.
98			
106			CGL. gy. mainly qtz, feldspar. some rounded dk schist pebbles. 50/50=cgl/ss.
			SS. gy. cg to pebbly. SS/pebbles=80/20
132			
			SS. gy. cg. much clay. some qtz and granite pebbles.
150	TD		

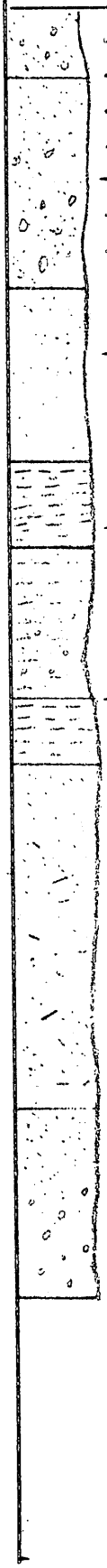
PROJECT META[illegible] INC. SAILING CLAIMS. Sec[illegible] 35, T34N, R89W.
Natrona County, Wyoming. DMA Docket 4577, Idm L-1091

DRILL HOLE 3 DEPTH 150' ELEV _____ DATE DRILLED 8-12-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-12-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe.
Minor scattered pyrite. Comsiderable fe oxide on granite frags

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
8			SS. arkosic. gy-wh. cg, slightly pebbly. granite frags with oxidized pyrite.
10			CLAY. gy. sandy
			SS. arkosic. gy-wh. much gy-wh qtz and feldspar.
30			CGL. gy-br angular frags up to 1" of schist, qtz and granite.
32			SS. arkosic. lt gy. cg, uniform testure. large muscovite flakes.
46			CGL-SS. 50/50 angular frags of feldpar, qtz. and granite. Fe oxide on granite frags.
56			
60			MST. gy. cgl/ss/clay=25/25/50
			SS. bf-gy. arkosic. cg to pebbly. minor clay.
80			
			SS. bf-gy. fg-cg. some pebbles and clay.
94			
			SS. gy. increasing pebble and clay content. grades into wh-gy fg ss.
120			
			SS. gy.lt bf. fg-mg, uniform texture.
134			
			SS. gy-bf. pebbly and clayey seams.
150	TD		

PROJECT META[illegible] INC. SKYLINE CLAIMS. Sect[illegible]35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 4 DEPTH 150' ELEV _____ DATE DRILLED 8-12-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-13-57
SUMMARY OF RESULTS Traces of Ra up to .06%eU at 125-130 detected with Babbel Probe



GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
8			SS. arkosic. gy-br, weathered. cg-vcg, pebbly.
32			SS. gy with fe oxide tinge. arkosic. much angular granite and qtz frags.
52			SS. gy-br. cg-vcg, uniform texture. minor pebbles.
62			CLAY-SHALE. lt gy-bl. uniform texture. minor wh feldspar sand.
80			CLAY-SS. gy. arkosic ss. sm pebbles
86			CLAY. dk gy. minor arkosic ss.
128	.06%		SS. arkosic. mg-cg, unifomr texture. minor clay phases.
150	TD		SS. dk gy. arkosic. cg to pebbly, dk schist, gy qtz and granite frags.

PROJECT META[illegible] INC. SKYLINE CLAIMS. Se[illegible] 35, T34N, R39W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 5 DEPTH 240' ELEV _____ DATE DRILLED 8-13-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-14-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe. Hit Cody shale at 222'.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			SS. arkosic. gy-wh. cg to pebbly. angular wh and gy qtz, some muscovite. gy clay at base.
20			CLAY. sandy. gy.
24			SS. arkosic. fg-mg, uniform texture. minor pebbles.
36			SS. bf-br. fe oxide stained frags. fg-mg to pebbly. pyrite? in granite frags.
54			SS. interbedded with thin clay seams.
60			SS. arkosic. gy. fg-mg. minor pebbles.
60			CLAY. with interbedded ss and cgl. gy with br tinge due to fe oxide on granitic.
76			SS-CLAY. gy-gn. uniform texture and color over interval.
118			SS. arkosic. cg, minor clay seams and pebbles. Qtz, granite pebbles up to ¼". uniform color and texture over interval.
220			CODY SHALE. dk gy to bk. some arkosic material.
240	TD		

PROJECT METAL INC. SKYLINE CLAIMS. Sec. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 6 DEPTH 150' ELEV _____ DATE DRILLED 8-14-57

LOCATION _____ INCLIN Vert DATE LOGGED 8-15-57

SUMMARY OF RESULTS Traces of Ra detectedwith Babbel Probe.
Minor scattered pyrite.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			ARKOSE. gy-wh. mg-cg, very loose.
10			
			SS. arkosic, pebbly. wh-gy. schist, qtz and granite frags.
26			
			SS-CGL. qtz and schist pebbles, arkosic ss. much fe stained granite frags.
34			
			CLAY. gy. qtz pebbles up to 1". some fe oxide seams.
45			
			SS. arkosic. gy. fg, uniform texture. minor clay and pebbles.
62			
			CLAY. sandy. brownish-gy. br fe oxide frags, some pebbles.
86			
			SS. clayey. arkosic. gy. uniform texture.
112			
			CGL-SS. gy. uniform texture. pebbles up ½" of granite, bk schist and silicsous shale.
135			
			SS. gy. mg-vcg. minor clay.
150	TD		

PROJECT METALS INC. SAYLINE CLAIMS. Sect. 35, T34N, R89W. Natrona County, Wyoming. DMLA Book 4577, Idn E-1001

DRILL HOLE 7 DEPTH 150' ELEV Vert DATE DRILLED 8-14-57

LOCATION INCLIN DATE LOGGED 8-15-57

SUMMARY OF RESULTS Traces of Ka detected with Babbel Probe. Minor scattered pyrite occurences mainly in granitic debris.

Drillhole Cuttings

GRAPHIC	eU	chU	DESCRIPTION
8			CLAY. lt gy. fe oxide in seams. sandy frags.
16			SS. arkosic. fe stained to bf. fg-mg. minor pebbles.
42			SS. arkosic. wh-gy. cg-vcg, uniformtexture. some granite pebbles, qtz and bk schist.
50			SS. arkosic. same as above, with fe oxide and possibley pyrite.
56			SS. arkosic. gy. mg-cg. some clay, fe oxide.
64			SS. arkosic. gy. fg-mg, uniform texture.
79			SS. arkosic. bf. mg-cg. fe oxide stain. some pebbles.
92			CLAY. dk gy. minor pebbles and wh feldspar sand.
150	TD		SS. arkosic. gy. mg, uniform texture.

PROJECT METAL INC. SKYLINE CLAIMS. Sec. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 8 DEPTH 165' ELEV _____ DATE DRILLED 8-30-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-30-57
SUMMARY OF RESULTS Traces of Ka detected with Babbel Probe.
Hit Cody shale at 140'

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			AKKOSE. lt bf. cg to vcg. minor gy qtz pebbles.
-10			SS-CGL. arkosic. lt gy. cg-vcg ss. granite and gy qtz frags.
-14			CGL-CLAY. gy-bf. gy granite, schist and qtz frags in gy to gy-br clay. qtz rounded.
-30			SS-CGL. arkosic ss. lt gy. cg. minor clay near top. ss/cgl=70/30
-56			SS. arkosic, 10%-20% clay. gy-bf. cg to pebbly. clay lt br. gy qtz and schist frags.
-70			SS. arkosic. gy, cg-vcg, uniform texture. some pebbles.
-82			SS. similar to above but br-gy color.
-90			SS. lt br. fg-mg with minor pebbles. fg to silty near base.
-134			SS. arkosic. gy. cg-vcg.
-140			CODT SHALE. intermixed with arkosic ss.
-165	TD		

PROJECT METALS INC. SKYLINE CLAIMS. Sec. 35, T34N, R89W
Natrona County, Wyoming. DMEA Dick 4577, Idm E-1091

DRILL HOLE 9 DEPTH 150' ELEV _____ DATE DRILLED 8-30-57
LOCATION _____ INCLIN Vert. DATE LOGGED 8-30-57

SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe at several poimts in hole

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
-16			SS. bf-br. fg-mg, minor pebbles. some fe oxide in clay seams.
-34			CGL. gy. rounded pebbles of gy and wh qtz and granite. frags and pebbles of pink granite, bk shalcedony, dk gy schist.
-40			SS. lt gy. fg-mg. arkosic. minor pebbles.
-54			CGL-SS. gy ss and fe oxide stained pebbles. pebbles and frags of pink granite, and qtz.
-64			SS-CGL. bf. fg-mg ss, vcg at base.
-78			SS-CGL. br ss. pebbles and frags of granite, schist.
-116			SS. arkosic, gy. cg-vcg to pebbly.
150	TD		CODY SHALE. ss mixed at top.

PROJECT MET[illegible]S INC. SAYLIAR CLAIMS. S[illegible]. 35, T34N, R89W.
Natrona County, Wyoming. ~~DMEA Docket 4577, Idm E-1091~~

DRILL HOLE 10 DEPTH 150' ELEV ~~Vert~~ DATE DRILLED 8-14-57
LOCATION _____ INCLIN _____ DATE LOGGED 8-15-57
SUMMARY OF RESULTS Traces of ka detected with Babbel Probe.
Minor scattered pyrite.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			SS. arkosic. wh-lt gy. vcg to pebbly. frags of granite, schist and dk gy qtz.
16			
20			SS. arkosic. gy. cg, some pebbles. fe oxide stain.
			CLAY. lt gy-gn. minor arkosic ss seams and sm pebbles. thin pyrite seams.
44			
49			CLAY-SHALE. chocolate colored. some arkosic ss.
			SS. gy. fg-mg, uniform texture. minor pebbles and clay seams. more arkosic at base.
90			
			SS. arkosic. gy. cg-vcg, uniform texture. minor pebbles.
122			
			CGL-SS. interbedded. some clay seams. angular to subrounded pebbles of granite and schist.
150	TD		

PROJECT META[illegible] INC. SKYLINE CLAIMS. Sec. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket #577, Idm E-1091

DRILL HOLE 11 DEPTH 150' ELEV _____ DATE DRILLED 8-1-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-2-57
SUMMARY OF RESULTS Traces of Ra up to .04% eU detedted with Babbel Probe. Neccessary to drill hole twice.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			SS. arkosic. gy-wh. vcg to pebbly, uniform texture.
27			
			SS. similar to above. much fe oxide on granite frags and in clayey seams.
35			
			CLAY. lt gy-gn. minor pebbles and sandy seams. pyrite noted.
59			
			CLAY. interbedded gy and chocolate colored. Uniform texture. few pebbles may be contaminant.
78			
			CLAY. sandy. gy with chocolate colored streaks.
94			
			Hole caving 112'-124'
			SS-CGL. variable sequence. gy. much bk shale and some dk gy schist frags. minor clayey seams.
150	TD		

PROJECT METAL INC. SKYLINE CLAIMS. Sect. 35, T34N, R89W
Natrona County, Wyoming. DMEA Dicket 4577, Idm E-1091
DRILL HOLE 12 DEPTH 150' ELEV _____ DATE DRILLED 8-28-57
LOCATION _____ INCLIN Vert. DATE LOGGED 8-28-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
-14			SS. arkosic. lt gy. fg-cg with pebbly phases ar base.
-42			SS. arkosic. bf-gy. variable texture. minor rounded pebbles. much fe oxide in clay seams, also some carbon.
-50			SS. similar to above. gy. no fe oxide.
-67			SS. bf-gy. fg-cg. arkosic. gy clay seams. minor clay seams.
-98			CLAY. gn. very heavy. much arkosic material interbedded.
-150	TD		SS. pp-gy. mg-cg. interbedded gy-pp clay seams. much frags of gy qtz, some dk schist and bk silicified shale.

PROJECT METALS INC. SKYLINE CLAIMS. Sec. 35, T34N, R89W. Natrona County, Wyoming. DMEA Docket 4577, Idm R-1091

DRILL HOLE 13 DEPTH 150' ELEV _____ DATE DRILLED 8-28-57

LOCATION _____ INCLIN Vert DATE LOGGED 8-28-57

SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe at several points.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			SS-soil. arkosic. br. fg-mg.
-10			
			ARKOSE. bf-lt gy. mg-cg, uniform texture. minor fe oxide. slightly pebbly in places.
-48			
			CLAY. gy-gn. heavy. minor arkosic ss seams.
-60			
			SS. arkosic. gy. fg, uniform texture.
-70			SS. gy. variable texture. minor gy pebbles.
-78			CLAY-SS. interbedded. gy. mg ss. clay heavy.
-90			
			SS. with minor interbedded clay. gy. ss variable texture. Interval 60-150 is very similar in color and appearance differing mainly in ss/clay ratio.
-150	TD		

PROJECT METAL INC. SKYLINE CLAIMS. Sec. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 14 DEPTH 150' ELEV _____ DATE DRILLED 8-29-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-30-57
SUMMARY OF RESULTS Traces of ka detected with Babbel Probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
9			SS. arkosic. bf. vfg-fg, uniform texture.
56			SS-CGL. lt gy. ss/cgl=80/20. ss is mg-cg, arkosic. pebbles and frags of granite, dk gy qtz. minor fe oxide in thin clay seams.
96			SS. bf-br. fg-vcg, minor pebbles. arkosic. minor brownish shale.
104			SS. arkosic. gy. cg-vcg.
108			SS. fg to clayey. bf-br.
130			SS. gy to lt br. variable texture. clayey "mudstone phases containing minor pebbles.
150	TD		CODY SHALE? and ss intermixed. ss arkosic, cg.

PROJECT METALS INC. SKYLINE CLAIMS. Sec. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idn E-1091
DRILL HOLE 15 DEPTH 150' ELEV DATE DRILLED 8-29-57
LOCATION INCLIN Vert DATE LOGGED 8-29-57
SUMMARY OF RESULTS Traces up to .04% eU detected with Babbel Probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			SS. arkosic. lt gy. mg-cg, uniform texture. minor qtz pebbles.
-20			CGL-CLAY. gy. arlosic frags and qtz pebbles. gy clay has fe oxide seams.
-30			SS. gy to bf. fg-mg, uniform texture. fe oxide stain at base.
-40			CGL-SS. gy. very arkosic and granitic. minor fe oxide stain.
-63			SS. bf-br. fg-mg, uniform texture.
-68			SS-CGL. bf-gy. cg to pebbly. arkosic material.
-86			SS. arkosic. gy. mg, uniform texture. minor dk clay or shale (Cody?)
-108			SHALE. sandy. dk gy. ss vfg-fg with pebbly phases of gy qtz and dk schist. Cody?
-146			CODY SHALE
-150	TD		

PROJECT METALS INC. SKYLINE CLAIMS. SEC. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket #4577, Idm E-1091

DRILL HOLE 25 DEPTH 156' ELEV _____ DATE DRILLED 8-5,6-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-7-57
SUMMARY OF RESULTS No Ra detected with Babbel Probe. Minor pyrite in clayey seams

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			SS. arkosic. gy. fg-mg. some fe stained granite pebble fe stained, and qtz.
			SS. arkosic. wh. fg-mg. some pebbles.
			SS. arkosic. bf. mg, uniform texture.
			SS-CLAY. 50/50. ss gy, fg.
			CGL. mainly wh feldspar and gy qtz pebbles.
			SS. arkosic. gy. mg, uniform texture.
			SS. arkosic. gy. fg to clayey.
			CLAY. gy. minor ss.
			CLAY-SS. 60/40. minor pebbles. pyrite?
			SS. bf. fg to clayey. fe stain. pyrite.
			SS. gy. arkosic. fg-cg. muscovite and feldspar up to ¼".
			SS. arkosic. similar to above. more pebbles and clay.
			SS. gy. fg, uniform texture. pebbles up to ¼". pyrite?
156	TD		

PROJECT METAL INC. SKYLINE CLAIMS. Sec 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket #4577. Idm E-1091

DRILL HOLE 26 DEPTH 150' ELEV _____ DATE DRILLED 8-6-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-7-57
SUMMARY OF RESULTS Traces of Ra up to .04% eU detected with Babbel Probe. Minor pyrite in clayey seams.

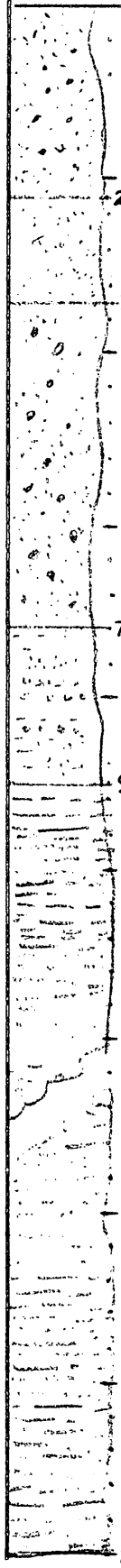
GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
6			SS and soil.
30			SS. arkosic. wh to lt bf/ vfg-fg. minor qtz pebbles. fe stain in speckles.
72			SS. gy. fg-mg ss. much pebbles up to 3/8" of wh feldspar and gy qtz.
			SS. arkosic. similar to above. mg-vcg. minor clay. no pebbles.
150	TD		

PROJECT METAL INC. SKYLINE CLAIMS. Sec. 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 28 DEPTH 270' ELEV. _____ DATE DRILLED 8-2-57

LOCATION _____ INCLIN Vert DATE LOGGED 8-3-57

SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe.
Minor scattered pyrite.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			SS. arkosic. gy. cg to pebbly.
			SS. similar to above but bf-br color.
			SS. arkosic. gy. cg to pebbly.
			CLAY-SHALE. dk gy with wh arkosic streaks. some pebbly interbedded units.
			CODY SHALE.

PROJECT METAL INC. SKYLINE CLAIMS. Sec 35, T34N, R89W
Natrona County, Wyoming LMEA Docket 4577, Idm E-1091

DRILL HOLE 32 DEPTH 150' ELEV _____ DATE DRILLED 8-28-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-29-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
-6			SS. gy. mg, uniform texture. arkosic.
			SS. lt bf-gy. mg-cg, uniform texture. some fe stained seams.
-24			CLAY. gy. some ss. minor fe stain in seams.
-30			SS. bf-gy. arkosic. fg-mg. some clay.
-44			CGL-CLAY. gy-br. clay is gy, fe stained in places.
-48			
			CLAY. gy-gn. uniform composition. minor sand may be contaminant.
-86			
			SS. gy. fg-mg. much wh arkosic material. some gy clay.
-138			
			SS. similar to above but cg to pebbly.
-150			

PROJECT METALS INC. SKYLINE CLAIMS. Sec. 35, T34N, R89W
Natrona County, Wyoming. DMEA Dicket 4577, Idm E-1091

DRILL HOLE 33 DEPTH 150' ELEV _____ DATE DRILLED 8-29-57
LOCATION _____ INCLIN Vert. DATE LOGGED 8-29-57
SUMMARY OF RESULTS Traces of Ka detected with Babbel Probe.

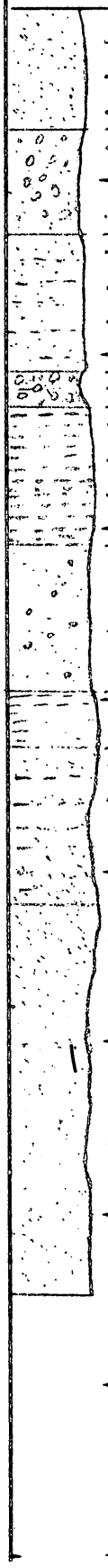
GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
-4			SS. br. arkosic. mixed with soil.
			CLAY. gy. minor ss. somefe stained seams.
-34			
			SS. arkosic. gy. mg-cg to pebbly. some gy clay seams.
-62			
			SS-CLAY. bf-lt br. ss arkosic, mg. minor pebbles.
-82			
			SS-CLAY. ss arkosic, cg. gy.
-135			
			CODY SHALE.
-150	TD		

PROJECT METALS INC. SKYLINE CLAIMS, Sec 35, T34N, R89W
Natrona County, Wyoming DMEA Docket 4577, Idm E-1091
DRILL HOLE 34 DEPTH 150' ELEV _____ DATE DRILLED 8-30-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-30-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
-6			SS. arkosic. gy-br. mg-cg, uniform texture.
-24			SS-CGL. lt gy. ss/cgl=70/30. arkosic. some fe stain.
-38			SS. bf to lt gy. mg-cg, uniform texture. some granite pebbles.
-60			SS-CGL. bf-br. ss/cgl=70/30. frags of wh granite, bk schist, qtz. ss is br.
-84			SS-CGL. gy, similar to above, less cgl. some interbedded gy-gn clay.
-100			SS. gy. vcg, uniform texture.
-119			CLAY. gy. sandy with arkosic cg ss.
-150	TD		CODY SHALE.

PROJECT [illegible] INC. SAYLINE CLAIMS. Sec [illegible] SS, T34N, R89W
Natrona County, Wyoming AEC Locket 4577, Item E-1091

DRILL HOLE 39 DEPTH 150' ELEV Vert DATE DRILLED 8-29-57
LOCATION INCLIN DATE LOGGED 8-29-57
SUMMARY OF RESULTS Trace of Ra detected with Babbel Probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			ARKOSE. wh-lt gy. cg, uniform texture. minor pebbles.
			CGL-SS. Arkosic. gy to br. variable texure. pebbles and frags of granite, gy qtz, schist, siliceous shale.
			SS. gy to bf. cg, variable texture. Much gy clay seams.
			CGL. br, fe stained. some clay.
			CLAY. bl-gy. very uniform composition.
			SS. gy, with interbedded gy clay. cg. some fe stain.
			CLAY. bl-gy. uniform composition.
			SS. gy, with interbedded gy clay. cg. some fe stain.
			SS-CGL. gy. ss is vcg to pebbly, arkosic. much wh feldspar. minor grey shale. uniform looking rock.

PROJECT META[illegible] INC. SKYLINE CLAIMS. Sec. 35, T34N, R[illegible]W
Natrona County, Wyoming AEC Locket 4577, Kdm L-1091

DRILL HOLE 40 DEPTH 150' ELEV _____ DATE DRILLED 8-29-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-29-57
SUMMARY OF RESULTS Traces of Ra detected with Babbel Probe, .04% eU detected at 58'

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
4			SS. bf-br. arkosic. cg, uniform texture.
			SS-CGL. gy-br. variable texture. interbedded gy clay, fe stain in seams. ss arkosic. small quartzite pebbles.
24			
26			SS. Arkosic. lt gy. cg. gy clay interbedded
			SS-CGL similar to 4-24. Much fe gossan-like frags.
55			
			SS. Arkosic. lt gy. mg, uniform texture.
64			
			SS. gy-br. mg-cg, variable texture. pebbly.
88			
			SS-Shale. gy-gn. interbedded gy arkosic ss and gy-gn shale. Ss is mg-cg, uniform texture.
140			
			SHALE. gy-gn. somewhat sandy wh arkosic.
150	TD		

PROJECT ALT[illegible] INC. SKYLINE CLAIMS. Sect. 35, T34N, R80W.
Natrona County, Wyoming. DMEA Docket 4577, Tam E-1091

DRILL HOLE 41 DEPTH 150' ELEV _____ DATE DRILLED 8-30-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-30-57
SUMMARY OF RESULTS Traces of Ka detected with Babbel Probe.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			SS. Arkosic. gy-br. mg, uniform texture.
10			
			CLAY. Lt gy. Much fe stain in seams. some sand
20			
			SS. bf-br. mg-cg with interbedded clay
33			
			SS. gy. mg, uniform texture. Minor gy clay/
40			
			SS-CGL. bf-gy. ss cg. arkosic. fe stained frags.
65			
			SS-CGL. similar to above but gy. Much gywh qtz and gy granite and schist.
78			
			SS. gy. arkosic. fg-cg, varied texture. pebbly, some gy shale near base.
120			
124			CGL-SS. intermixed with bk. shale.
			CODY SHALE. bk. even textured.
150	TD		

PROJECT META[illegible] INC. SKYLINE CLAIMS. Sec[illegible] 35, T34N, R89W.
Natrona County, Wyoming. DMEA Docket 4577, Idm E-1091

DRILL HOLE 47 DEPTH 310' ELEV _____ DATE DRILLED 8-8-57
LOCATION _____ INCLIN Vert DATE LOGGED 8-8-57
SUMMARY OF RESULTS Traces of Ra detectedwith Babbel Probe. Minor scattered pyrite. Considerable fe oxide.

GRAPHIC	eU	chU	DESCRIPTION Drillhole Cuttings
			CLAY. Wh-gy. sandy. fe stained 0-10 and 20-24. Minor pyrite.
			SS. Arkosic. wh-lt gy. fg, uniform texture
			SS. br-gy. fg-mg with some pebbles. Fe stain at 40-42
			CLAY-SS. gy. fg-cg ss. fe oxide in spots.
			SS. Arkosic. gy. fg, uniform texture.
			SS. Same as above but cg-pebbly texture
			SS. clayey. gy. fg, uniform appearance. minor pebbles.
			CODY SHALE. Dk gy-bk. Has wh arkosic seams. Pyrite?

Ken McGriffin