DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE IDM-E 915 DMEA NO. 3919

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
✓ Reports of Royalty Review
✓ Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
✓ Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
✓ Contract Amendments (latest on top)
✓ Contract with all exhibits and annexes
✓ Owner's Consent to Lien
✓ Subordination Agreement
✓ Leases and assignments of leases
✓ Application and attachments
(1) ✓ Envelope for maps

Right Side

✓ Project summary
✓ Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

✓ Final Field Team Report (Tab) + SUMMARY
✓ Operator's Final Report
(2R) ✓ Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) ✓ Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) ~~Interim Summary Reports by W. O. Engineers~~
✓ SETTLEMENT SHEETS

Right Side

~~Operator's Semi-Annual Report for Certified Projects, Field Team Interim Reports~~, Operator's
✓ Monthly Report with transmittal, narrative, maps, and Field Team review. 104'S
✓ SEMIANNUAL REPORTS ON CERT. PROJECT

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-E915, Docket DMEA-3919 (uranium), dated February 3, 1956, with

Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property variously referred to as the Hoffmeister Prospect, Mena Mine, and Joseph W. Walsh Mineral Lease located in Jefferson County, Colorado, during the period November 28, 1961, through June 14, 1963.

A certification of discovery or development was issued on June 23, 1958, and, in accordance with Article 8 and Amendment No. 5 of the contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 13 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated November 3, 1958, indicated accepted costs under the exploration contract amounting to $18,187.51 with the Government's contribution on a 75 percent basis being $13,640.63.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review found the total sales subject to the Government's royalty for the period to be $2,642.63. Royalty payable to the Government at the rate specified in the contract is $132.13.

A prior Report of Royalty Review found the sales subject to the Government's royalty through November 27, 1961, to be $44,939.74, which added to the sales for this subsequent period make a total of $47,582.37. The royalty account as of November 27, 1961, was:

Total Royalty Payable	$2,247.00
Total Royalty Payable	2,247.00
Balance of Royalty Due	$ -0-

As of June 14, 1963, the royalty account of this project was found to be:

Total Royalty Payable	$2,379.13
Total Royalty Paid	2,379.13
Balance of Royalty Due	$ -0-

C. E. Fisher

June 18, 1963

C. E. Fisher, OME Auditor

Idm-E915 Joseph W. Walsh DMEA-3919

STATUS OF PROJECT, SCOPE OF REVIEW AND REASONS THEREFOR

This contract provides that the Operator, as principal if the producer or as surety if not the producer, shall pay to the Government a percentage royalty on all minerals produced from the property thereunder. The property consists of 320 acres situated in sec. 26, T. 2 S., R. 71 W., 6th P.B.M. The Operator was in possession of the property at the time of execution of the exploration contract by virtue of a lease-option agreement dated March 9, 1955, with Oscar Dahlberg, owner of the surface rights, and Louis E. Bolis, owner of the mineral rights. These parties executed a Subordination Agreement and a Consent to Lien with respect to the property on November 29, 1955.

During the period covered by this review only three sales of uranium ore were made. These were covered by Cotter Corporation liquidations Nos. 6, 7, and 8. The Government's royalty was withheld by the buyer and paid directly to ORE. This review included a recomputation of the settlements. A summary of the sales and royalty account during this period and since the date of the contract follows:

			This Period	To Date
Sales:	SDT Ore		145.088	1,186.693
	Contents, Lbs. -	U_3O_8	554.43	6,328.91
		V_2O_5	-0-	46.78
Value:	U_3O_8 -	Base	$3,777.60	$25,972.06
		Premiums	-0-	1,307.13
		Development	-0-	2,540.90
		Haulage	559.65	7,065.37
		Bonus	-0-	16,042.68
	V_2O_5		-0-	14.50
	Total		$4,337.25	$52,942.64
	Less:	Penalties	-0-	1,230.28
		Charges	1,694.62	4,129.99
	Proceeds		$2,642.63	$47,582.37
Royalty Payable			$ 132.13	$ 2,379.13
Royalty Paid			132.13	2,379.13
Balance of Royalty Due			$ -0-	$ -0-

The last settlement included in this review related to liquidation No. 8, shipper's lot No. 9, covering a shipment to Cotter

Corporation during July 1962 on which royalty amounting to $48.90 was received by the Department's Fiscal Section on August 24, 1962.

In response to inquiry by MME Form 63 the Operator advised on June 14, 1963, that there had been no change in ownership, lease, or sublease and that there had been no production from the land subject to the contract since July 1962.

The findings of this review are subject to revision in the event of future audit by the Government of the Operator's records or examination of the stoped areas.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The files indicate that all sales of production have been reported and proper royalty thereon paid; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Washington office pertaining to Contract Idm-8915, Docket DMEA-3919 (uranium), dated February 3, 1956, with

Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property variously referred to as the Hoffmeister Prospect, Mena Mine, and Joseph W. Walsh Mineral Lease located in Jefferson County, Colorado, during the period October 6, 1960, through November 27, 1961.

A certification of discovery or development was issued on June 23, 1958, and, in accordance with Article 8 and Amendment No. 5 of the contract, royalty is payable on all minerals produced from the land described in Article 2 of the contract for a period of 13 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review dated November 3, 1958, indicated accepted costs under the exploration contract amounting to $18,187.51 with the Government's contribution on a 75 percent basis being $13,640.63.

The status of the project, the scope of review, and the reasons therefor are stated on page 2.

This review established the total sales subject to the Government's royalty for the period to be $4,264.89. Royalty payable to the Government at the rate specified in the contract is $213.25.

A prior Report of Royalty Review found the sales subject to the Government's royalty through October 5, 1960, to be $40,674.85, which added to the sales for this subsequent period make a total of $44,939.74. The royalty account as of October 5, 1960, was:

Total Royalty Payable	$2,033.75
Total Royalty Paid	1,768.10
Balance of Royalty Due	$ 265.65

At November 27, 1961, the royalty account of this project was found to be:

Total Royalty Payable	$2,247.00
Total Royalty Paid	2,247.00
Balance of Royalty Due	$ -0-

E. D. Talbert

December 1, 1961

E. D. Talbert, OME Auditor

Idm-E915 Joseph W. Walsh DMEA-5919

STATUS OF PROJECT, SCOPE OF REVIEW
AND REASONS THEREFOR

During the period covered by this review only two sales of uranium ore were made. These were covered by liquidations nos. 4 and 5, dated February 16, 1961, and May 31, 1961, by the Cotter Corporation mill at Canon City, Colorado. This review included a recomputation of the settlements. A summary of sales during this and prior periods follows:

			2/3/56 to 10/5/60	10/6/60 to 11/27/61	2/3/56 to 11/27/61
Sales:	SDT of Ore		881.264	160.341	1,041.605
	Content, Lbs. -	U_3O_8	5,081.78	692.70	5,774.48
		V_2O_5	46.78	-0-	46.78
Value:	U_3O_8 -	Base	$17,276.29	$4,918.17	$22,194.46
		Premiums	1,307.13	-0-	1,307.13
		Development	2,540.90	-0-	2,540.90
		Haulage	5,498.80	1,006.92	6,505.72
		Bonus	16,042.68	-0-	16,042.68
	V_2O_5		14.50	-0-	14.50
	Total		42,680.30	5,925.09	48,605.39
	Less:	Penalties	1,230.28	-0-	1,230.28
		Charges	775.17	1,660.20	2,435.37
	Proceeds		$40,674.85	$4,264.89	$44,939.74
Royalty @ 5%			$ 2,033.75	$ 213.25	$ 2,247.00

Up until January 10, 1961, the Operator ignored requests for payment of the $265.65, stated in the prior Report of Royalty Review as being delinquently due royalty. At that time he remitted $100.00 on account and promised to liquidate the balance by two monthly payments. As this promise was not fulfilled and the Operator ignored a demand for payment, the indebtedness was considered administratively uncollectible and reported to the Claims Division of the U. S. General Accounting Office. Liquidation of the indebtedness was effected through that office during October 1961.

Royalty on the two settlements during the period of this review was deducted and remitted by the purchaser.

Under the provisions of this contract, the Operator is obligated, as principal if the producer or as surety if not the producer, to pay the Government's percentage royalty on all minerals produced from land under the contract.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) The files indicate that all sales of production have been reported and proper royalty thereon paid; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

MME Form 22
Dec. 60

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name and Address

JOSEPH W. WALSH

4925 Montview Blvd.

Denver 7, Colorado

Contract No.	Docket No.
Idm E915	DMEA-3919

Prepared by (Signature)	Date
Hugh M. Connors	11-27-61

Hugh M. Connors

Yes	No		
X		1.	(a) Does the Operator stockpile ore subject to royalty repayment?
?			(b) If so, is segregation and identification procedure adequate?
	X	2.	(a) Does the Operator commingle production subject to DMEA or OME royalties with exempt production?
			(b) If so, is the allocation of the commingled production equitable?
X		3.	(a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?
			(b) If so, are adequate records maintained on such material to protect the Government's interest?
?		4.	Are the assay controls in effect adequate?
?		5.	Does the manner of disposing of production give the Government its fair royalty returns?
	X	6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties?
	X	7.	Does the Operator buy from or sell to other Operators?
		8.	Current status of property. (Check one).
X			Operating.
			Inactive.
			Abandoned.
			Date of last production if not operating.

Comment on items 1(b), 2(b), 3(b), and 4 to 6, if answer is No:

Please disregard MME Form 22 dated 11-17-61. Royalty was received on the two shipments of ore in the first half of 1961. HMC

84861-60

MME Form 22
Dec. 60

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

Operator's Name and Address

Joseph W. Walsh

4925 Montview Blvd.

Denver 7, Colorado

Contract No.	Docket No.
E915	DMEA-3919

Prepared by (Signature)	Date
Hugh M. Connors	11-17-61

Hugh M. Connors

Yes	No		
X		1.	(a) Does the Operator stockpile ore subject to royalty repayment?
?			(b) If so, is segregation and identification procedure adequate?
	X	2.	(a) Does the Operator commingle production subject to DMEA or OME royalties with exempt production?
			(b) If so, is the allocation of the commingled production equitable?
X		3.	(a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?
?			(b) If so, are adequate records maintained on such material to protect the Government's interest?
		~~4.~~	~~Are the assay controls in effect adequate?~~
Not Yet		5.	Does the manner of disposing of production give the Government its fair royalty returns?
	X	6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties?
	X	7.	Does the Operator buy from or sell to other Operators?
		8.	Current status of property. (Check one).
X			Operating.
			Inactive.
			Abandoned.
			Date of last production if not operating.

Comment on items 1(b), 2(b), 3(b), and 4 to 6, if answer is No:

Two shipments of ore were made from this property during the first half of 1961 on which this office received no royalty. I have requested the mill to forward me two copies of settlement sheets.

84861-60

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Office of Minerals Exploration, Washington, D. C., pertaining to Contract No. Idm-8915, Docket No. DMEA-3919 (Uranium), dated February 3, 1956, with

Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as Mona Mine located in Jefferson County, Colorado, during the period October 7, 1958, through October 5, 1960.

A certification of discovery or development was issued on June 23, 1958, and, in accordance with Article 8 and Amendment No. 5 of the contract, royalty is payable on all minerals mined or produced from the land described in Article 2 of the contract for a period of 13 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review in lieu of final audit dated November 3, 1958, indicated accepted costs under the exploration contract amounting to $18,187.51 with the Government's contribution, on a 75 percent basis, being $13,640.63.

The scope of review and the reasons therefor are stated on page 2.

This review established the total sales of uranium ore for the period to be $7,473.82. Royalty due the Government at rates specified in the contract is $373.70.

A prior Report of Royalty Review found the sales subject to Government royalty through October 6, 1958, to be $33,201.03 which added to the sales for this subsequent period make a total of $40,674.85. The royalty account as of October 6, 1958, was:

Total Royalty Due	$1,660.05
Total Royalty Paid	1,238.96
Balance of Royalty Due	$ 421.09

At October 5, 1960, the royalty account of this project was found to be:

Total Royalty Due	$2,033.75
Total Royalty Paid	1,768.10
Balance of Royalty Due	$ 265.65

C. E. Fisher

C. E. Fisher, OME Auditor

October 26, 1960

Idm-E915 Joseph W. Walsh DMRA-3919

Scope of Review and Reasons Therefor

My review included a tabulation and recomputation of copies of settlement sheets received in support of royalty paid, plus two settlement sheets on which royalty has not been received as of the date of this report. This tabulation is filed with my audit work-papers and is summarized on the attached Exhibit "A". The balance of royalty due the Government ($265.65) relates to proceeds in connection with Cotter Corporation liquidation No. 1, dated July 3, 1959, and Susquehanna Western, Inc., liquidation No. 606, dated February 23, 1960, as follows:

Liq. No.	SDT Ore	Proceeds Rec. Station	AEC Bonus	Total	Per SDT	Royalty due @ 5%
1	70.172	$2,090.74	$1,375.36	$3,466.10	$49.39	$173.31
606	54.644	814.02	1,032.78	1,845.80	33.80	92.34
				Total		$265.65

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) Reports by field representatives of the Government and other correspondence and documents in the Washington office files indicate that all production subject to royalty since the date of the exploration contract has been accounted for and proper royalty has been paid, except as indicated; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

Exhibit "A"

Idm-E915 | Joseph W. Walsh | DMEA-3919

Summary of Production, Sales and Royalty

Period	2/3/56 to 10/6/58	10/7/58 to 10/5/60	2/3/56 to 10/5/60
Production			
Ore - SDT	694.955	186.309	881.264
U_3O_8 - Pounds	4,005.59	1,076.19	5,081.78
" - " excess 4#/SDT	1,405.50	330.95	1,736.45
" - " " 10#/SDT	19.12		19.12
V_2O_5 - Pounds	46.78		46.78
Value			
U_3O_8 - Base	$13,509.63	$3,766.16	$17,276.29
" - Excess 4#/SDT	1,054.14	248.21	1,302.35
" - " 10#/SDT	4.78		4.78
V_2O_5	14.50		14.50
Development allowance	2,002.82	538.08	2,540.90
Haulage allowance	4,345.96	1,152.84	5,498.80
Excess lime penalty	(1,230.28)		(1,230.28)
Sampling charge	(10.15)		(10.15)
Milling charge		(765.02)	(765.02)
Totals Receiving Stations	$19,691.40	$4,940.77	$24,632.17
AEC Production Bonus	15,509.63	2,533.05	16,042.68
Total value subject to royalty	$35,201.03	$7,473.82	$40,674.85
Royalty Due	$ 1,660.05	$ 373.70	$ 2,033.75
Royalty Paid	1,660.05	108.05	1,768.10
Balance of Royalty Due	$ -0-	$ 265.65	$ 265.65

MME Form 22
April 59

DEPARTMENT OF THE INTERIOR
Office of Minerals Exploration

CHECK SHEET OF EXAMINING ENGINEER

OFFICIAL FILE COPY O. M. E. RECEIVED OCT 7 1960		
DATE	INITIALS	CODE
10-7	gad	VVO
		800
Docket No. DMEA 3919		

Operator's Name Joseph Walsh

Address 4925 Montview Blvd.

Denver 7, Colorado

Exploration Contract No. Idm E915

		Check One Yes	Check One No
1.	(a) Does the Operator stockpile ore subject to royalty repayment?		X
	(b) If so, is segregation and identification procedure adequate?		
2.	(a) Does Operator commingle production subject to DMEA or OME royalties with exempt production?		X
	(b) If so, do you consider the allocation of the commingled production equitable?		
3.	(a) Does the Operator stockpile mine or mill rejects (low grade ore, tailing, middlings, etc.) that may have potential value within the royalty payment period?		X
	(b) If so, are adequate records maintained on such material to protect the Government's interest?		
4.	Do you consider the assay controls in effect are adequate?	X	
5.	Do you consider that the manner of disposing of production gives the Government its fair royalty returns?	X	
6.	Do your periodic examinations of operations indicate the Operator is properly reporting his production of ores subject to DMEA or OME royalties?		X
7.	Does the Operator buy from or sell to other Operators?		X
8.	Comment on any item 2 (b) to 6 if answer is No.		

Operator has failed to notify this office of some shipments of ore, and has not replied to our letters demanding payment of royalty due the Government

10-5-60
Date

Hugh M. Connors
Mining Engineer
Hugh M. Connors

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERAL EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. Mr. Frank E. Johnson	FEJ	10/14
2. Mr. George C. Selfridge		
3. Mr. F. L. Knouse	FLK	10/16
4.		
5.		

FROM: Jay L. Chambers JC 10/14

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions xxx Your information

REMARKS:

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

FIRST REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, OME Field Team, Region III, Denver, Colorado, pertaining to Contract Idm-E915, Docket No. DMEA 3919 (Uranium) dated February 3, 1956, including Amendments Nos. 1 through 6, with

Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

for the purpose of determining the amount of royalties due the United States Government on the sale of Uranium bearing ores produced from the Hoffmeister Prospect, commonly known as the Mesa Mine located in Jefferson County, Colorado, during the period February 3, 1956 through October 6, 1958.

The status of the project, scope of the review and reasons therefor are stated on Page 2.

My review established the total sales of Uranium bearing ores for this period to be $33,201.03. Royalty due the United States Government at the contract rate of 5 percent is $1,660.05. The royalty paid and the balance due are as follows:

Total Royalty Due	$1,660.05
Total Royalty Paid	1,238.96
Balance of Royalty Due	$ 421.09

(See Schedule No. 2 attached)

Donald F. Finch
Donald F. Finch, OME Auditor

October 7, 1958

STATUS OF THE PROJECT, DESCRIPTION OF REVIEW
AND REASONS THEREFOR

CONTRACT I4m-E915 DOCKET EMEA-3919

The exploration work under the contract has been completed. Report of Review for cost of exploration has not been completed pending receipt of Operator's final engineering and geological report. The Field Team, Region III, has accepted (subject to final audit or review) total costs reflected by the Operator's MP-104 report for June, 1958, of $18,187.51; the Government's participation at 75 percent being $13,640.63. The Field Team has withheld $500.00 of the Government's participation pending receipt of Operator's final report and the completion of Report of Review by the Contract Administration and Audit Division. Net payments by the Government have therefore been $13,140.63.

A Certificate of Discovery or Development dated June 23, 1958, has been issued. In accordance with the contract, royalty is payable on all minerals mined or produced from the land described in Annex No. 1, Article 2 for a period of 13 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

My review included a tabulation and recomputation of all ore settlement sheets and load sheets in the files of the Executive Officer, OME Field Team, Region III, for the period February 3, 1956 through October 6, 1958, and correspondence with the Chief of Accounting Branch, Finance Division, Field Operations Office, Atomic Energy Commission, Grand Junction, Colorado.

The producer's reported sales were reconciled with the production records maintained by AEC. The Operator's unused balance of 5,995.41 lbs. U_3O_8 available for AEC production bonus was also confirmed with AEC. Royalties paid were reconciled with the OME Finance Office, Denver, Colorado.

The review was made in lieu of an on-site audit of the producer's accounts for the following reasons:

(a) All reported production was reconciled with records of the Atomic Energy Commission.

(b) The Examining Engineer is of the opinion all sales of production are accounted for.

(c) The administrative cost to the Government of an on-site audit at this time would be excessive in relation to the amount of possible additional royalty which might be disclosed.

Schedule No. 1

JOSEPH W. WALSH

SUMMARY OF PRODUCTION, SALES AND ROYALTIES

MESA MINE

CONTRACT Idm-E915 DOCKET NO. DMRA-3919

Purchaser	Union Carbide Nuclear Co.	Lucius Pitkin, Inc.	Total
Period	2/3/56 to 9/21/56	9/22/56 10/6/58	2/3/56 to 10/6/58
Gross Weight, Lbs.	92,440	1,336,070	1,428,510
Dry Weight, Lbs.	91,984.70	1,297,930	1,389,914.7
Dry Weight, Tons	45.99	648.965	694.955
Assays (Average)			
U_3O_8	.3668	.2826	.2882
V_2O_5	.05	-	Trace
Pounds U_3O_8	337.43	3,668.16	4,005.59
Base Payment U_3O_8	$1,181.02	$12,328.61	$13,509.63
Development Allowance	$ 168.73	$ 1,834.09	$ 2,002.82
Premiums			
Excess 4 lbs. U_3O_8 per Ton			
Excess lbs. U_3O_8	153.47	1,252.03	1,405.50
Amount at 75¢ per excess lb.	$ 115.10	$ 939.04	$ 1,054.14
Excess 10 lbs. U_3O_8 per Ton			
Excess lbs. U_3O_8	10.57	8.55	19.12
Amount at 25¢ per excess lb.	$ 2.64	$ 2.14	$ 4.78
Haulage Allowance			
Gross Weight, Tons	46.22	668.035	714.255
Average per Ton	7.31	6.00	6.08
Haulage Allowance	$ 337.75	$ 4,008.21	$ 4,345.96
Pounds V_2O_5	46.78	-	46.78
Amount at 31¢ per lb.	$ 14.50	-	$ 14.50
Excess Lime Penalty	$ 175.28	$ 1,055.00	$ 1,230.28
Sampling Charges		$ 10.15	$ 10.15
Total Receiving Station Payments	$1,644.46	$18,046.94	$19,691.40
A.E.C. Production Bonus	1,181.02	12,328.61	13,509.63
Total Value Subject to Royalties	$2,825.48	$30,375.55	$33,201.03
Average Value per Dry Ton	$ 61.44	$ 46.81	$ 47.77
Royalty Percentage	5%	5%	5%
Royalties Due	$ 141.27	$ 1,518.78	$ 1,660.05
Royalties Paid	141.27	1,097.69	1,238.96
Balance Royalties Due (See Schedule No. 2)	$ 0.00	$ 421.09	$ 421.09

The last liquidation settlement in the above is Lucius Pitkin, Inc. dated 7/25/58.

The last Certificate of Deposit included in the above is No. CD 59-29 dated 8/15/58.

Schedule No. 2

JOSEPH W. WALSH

SCHEDULE OF BALANCE OF ROYALTIES DUE

CONTRACT Idm-E915

DOCKET NO. DMEA-3919

Purchaser	Date 1958	Liquidation Settlement No.	Balance of Royalty Due
Lucius Pitkin, Inc.	6-30	4693	$140.76
	6-30	4694	114.88
	6-30	4695	93.62
	7-25	4749	71.83
Total Balance of Royalties Due			$421.09

Docket copy

CERTIFICATION BY THE UNITED STATES OF AMERICA OF A DISCOVERY OR DEVELOPMENT UNDER AN EXPLORATION PROJECT CONTRACT

To: Mr. Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Pursuant to the provisions of Exploration Project Contract No. Idm-E915, dated February 3, 1956, (Docket No. DMEA-3919), hereinafter called the "contract," between you and the United States of America, hereinafter called the "Government," to establish and fix the Government's percentage royalty on production and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows:

Underground exploration in section 26 exposed uranium mineralized bodies of ore grade along a breccia zone in metamorphic rocks of Precambrian age.

Dated: JUN 23 1958

THE UNITED STATES OF AMERICA

By C. Mittelsdorf
Administrator, Defense Minerals
Exploration Administration

Lucas
Chambers
Long
Rodger
Selfridge
Asst. Sol. Off.
Johnson

FLKnouse/gla
6-18-58
cc to:
Operator
Oscar Dahlberg, Golden, Colorado
Louis E. Bolés, Golden, Colorado
Jesse C. Johnson, Director, Div. of Raw Materials, AEC
Elton A. Youngberg, AEC Grand Junction Operations Office
Contract Adm. & Audit Division
DMEA Field Team, Region III (2)
Finance Office
Docket
Admr.'s Reading File
F. E. Johnson
Operating Committee
Frank D. Lamb, Rm. 3608
T. H. Kiilsgaard, Rm. 5224
F. L. Knouse

-6 REFERENCE SLIP

56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

	INITIALS	DATE
Mr. ~~Frank Johnson~~	FSJ	11/7
2. ~~Mr. George Selfridge~~		
3. Mr. F. L. Knouse		
4. Mr. F. L. Knouse		
5.		
FROM: Jay L. Chambers JLC		11/7

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions XXX Your information

REMARKS:

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Joseph W. Walsh
4985 Montview Blvd.
Denver 7, Colorado.

pertaining to Exploration Project Contract No. Idm-R915, DMEA No. 3919, including Amendments Nos. 1 through 7, for the period February 3, 1956 to June 30, 1958, inclusive, covering a project for the exploration of Uranium on property known as Hoffmeister Prospect (Mena Mine) located in Jefferson County, Colorado.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, verification of work performed by reference to Field Team reports and correspondence, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the reasons given on the attachment to this report.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor		$18,211.70
Exceptions: (Schedule attached)		
Prior to this review	$24.19	
Herewith	0.00	24.19
Total Accepted Cost		$18,187.51

The contract calls for a 75 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of Thirteen thousand, six hundred forty and 63/100ths Dollars is valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

Amount payable to Operator	$13,640.63
Amount reimbursed	13,140.63
Balance due Operator	$ 500.00

Pd 11/19/58 Ts
Apr. (less $421.09 Royalties due)

Donald T. Finch
Donald T. Finch, OME Auditor.

November 3, 1958

REASONS FOR REPORT OF REVIEW IN LIEU OF FINAL AUDIT

JOSEPH W. WALSH

CONTRACT Idm-E915 DOCKET IMEA-3919

(a) The Monthly Reports were supported by documentary proof of that portion ($13,187.87) of the costs which covered work performed at unit rates under independent contracts (per summary attached.)

(b) The balance ($4,999.64) was supported by documentary proof of the costs incurred under contract provisions for contribution by the Government on the basis of actual costs incurred (per summary attached.)

(c) The administrative cost to the Government of an audit would be excessive in relation to the estimated amount of possible disallowances thereunder.

SUMMARY OF DOCUMENTED COSTS

JOSEPH V. WALSH

CONTRACT 14m-1915 | DOCKET NUMBER 3919

		STAGE I	STAGE II	TOTAL
Independent Contracts				
Bulldozing: 65½ hours @ $12.00/hr.		$ 783.00		$ 783.00
Bulldozing: 5½ hours @ $11.5909/hr.			$ 63.75	63.75
Drifting: 337.167 feet @ $28.95/ft.		9,760.97		9,760.97
Diamond Drilling: 501 feet @ $5.00/ft.			2,505.00	2,505.00
Radiometric Probing: 501 feet @ 15¢/ft.			75.15	75.15
Total Independent Contracts		$10,543.97	$2,643.90	$13,187.87
Other Documented Costs				
Drifting Operator's Gas Crew				
66.833 feet at total cost of	$2,888.51			
Adjusted to conform to limitation, Page 2, Exhibit A of Contract of maximum of $28.95 per foot	374.68	$ 2,513.83		$ 2,513.83
Supervision		1,300.00	875.81	2,175.81
Core Boxes				
40 boxes at total cost of	$ 39.45			
Adjusted to conform to limitation, Page 2, Exhibit A of Contract of maximum of 75¢ each	9.45		30.00	30.00
Chemical Analyses @ $5.00 each		160.00	20.00	180.00
Accounting: 2 mos. by Certified Public Accountant @ $50.00/mo.			100.00	100.00
Total Other Documented Costs		$ 3,973.83	$1,025.81	$ 4,999.64
TOTAL ACCEPTED COSTS		$14,517.80	$3,669.71	$18,187.51

SCHEDULE OF EXCEPTIONS

Prior to this Review

Supervision

10 hours of Supervision claimed in excess of actual reported time of 52 hours for May, 1958, disallowed by Field Team $24.19

OPTIONAL FILE COPY
DMEA 3
RECEIVED MAY 24 1958

DATE	INITIALS	CODE

Government's Copy

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA 3919
CONTRACT NO. Idm-E915

AMENDMENT NO. 7

It is ~~agreed~~ this 9th day of May, 1958, between the United States of America, acting through the Department of the Interior, ~~Defense~~ Minerals Exploration Administration, hereinafter called the "Government," ~~and~~ Joseph W. Walsh, hereinafter called the "Operator," parties to that certain exploration Project Contract No. Idm-E915, Docket No. DMEA 3919, dated February 3, 1956, hereinafter called the "Contract," that the Contract is further amended as follows:

In lieu of drilling all five (5) Stage II drill holes from the surface as provided for by Amendment No. 3, dated April 22, 1957, three (3) of the holes may be drilled to the same objectives from points in the 100-foot level workings which were driven solely at the Operator's expense without contribution by the Government.

Preparation of underground drill stations is not considered necessary; therefore, any costs incurred by the Operator in preparation of drill stations will not be allowed as costs to the project to which the Government contributes its appropriate share under the terms of the contract.

The exact location, extent, and attitude of the three possible drill holes from underground stations are subject to prior written approval by the Government.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Executed in quintuplicate the day and year first above written.

UNITED STATES OF AMERICA

Joseph W. Walsh
Joseph W. Walsh
Operator

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

ORIGINAL FILE COPY
DMEA
RECEIVED APR 4 1958

Government's Copy

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA 3919
CONTRACT NO. Idm-E915

AMENDMENT NO. 6

It is agreed this 26th day of March, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Joseph W. Walsh, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E915, Docket No. DMEA 3919, dated February 3, 1956, hereinafter called the "Contract," that the Contract is further amended as follows:

Referring to Amendment No. 3, dated April 22, 1957, item 3, delete the third paragraph, which reads:

"The depths, directions, and inclinations that these holes shall be drilled are as follows:"

and in lieu thereof, substitute the following:

"The tentative depths, directions, and inclinations for the drilling of these holes are as follows, which may be varied to fit conditions found to exists, such variation subject to the prior written approval by the Government."

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Executed in quintuplicate the day and year first above written.

Joseph W. Walsh
Joseph W. Walsh (Operator)

UNITED STATES OF AMERICA

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

Government's copy

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 19 1958

DATE	INITIALS	CODE
3/19	ZZK	700

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA-3919

AMENDMENT NO. 5

It is agreed this 10th day of March, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Joseph W. Walsh, hereinafter called the "Operator," that Exploration Project Contract No. Idm-E915, Docket No. DMEA 3919, dated February 3, 1956, hereinafter called the "Contract," as amended, is further amended as follows:

1. The date fixed by Amendment No. 4 for completion of the work is extended from November 1, 1957, to June 30, 1958.

2.(a) Work under the Contract shall be suspended during the period beginning September 10, 1957, and ending not later than April 1, 1958.

(b) The Government shall not contribute to any costs incurred by the Operator during the period of suspension, nor to any costs of rehabilitation or repair which in its opinion would not have occurred if there had been no suspension of work.

(c) The Operator at his own cost and expense, without contribution by the Government, during the period of suspension shall preserve and protect the project work.

3. The maximum period for royalty payments and the lien to secure the payment thereof, provided for in the Contract, is increased from twelve (12) to thirteen (13) years.

4. It is of the essence of this Contract that the work be resumed on or before the termination of the period

here fixed for suspension, and be completed before the termination of the period fixed for completion; and if not so resumed and completed, in the manner required by the Contract, the following provisions shall thereupon become effective:

(a) The Contract and all obligations of the parties thereunder, except as hereinafter otherwise provided, shall be and are hereby terminated, as follows:

(i) Effective October 1, 1956, if the work has not been resumed on or before April 1, 1958.

(ii) Effective June 30, 1958, if the work is resumed on or before April 1, 1958, but is not completed on or before June 30, 1958.

(b) The Government will contribute only to allowable costs incurred prior to the relevant effective date set forth in 4(a) above.

(c) The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

(d) All rights of the Government respecting percentage royalty and liens to secure the payment thereof, reports (including preservation of Operator's records), accounts, audits, and the right to recover any overpayment, are hereby preserved.

(e) The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of the Contract, except as otherwise provided for in this Amendment No. 5.

This Amendment shall not be construed to increase the estimated total cost of the project, the aggregate total

Long
Langer
"Appd. Sec. Int."

amount which the Government may be required to contribute, nor the fixed unit cost of any item of work.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By O. Whitteudorp
Administrator, Defense Minerals
Exploration Administration

Knouse (ELR)
Ellis
Martin
Talbot
Johnson

Joseph W. Walsh
JOSEPH W. WALSH (Operator)

Government's Copy

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 15 1957

DATE	INITIALS	CODE

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA 3919
CONTRACT NO. Idm-E915

AMENDMENT NO. 4

It is agreed this 31st day of July, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Joseph W. Walsh, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E915, Docket No. DMEA 3919, dated February 3, 1956, hereinafter called the "Contract," that:

1. The date fixed in Article 3 on or before which the work shall be completed, as amended by Amendment No. 3, is extended from August 1, 1957 to November 1, 1957.

2.(a) Work under the Contract shall be suspended during the period beginning October 1, 1956 and ending not later than September 10, 1957.

(b) No costs incurred by the Operator during the period of suspension of operations shall be allowable for contribution by the Government, and the Government shall not contribute to any costs of rehabilitation or repair which, in its opinion, would not have occurred if there had been no suspension of the work.

(c) The Operator, at his own cost and expense, without contribution by the Government, during the period of suspension of operations shall preserve and protect the project work and any property in which the Government has an interest.

3. The maximum period for payment of royalty and lien for payment thereof, provided for in the Contract, is increased to twelve (12) years from the date of the Contract.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Executed in quintuplicate the day and year first above written.

OPERATOR

By Joseph W. Walsh
Joseph W. Walsh

UNITED STATES OF AMERICA

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

Government's Copy

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA-3919

Amendment No. 3

It is agreed this 22nd day of April, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration (hereinafter called the "Government"), and Joseph W. Walsh (hereinafter called the "Operator"), that Exploration Project Contract No. Idm-E915, Docket No. DMEA-3919, dated February 3, 1956, as amended, (hereinafter called the "Contract"), is further amended as follows:

1. In Article 3 of the contract, the date fixed for completion of the work is further extended from May 1, 1957, to August 1, 1957.

2. In Exhibit "A" under Description of the Work, add to the first paragraph:

> "The work also includes diamond core drilling from the surface to explore for the downward projection of the mineralized breccia (Mena vein) below the adits completed in Stage I."

3. In Exhibit "A" under Description of the Work, Stage II drifting is deleted and a new Stage II is substituted, as follows:

> "Prepare access roads and drill sites with a Model D-8 Caterpillar tractor w/dozer or an equivalent size unit, and drill five diamond core holes at the locations marked Nos. 1 through 5, on the attached map entitled 'Geologic Map Hoffmeister Prospect, Mena Mine, Jefferson County, Colorado.'
>
> "The depths, directions, and inclinations that these holes shall be drilled are as follows:

Hole No.	Direction	Inclination	Depth Feet
1	S 75° W	-67°	200
2	S 78° W	-45°	200
3	S 35° W	-45°	200
4	S 75° W	-45°	200
5	S 33° W	-45°	200

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 1 1957

DATE	INITIALS	CODE
5-1	C	220
		700

"Each hole shall be drilled with a diamond core bit. The minimum size of core shall be AX. All holes shall be reamed and cased as necessary.

"All core and cuttings from each hole shall be saved and checked for radioactivity. Cored sections indicating significant radioactivity shall be split into halves, and one-half of the drill core shall be analyzed chemically for U_3O_8 and the other half of the core and one-half of the cuttings from all the mineralized sections shall be furnished to the Government upon request. All the remaining core and cuttings shall be properly boxed, labeled, and stored pending the Government's final inspection.

"All drill holes shall be logged geologically and probed for radioactivity, and four copies of each log shall be furnished to the Government with the Operator's monthly report. No payment shall be made for an incompleted drill hole."

4. In Exhibit "A" under Estimated Costs of the Project, the estimate for Stage II is revised to read as follows:

"Category (1) Independent Contracts 2/

8 hours of actual operating time, tractor w/dozer, including operator and all necessary costs of bulldozing whatsoever, @ $12.00/hr.	$ 96.00	
1,000 feet of core drilling @ $5.00/ft.	5,000.00	
1,000 feet of radiometric hole probing @ $0.15/ft.	150.00	$5,246.00

Category (2) Personal Services

Subcategories (a) and (b) Supervision and Technical Services

1 Supervising engineer, $2\frac{1}{4}$ months @ $400.00/mo.	$ 900.00	

2/ The provision in footnote 1/ of Exhibit "A" respecting the Operator's election shall also apply to the drilling. However, if an independent contractor performs the drilling, the allowable unit cost per foot of drilling shall be the average unit cost per foot computed on the basis of all the actual unit costs of drilling incurred by the Operator: Provided, That the Government will not contribute to any portion of an average unit cost that exceeds the estimated unit cost of drilling.

Subcategory (c) Labor None

Category (3) Operating Materials and Supplies

40* Cardboard core boxes @ $0.75* each $ 30.00

Sample sacks 10.00* $ 40.00

Category (4) Operating Equipment None

Category (5) Initial Rehabilitation and Repairs None

Category (6) New Buildings, Fixtures and Installations None

Category (7) Miscellaneous

20* Chemical analyses for U_3O_8 @ $5.00*/each sample $100.00

Accounting and office expense, $2\frac{1}{4}$ months @ $50.00*/mo. 112.50 212.50

Estimated Total Cost, Stage II (originally $7,495.00) $6,398.50"

5. In Exhibit "A" under Estimated Costs of the Project, the totals are revised to read as follows:

"Estimated Total Cost of Project (rounded to) $21,508.00

"Government Participation @ 75 percent $16,131.00"

6. In Article 5 of the contract, the figures "$21,508.00" and "$16,131.00" are substituted for the figures "$22,604.00" and "$16,953.00," respectively.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C. Mittenzwey
Administrator, Defense Minerals Exploration Administration

Joseph W. Walsh
Joseph W. Walsh

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

DOCKET COPY

April 8, 1957

Memorandum

To: The File

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

JUSTIFICATION FOR AMENDMENT NO. 3

The Operator proposed and the Field Team and commodity members have recommended a program of diamond drilling to explore the mineralized breccia (Mena vein) below the adits completed in Stage I in lieu of additional drifting allowed for Stage II work.

Two adit drifts along the mineralized breccia, totaling 424 feet, have been completed, 224 feet in the south adit and 200 feet in the north adit. The portals of the adit drifts are on the sides of a draw and are about 125 feet apart. Two short ore shoots, 20 and 30 feet long, were found near the portal of the north drift and 247 tons of ore, containing 0.324 percent U_3O_8, were sold from the largest ore shoot. Another ore shoot, about 20 feet long, was found near the portal in the south drift. Mineralization found farther ahead of the ore shoots in each drift has not been encouraging and further drifting along the structure is not deemed advisable. Since there is ore showing near the portals of each adit, exploration of the vein down dip between the adits and also below the ore shoots is considered justified. Also, it is believed that the Operator lost the vein in the south drift and further exploration down dip ahead of the ore is deemed advisable.

Because of the short ore shoots, a diamond-drilling program is designed to explore along the vein about 100 feet down dip below the adits at intervals of 75 feet.

I recommend that Amendment No. 3, which allows the drilling of the above recommended holes, be approved.

F. L. Knouse

F. L. Knouse

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA 3919
CONTRACT NO. Idm-E915

RECEIVED
NOV 23 1956
D.M.E.A.

AMENDMENT NO. 2

It is agreed this 14th day of November, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Joseph W. Walsh, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E915, Docket No. DMEA 3919, dated February 3, 1956, hereinafter called the "Contract," that:

1. The date fixed in Article 3 of the Contract form, as amended by Amendment No. 1, as the date on or before which the Operator shall have completed the work, is extended from December 1, 1956, to May 1, 1957.

2. The maximum period for payment of royalties and lien for payment thereof, provided for in the Contract, is increased to eleven (11) years from the date of the Contract.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Executed in sextuplicate the day and year first above written.

OPERATOR

By Joseph W. Walsh
Joseph W. Walsh

UNITED STATES OF AMERICA

By W. M. Davis
Executive Officer, DMEA
Field Team, Region III

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA 3919
CONTRACT NO. Idm-E915

RECEIVED
JUL 30 1956

AMENDMENT NO. 1

It is agreed this 17th day of July, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Joseph W. Walsh, hereinafter called the "Operator," parties to that certain Exploration Project Contract No. Idm-E915, Docket No. DMEA 3919, dated February 3, 1956, hereinafter called the "Contract," that:

1. The date fixed under "Article 3" of Exploration Project Contract form MF-200 (Revised June 1954) as the date on or before which the Operator shall have completed the work is extended from "August 1, 1956" to "December 1, 1956."

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

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

OPERATOR

Joseph W. Walsh
Joseph W. Walsh

DMEA
Date Rec'd.

JUL 25 1956

BUREAU OF MINES
Denver, Colorado

Gove[illegible]ent's copy

RECEIVED

FEB 13 1956

MF-200
(Revised June 1954)

Docket No. DMEA -3919

Commodity Uranium

Contract No. Idm-E 915

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

It is agreed this FEB 3 1956 day of ....., 195..., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] Joseph W. Walsh, whose mailing address is Room 830, First National Bank Building, Denver, Colorado, hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200), the attached Exhibit "A," Annex I, and two maps, Figure 2 and Figure 3.

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Colorado, County of Jefferson, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] lessee-optionee of [5] mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] agreement, [7] recorded in Book 909, page 341-349, official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: none

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

of the land (lessor, seller, optionor, etc.), are attached, as follows: **"Consent to Lien" and "Subordination Agreement" of Oscar Dahlberg and Louis E. Bolis, both dated November 29, 1955.**

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 8, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 8(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of **Uranium** The work to be performed is described in Exhibit "A." The Operator on or before March 1, 1956, shall commence the work, and on or before **August 1, 1956** (unless the Operator's obligation to prosecute the work is terminated—see Article 10) shall ~~either~~ have completed the work, ~~exclusive of allowable costs (see Article 8) in excess of the estimated total allowable costs set forth in Exhibit "A"~~ **except as otherwise provided in Exhibit "A" with respect to stages of work.**

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Independent contracts.*—To the extent that the allowable costs are estimated in Exhibit "A" with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed; but if the reference in Exhibit "A" to any such independent contract requires the Government's approval thereof, payments under such contract will not be allowable costs unless the Government gives its written approval of the contract. Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract and regardless of the Government's approval thereof, the Government will participate in payments to the independent contractor only on account of work performed in accordance with the provisions of this exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—The estimated total allowable cost of the project, set forth in Exhibit "A," is the sum of $**22,604.00** The Government shall contribute **75** percent of the allowable costs as they are incurred in a total sum not in excess of $**16,953.00**: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last

voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work or not in excess of the amount of the Government's contribution to the cost of property which is or may become subject to disposal as provided in Article 9(c), whichever is greater. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 7(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. "Costs incurred" mean costs that have been paid or have become due and payable, or that in the opinion of the Government have become an obligation. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Estimated costs.*—(a) *Categories of costs.*—The allowable costs of the work to which the Government shall contribute are limited to those that are direct, reasonable, necessary, and that are estimated in Exhibit "A" by categories as specified in this article. If any category or subcategory is omitted from the estimate of costs, or if the word "none" is annexed to the listing thereof, costs under such category or subcategory are not allowable. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost, and any excess over the estimated total allowable cost of the work, shall not be allowable. Any excess over the estimate of any category, subcategory, or item, either as to requirement or related cost, not indicated as a maximum shall be allowable within the limit of the estimated total allowable cost of the work. To the extent that excesses over maximums other than the estimated total allowable cost of the work may be necessary for the performance of the work, the Operator shall incur such excesses for his own account without contribution by the Government; but except for any such necessary excesses in categories, subcategories, or items thereunder the Operator is not obligated to incur more than his agreed percentage of the estimated, total allowable cost of the work. **See Article 13.**

To the extent specified in this article or in Exhibit "A" the following categories, subcategories, and elements thereof are maximums; but if not so specified either here or in Exhibit "A" they are not maximums, and may be exceeded within the limit of the estimated total allowable cost of the work:

CATEGORY (1)—INDEPENDENT CONTRACTS.—Work to be performed under independent contracts (see Article 4(b)). The estimated total amount of this category and the estimated cost of each unit of work for performance under an independent contract are maximums.

CATEGORY (2)—PERSONAL SERVICES.

Subcategory (a)—Supervision.—All elements of this subcategory (number of supervisors, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)—Technical services.—All elements of this subcategory (number of technicians, periods of employment, rates of pay, and total) are maximums.

Subcategory (c)—Labor.

CATEGORY (3)—OPERATING MATERIALS AND SUPPLIES.—Includes such items as drill bits and steel, explosives, fuel, pipe, power, small tools costing less than $50 each, timber, track.

CATEGORY (4)—OPERATING EQUIPMENT.

Subcategory (a)—Rental.—The number of each object to be rented [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

Subcategory (b)—Purchases.—The estimated total of this subcategory is a maximum.

Subcategory (c)—Depreciation.—All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)—INITIAL REHABILITATION AND REPAIRS.—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

Subcategory (a)—Initial rehabilitation and repairs of existing buildings, fixtures, and installations (exclusive of mine workings).—The estimated total of this subcategory is a maximum.

Subcategory (b)—Initial rehabilitation and repairs of operating equipment.—The estimated total of this subcategory is a maximum.

CATEGORY (6)—NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

CATEGORY (7)—MISCELLANEOUS.—Repairs and maintenance (other than initial) of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, communications, and any other items of requirement or cost that do not fall within any of the first 6 categories.

THE ESTIMATED TOTAL ALLOWABLE COST of the work is a maximum.

(b) *Nonallowable costs.*—The following costs are not allowable for contribution by the Government:

(1) *Costs of the land,* such as rental, depreciation, depletion, or other cost of acquiring, owning, or holding possession;

(2) *Indirect costs,* such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) *Previous work* performed or costs incurred before the date of this contract; and

(4) *Deferred payments.*—Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods; unless the purchase agreement is approved by the Government in writing.

(c) *Reductions in costs.*—The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original estimated total cost. This provision does not apply to receipts from production which are subject to the Government's percentage royalty under the provisions of Article 9.

ARTICLE 7. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. If the Government elects to audit said records and accounts relating to the exploration work by certified public accountant, it may do so as a cost of the work to which the Operator shall contribute. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing detailed costs incurred during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and related costs incurred.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 8. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 7) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value therof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½)

percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 9. *Interests in purchased property.*—(a) *Title and ownership.*—All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions, although title thereto shall be taken in the name of the Operator.

(b) *Preservation of property.*—Until the final disposal of any property in which the Government has an interest the Operator shall preserve and protect same for the best interest of the Government, any reasonable and necessary costs thereof to be treated as an allowable cost of the project. After the completion of the work or termination of the Government's obligation to contribute, or when such property is not in use for or needed for the work, the Operator shall neither use it without the written consent of the Government nor without paying a reasonable rental to be fixed by the Government for its interest.

(c) *Disposal of property.*—Upon the completion of the work or termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator or the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government the Operator shall not sell at any price any item of property the cost of which was more than $500, and shall not sell at less than 25 percent of the purchase price any item of property which cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or himself cares to give. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, or explosives, or pipe, or rails), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the project.

(d) *Default of the Operator re disposal.*—If within 90 days after the completion of the work or termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, or after such further time as the Government may in writing allow, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may pursue one of the following two courses: (1) the Government, by written notice to the Operator, may place upon such property what in its opinion is a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the

date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; or (2) the Government may enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 10. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon: (1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon: (1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 10 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 11. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 12. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 13. *Changes and added provisions.*—

The last sentence in the first paragraph of Article 6(a) is deleted.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By .....
Administrator, Defense Minerals Exploration Administration

JOSEPH W. WALSH
(Operator)

XXX Joseph W. Walsh

I, ..., certify that I am the ..... secretary of the corporation named as Operator herein; that ..... who signed this contract on behalf of the Operator, was then ..... of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70617-1

RECEIVED
FEB 19 1986

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA-3919

ANNEX I

The land referred to in Article 2 of the contract form consists of 320 acres all situated in sec. 26, T. 2 S., R. 71 W., 6th Principal Base and Meridian, Jefferson County, Colorado, as follows:

Northwest one-quarter (¼)	160 acres
North half of the Northeast one-quarter (¼)	80 acres
Southwest one-quarter (¼) of the Northeast one-quarter (¼)	40 acres
Northwest one-quarter (¼) of the Southeast one-quarter (¼)	40 acres
Total	320 acres

The location of the property is shown on the attached map entitled "Figure 2 - Location of Joseph W. Walsh Mineral Lease, Ralston Creek Mining District, Jefferson County, Colo. DMEA-3919."

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA-3919

RECEIVED
FEB 1 9 1953

EXHIBIT "A"

Description of the Work

The purpose of the work is to explore for uranium-bearing ore by drifting from two surface sites along a mineralized breccia vein.

Before drifting is started, about one-half (½) mile of access road shall be rehabilitated and relocated to the portals of each adit, and the adit portals shall be excavated, with a Model D-8 Caterpillar tractor with dozer or an equivalent size tractor unit.

The drifting shall be performed in two stages: Stage I shall be completed first, and as much of Stage II shall be performed as is approved by the Government. The location of the drifting for Stage I is shown in red color and for Stage II in blue color on the attached map entitled "Figure 3 - Geologic Map, Showing Recommended Exploration, Hoffmeister Prospect, Jefferson County, Colorado."

Stage I

Stage I consists of drifting 200 feet northwesterly and 225 feet southeasterly from the adit portals along the mineralized breccia vein.

Stage II

Stage II consists of not more than 225 feet of drifting along the mineralized breccia vein southeasterly from the face or end of the southeasterly drift described in Stage I.

General Provisions

The cross-sectional dimensions of the drifts shall be not less than 5 feet by 7 feet inside the timbers, and the drifts shall be timbered with standard drift sets where necessary.

The Operator shall furnish the Government with such samples as it specifies, and the method of all sampling and all sample determinations and the direction, inclination, and extent of all workings

are subject to the approval of the Government. Not more than 85 samples shall be analyzed chemically for U_3O_8 for Stage I and not more than 45 samples shall be analyzed chemically for U_3O_8 for Stage II.

The project shall be directed by a qualified engineer on a full-time basis, and he shall do the required surveying, mapping, and sampling, and shall prepare all reports required under this contract.

Estimated Costs of the Project
(In addition to maximums set forth in Article 6, an asterisk indicates maximum.)

Stage I 1/

Category (1) Independent Contracts

90 hours of operation of tractor with dozer, including operator and all other costs of bulldozing whatsoever @ $12.00/hr.	$ 1,080.00
425 feet of drift @ $28.95/ft., including timbering and all other costs of drifting whatsoever	12,303.75

Category (2) Personal Services

Subcategories (a) and (b) Supervision and Technical Services

1 Supervising engineer @ $400.00/mo. - 3-1/4 months	1,300.00

Subcategory (c) Labor

None

1/ The Operator may elect to perform the drifting in lieu of an Independent Contract, and in such event the estimates for labor under Category (2) and the estimates for Categories (3) through (7) are waived: Provided, however, that the Government will contribute to those actual costs that do not exceed on an average the estimated unit cost for drifting, computed monthly. However, allowable costs under a stage of work which exceed said maximum units may be credited against subsequent monthly vouchers for the same stage up to said maximum units. The waiver of Category (7) does not apply to estimated costs of chemical analyses.

Category (3) Operating Materials and Supplies

None

Category (4) Operating Equipment

None

Category (5) Initial Rehabilitation and Repairs

None

Category (6) New Buildings, Fixtures, and Installations

None

Category (7) Miscellaneous

85 chemical analyses for U_3O_8 @ $5.00* each/sample	$ 425.00*	
Estimated Total Cost, Stage I		$15,108.75

Stage II 1/

Category (1) Independent Contracts

225 feet of drift @ $29.20/ft., including timbering and all other costs of drifting whatsoever	6,570.00

Category (2) Personal Services

Subcategories (a) and (b) Supervision and Technical Services

1 Supervising Engineer @ $400.00/mo. - 1-3/4 months	700.00

Subcategory (c) Labor

None

Category (3) Operating Materials and Supplies

None

1/ See footnote 1/, page 2.

Category (4) Operating Equipment

None

Category (5) Initial Rehabilitation and Repairs

None

Category (6) New Buildings, Fixtures, and Installations

None

Category (7) Miscellaneous

45 chemical analyses for U_3O_8 @ $5.00* each/sample	$ 225.00*	
Estimated Total Cost, Stage II		$ 7,495.00
Estimated Total Cost of Project (rounded to)		$22,604.00
Government Participation @ 75 percent		$16,953.00

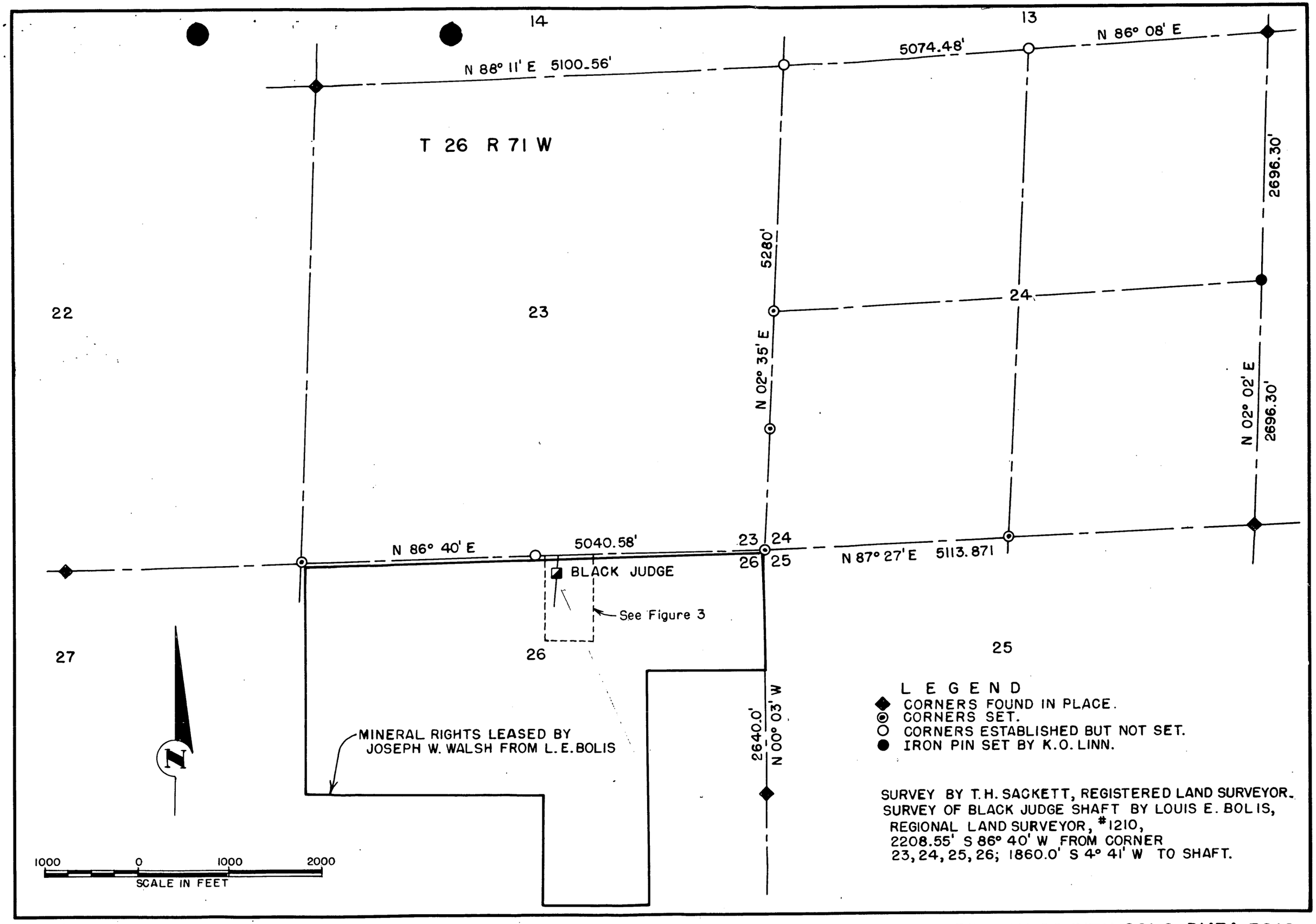
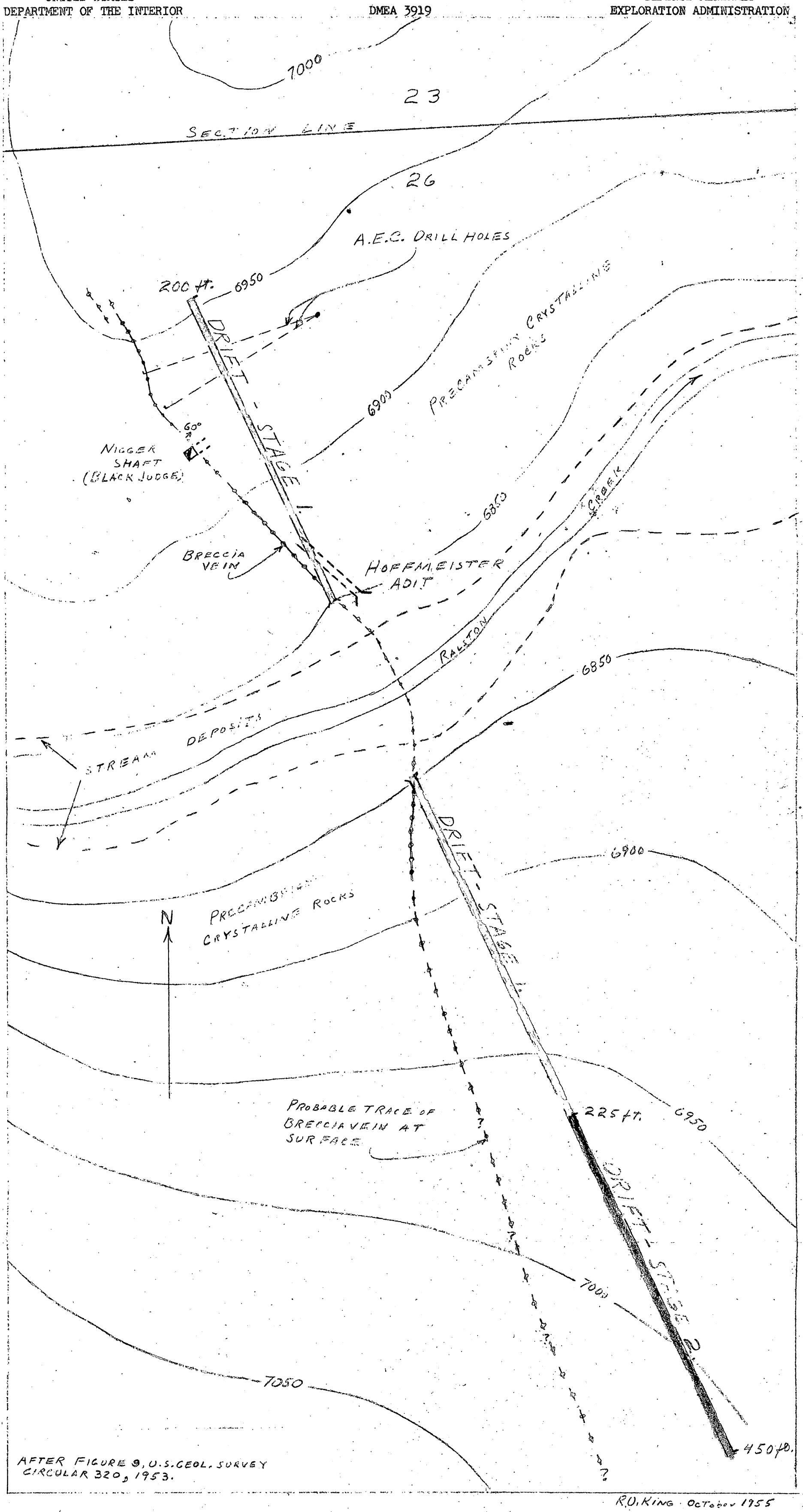


FIGURE 2 - LOCATION OF JOSEPH W. WALSH MINERAL LEASE, RALSTON CREEK MINING DISTRICT, JEFFERSON COUNTY, COLO. DMEA 3919



R.U. KING · October 1955

FIGURE 3.- GEOLOGIC MAP, SHOWING RECOMMENDED EXPLORATION, HOFFMEISTER PROSPECT, JEFFERSON COUNTY, COLORADO

0 50 100 Ft.

RECEIVED
FEB 13 1956

RECEIVED
DEC - 5 1955

MF-201
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator Joseph W. Walsh
Docket No. DMEA- 3919
Contract No. Idm-E
Contract Date

SUBORDINATION AGREEMENT

To the United States of America:

Referring to that certain land in the County of Jefferson, State of Colorado, described ~~as follows~~ in an agreement dated March 9, 1955 and recorded in Book 909, Pages 341 to 349 inclusive, official records of said county.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Subordinates whatever right, claim, lien or encumbrance the undersigned may have in or against the land to whatever interests, equities, and rights the Government may acquire under the contract (a) with respect to purchased property in or upon the land to the cost of which it has contributed, including the right to dismantle, sever, and remove it from the land; and (b) with respect to a percentage royalty on production from the land and a lien to secure the payment thereof; and

2. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Subordination Agreement; and (b) to give advance notice of this Subordination Agreement to any transferee of the right, claim, lien, or encumbrance hereby subordinated; and

3. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Subordination Agreement shall extend and apply thereto.

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

(OVER)

Dated this 29th day of november, 1955.

Oscar Dahlberg [Seal]

Louis E. Bolin [Seal]

_____ [Seal]

I, _____, certify that I am the _____ _____, (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-2
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator Joseph W. Walsh
Docket No. DMEA- 3919
Contract No. Idm-E
Contract Date

RECEIVED
DEC - 5 '5

RECEIVED
FEB 13 1956

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Jefferson, State of Colorado, described ~~as follows~~ in an agreement dated March 9, 1955 and recorded in Book 909, Pages 341 to 349 inclusive, official records of said county,

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

5% reserved royalty to Oscar Dahlberg and Louis E. Bolis

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 29 day of November, 1955.

Oscar Dahlberg [Seal]

Louis E. Boles [Seal]

[Seal]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

[Corporate Seal]

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

RECEIVED
JUL 28 1955

224 New Customhouse
Denver 2, Colorado

July 25, 1955

Memorandum

To: Secretary to the Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA assistance (Uranium), Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado

Enclosed are three copies of the subject application in the amount of $119,610.00.

The cost figures are unreasonably high and the applicant was so advised when he brought the application to this office. One copy of the application has been retained in our files.

W. M. Traver

Enclosures

W. M. Traver

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

DMEA
Date Rec'd
JUL 22 1955
BUREAU OF MINES
Denver, Colorado

RECEIVED
JUL 28 1955

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3919
Metal or Mineral Uranium
Date Received 7-28-55
Estimated Cost $119,610.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Joseph W. Walsh (an individual)
Res: 4925 Mountview Blvd., Denver, Colo.
Bus: Room 830, 1st Nat. Bank Bldg., Denver, Colo.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized. Does not apply

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. Does not apply

(*d*) If a partnership, add to the above statement the names and addresses of all partners. Does not apply

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract
See attached data.

(*b*) State any mine name by which the property is known. See attached data.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lessee; copy of lease attached.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property. Attached

(*e*) If you own the land, describe any liens or encumbrances on it There are no liens or incumbrances on the land.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. See attached details

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. See attached detail.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. See attached data.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. See attached data.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

16—66551-1

See attached data.

5. *The exploration project.*—(a) State the mineral or minerals for which you wish to explore Uranium

(b) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. See maps attached to geologic report.

(c) The work will start within 60 days and be completed within 12 months from the date of an exploration project contract.

(d) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See attached data

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(a) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.). See attached data for all estimates of cost.--------

(b) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(c) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(d) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(e) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(f) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(g) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(h) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (a) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

(b) How do you propose to furnish your share of the costs?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated July 21, 1955, 195__

Joseph W. Walsh
(Applicant)

By

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.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

PAUL H. KEATING
MINING ENGINEER

RECEIVED
JUL 28 1955

Details of Data required on Form MF-103, by Defense Mineral Exploration Administration, in the application for a contract by JOSEPH W. WALSH, 830 1st National Bank Building, Denver, Colorado, July, 1955.

Docket No._____.

Contract No._____.

1. Name of Applicant

(a) See Form MF-103.

3. Applicant's property rights:

(a) Legal description of the land:

The land concerned is in Jefferson County, Colorado, Township 2 South, Range 71 West, 6th Principal Meridian,

in Section 26, the Northwest $\frac{1}{4}$,	-	160 acres;
the North half of the Northeast $\frac{1}{4}$	-	80 acres;
the Southwest $\frac{1}{4}$ of the Northeast $\frac{1}{4}$,	-	40 acres;
the Northwest $\frac{1}{4}$ of the Southeast $\frac{1}{4}$	-	40 acres;
Total		320 acres.

(b) The property has long been known as the "Nigger Shaft", and also as the "Hoffmeister Prospect". It is the intent of the applicant to abandon the first title, and to rename the operation as the "Black Judge Mine", and to retain in correspondence and reports the "Hoffmeister Prospect".

(c) Applicant's interest in the land:

(d) See the photo-copy of the Agreement between the owners and the Lessee, attached hereto, as filed in Book 909, Nos. 341 to 349 inclusive, under date of March 11, 1955, in the Jefferson County Court House, Golden, Colorado.

ALSO, please refer to the attached receipt for the payment of $8500.00 by the Lessee to the Lessors, which validates this lease until July 1, 1956, on above purchase agreement.

(e) There are no loans nor encumbrances upon the land -

(f) leased under the attached agreement. The land does not consist of "unpatented claims", but is fee-land which includes mineral rights (except oil, gas, coal and other hydrocarbons).

4. Physical description:

(a) The mining or exploration operations on this property consist of the workings of the Hoffmeister Prospect which was abandoned as a potential copper mine, about 40 years or more ago. The objective of those operations was copper.

There is a 25 ft. shaft, a 20 ft. tunnel at the bottom of it, and a 10-12 ft. stope over this tunnel from which a man named "Hoffmeister" sought copper-bearing ores.

U. S. Geological Survey maps, which are included herewith, show in accurate detail the position, attitude, and extent of these old workings.

ALSO, there is a short tunnel, badly caved and in poor condition for exploration, about 75 feet below the above-mentioned shaft. There is no data or record of any production of anything from this tunnel; it was driven about 50 years ago, before "data" became of any importance.

These workings, of half a century ago, have no record. They require clean-up work, re-opening, and safety installations, re-timbering in a few spots. However, there are no drainage problems involved, and it is simply a matter of clean-up work to make the tunnel, shaft, and stopes useful to this requested contract.

(b) Production, reserves, et al: At the time that the above shaft-tunnel-stope work was done, there was no production, nor development extension of the effort. The area holds no prospects of "copper"; but it has great potential for fissionable material.

(c) The geologic features of the property are discussed in the attached report and maps. Much of this is based upon U. S. Geological Survey Circular #320. Several pages of this circular have been reproduced and are included in this application. The additional comments, by the Applicant's technical advisor conform, by field examination, the Survey's circular. . . .(and belief that such exploration is justified). The reasons for "wishing to explore" are based upon these motives: i.- The area is within and close to important production (Swartzwalder's Ralston Creek Mine). ii.- The geographic and geologic conditions--lithology, mineralogy, accessibility, are almost identical to the Ralston Creek mine. iii. The profit motive for free enterprise, after taxes.

(Per the last sentence in form MF-103, Sec. 4, C--it is not necessary to return any part of this application).

4. Physical Description - cont'd.

(d) The area is now accessible by two "access roads" built within the last 2 years by the Atomic Energy Commission. There is, en process, a third road whose maximum grade is 8%. The sponsor of this road is the Coors Brewing Company which owns property adjacent to the area concerned in this report; the engineer who has been hired by Coors to locate this road is Louis E. Bolus, one of the Lessors named in this application. Road-building machinery is now in operation to make this area accessible 11 months per year in terms of total working time.

The "shipping point" is a siding of the Denver & Rio Grande Western Railroad near the "Rocky Flats" plant--a "classified" operation of the government, about five miles south of Golden, Colorado. From this point, shipments will be made to the Uranium Division of the Vitro Chemical Company at, or near, Salt Lake City, Utah.

(e) "Availability of manpower, materials, supplies, equipment, water, and power":

This area is within an hour's drive, over the existing roads, of Denver, Colorado—a maximum of 18 miles. Electric power is not yet available. ALL OF THE OTHER FEATURES ARE AVAILABLE FOR OPERATIONAL NEEDS WITHIN 4 HOURS OF TIME!

5. The Exploration Project:

(a) The mineral sought is Pitchblende and other Uranium-bearing minerals (Torbernite, Metatorbernite, etc).

(b) The proposed work consists of the following: (See Sec. 6, below for cost estimates):

i.- Bulldozer work to recondition an abandoned road into the property via Crawford Gulch--approximately 3 miles. (There are no bridges to restore on this route).

The proposed work will also include a bull-dozer stripping operation of the overburden on the "warm" to "hot" spots determined by the iso-rad map included in the attached report. This map suggests a possible convergence of two veins meeting right in the present Ralston Creek bed. This possibility makes necessary the culvert mentioned in the foregoing (ii).

ii.--Installation of a 3-foot diameter culvert to by-pass Ralston Creek across the "Black Judge" (Hoffmeister Prospect) vein. This culvert should be 100 feet long, with a grid strainer to prevent debris from entering the tube. Ralston Creek contributes to the water supply of the City of Denver and should be kept free of roiling from any industrial operation.

iii.--Exploration tunnel, 5x7 feet, in two sections. The shorter section is an estimated 150 feet of extension of the Hoffmeister Prospect tunnel (see enlarged map taken from U.S.G.S. Circular 320). This old tunnel will be cleaned out,

extended southwesterly (about 12 ft.) to intersect the "Black Judge" vein and then will follow the footwall of the vein to the northerly property line.

The longer section will start on the southwesterly side of Ralston Creek, about 10 feet above the water level, and follow the footwall of the "Black Judge" vein for an estimated 450 feet.

The portals of the two sections will be very nearly at the same level, so that rolling equipment can be used in both places. It is proposed that the broken rock from the tunnel be used to cover the culvert described in ii, above.

The purpose of the 5x7 cross section of the tunnels is to give working room to mechanical loaders or "mucking machines", now available.

(b) iv.- A detailed map, showing plan and cross-sections--both transverse and longitudinal, are enclosed with the attached geologic report. This map was prepared by the U.S.G.S., and published in its Circular 320, (1953).

On a separate map in this geologic report, there has been sketched, in red pencil, the proposed exploration tunnel work.

(c) The work will start within 60 days, (probably 10 days), and will be completed within 12 months from the date of an exploration project contract.

(d) The applicant, Joseph W. Walsh has been engaged in oil production and heavy-industry operations for about 20 years. The person who will supervise the operations is the writer of this application and the attached geologic report; namely, Paul H. Keating, Golden, Colorado. I have been associated with Uranium production since 1917--in Colorado, New Mexico, Utah, and Wyoming. I hold a "registration" as both Professional Engineer and Land Surveyor in Colorado. I have been the resident mine engineer of many properties in Colorado, and am thoroughly familiar with operational problems of exploration and production. The close proximity of the "Black Judge" mine to my permanent headquarters in Golden--10 miles--will make the supervision of this operation almost continuous.

6. Estimate of Costs:

(a) It is the intent of the applicant to sub-contract as much of the work as possible, to the end of determining the maximum potential of the property in minimum time.

In all cases of sub-contract, there shall be specified that the sub-contractor shall carry his own operating insurance, and public liability coverage.

The estimates are based upon an assumption that the sub-contractor either owns or rents the mechanical equip-

ment needed to perform the work at hand; SO THAT, there shall be a minimum of mechanical equipment and physical installations on hand at the end of the proposed exploration project.

The sub-contractors will be asked to bid upon the proposed work at a price-per-unit, and that they furnish everything needed to perform the job according to the specifications of the sub-contract.

Following is an estimate of the costs of the work described in Section 5, above:

i. Bulldozer work: Reconditioning 3 miles of abandoned access road -

1000 hours @ $12.00 hr. . . . . $ 12,000.00

Stripping "warm" to "hot" areas per attached isorad survey -

200 hours @ $12.00 hr. 2,400.00

TOTAL Bulldozer expense. . $ 14,400.00

ii. Installation of 100 ft. culvert, 3 ft. diameter (to by-pass Ralston Creek to protect Denver water supply and make accessible a suspected vein intersection -

100 feet @ $30.00 ft. installed $ 3,000.00

TOTAL Culvert installation $ 3,000.00

iii. Exploration Tunnel: A total distance of the two sections described in "5-iii" of 600 feet. This tunnel is to be driven through pre-Cambrian rock, which is exceedingly hard and tough, and heterogeneous. The following figure is a maximum estimate and includes possible timbering where needed.

6. iii - cont'd.

This estimate also includes the assumption that the sub-contractor shall furnish all equipment and supplies of every nature and kind, all labor, and insurance coverage; and shall leave the applicant free of all liens and claims of whatever nature upon payment in terms of cost-per-unit.

600 feet of tunnel @ $150.00 ft. $90,000.00

(b) The applicant proposes to have a resident engineer scientist on the ground during this operation to direct the work throughout the life of the contract. The purpose of this resident direction is to keep the applicant and the Federal Agencies concerned, fully informed of the progress and discoveries made on the project, and to furnish maps and data thereon.

Competent engineer-scientist - 1 year 5,000.00

(c) Operating materials and supplies. This item is absorbed in the proposed method of exploration described in "(a)-iii." above.

(d) Operating Equipment. This item is absorbed in the proposed method of exploration described in"(a)-iii", above.

(e) Rehabilitation and Repairs. None

(f) New Buildings, etc. The applicant proposes to install an 8'x16' housing-and-office unit for the resident engineer-scientist, at the applicant's own expense. The sub-contractor will furnish his own change-house and tool-house--the cost to be absorbed in 6-(a)-iii above.

(g) Miscellaneous. The cost of repairs to and maintenance of operating equipment is included in the cost-per-foot of 6-(a)-iii above.

It is highly necessary that analytical work be carefully checked at brief intervals. When Uranium bearing minerals are "out of equilibrium", only a chemical wet-analyses can give an operator a competent answer. It is proposed that channel samples be taken at each 5 ft. interval along the exploration tunnel along the foot-wall of the vein, and that these samples be assayed by wet-chemical methods. The cost of competent wet-method assay is $10.00 per sample.

Estimated cost of assaying for control - 121 samples on 600 ft. of tunnel	@ $10.00	1210.00
Estimated cost of 100 samples from the surface stripping operation described in "5-b-i" above	@ $10.00	1000.00

(h) Contingencies: This unpredictable item is ruinous element of every operation on every level: Earthquake, flood, forest fire, atom-bomb, wind, lightning, or mechanical failure, explosion, even dumb, human stupidity and criminal motive

PAUL H. KEATING
MINING ENGINEER

by jealous or unbalanced community personnel, make this heading a valid part of any serious industrial undertaking. Your applicant respectfully requests a reserve for such or similar "contingencies" to the following amount. This request is made with the assurance that this portion of any contract that might be granted, will not be called upon without authorization by a competent officer of the Denver office of the Defense Minerals Exploration Administration. . . . . $ 5,000.00

PAUL H. KEATING
MINING ENGINEER

Summary of Estimated Costs: (Refer to Form MF-103)

Section	Letter		Subject	Estimated Costs	Sub-Totals
6	(a)	i.	Independent contracts:		
			Road work	$12,000.00	
			Surface Stripping	2,400.00	$ 14,400.00
		ii.	Culvert (by-pass of Ralston Creek, etc.	3,000.00	3,000.00
		iii.	Exploration tunnel 600 ft. @ $150.00ft	90,000.00 max.	90,000.00
	Total of "6,(a)"				$107,400.00
	(b)		Personnel (Engineer-Scientist during contract	5,000.00	5,000.00
	(c)				
	(d)				
	(e)		No itemized charge; included		
	(f)		in "6-a-iii" above		
	(g)		Analytical work (proposed tunnel)		1,210.00
			Analytical work (stripping exploration)		1,000.00
	(h)		Contingencies		5,000.00
			GRAND TOTAL of this Application. . . .		$ 119,610.00

PAUL H. KEATING
MINING ENGINEER

GEOLOGICAL REPORT

RECEIVED
JUL 28 1955

The following geological report is presented as part of an application to the Defense Minerals Exploration Administration, for a contract to explore the "Hoffmeister Prospect", in Section 26, Township 2 South, Range 71 West, 6th P.M., in Jefferson County, Colorado.

The following pages have been photographically reproduced from the United States Geological Survey Circular #320 (1953). In the pocket on the back cover are enlargements of the topographic map of Ralston Creek Quadrangle, and of the plan and cross section of existing workings of the Hoffmeister Prospect.

The report in Circular #320 has been marked with red pencil wherever the data concerns the Hoffmeister area. The actual geology and lithology of the area have been discussed by the best scientific talent available, and it is not the purpose of this writer to take issue with such findings.

Very truly yours

Paul H. Keating

Paul H. Keating
Golden, Colorado.

July 22, 1955

RECEIVED
JUL 28 1955

The following pages have been reproduced from Circular 320, (1953), of the U. S. Geological Survey

---

The particular portions of this circular that are pertinent to this report have been marked in the margin of each page in red pencil.

Date of Plat July 15, 1955

Jefferson County, Colorado

Township 2 South Range 71 West

No. 912.—The Bradford-Robinson Ptg. Co., Mfrs. Robinson's Legal Blanks, Denver

6	5	4	3	2	1
7	8	9	10	11	12
18	17	SCHOOL 16 SECTION	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	SCHOOL 36 SECTION

RED = Fee land leased from Oscar Dahlberg and L. W. Bolis by Joseph W. Walsh.

SCALE.

32 chains to one-half inch.

UNITED STATES DEPARTMENT OF THE INTERIOR
Douglas McKay, Secretary

GEOLOGICAL SURVEY
W. E. Wrather, Director

RECEIVED
JUL 28 1955

GEOLOGICAL SURVEY CIRCULAR 320

URANIUM OCCURRENCES IN THE GOLDEN GATE CANYON AND RALSTON CREEK AREAS, JEFFERSON COUNTY, COLORADO

By J. W. Adams, A. J. Gude 3d, and E. P. Beroni

This report concerns work done on behalf of the U. S. Atomic Energy Commission and is published with the permission of the Commission.

Washington, D. C., 1953

Free on application to the Geological Survey, Washington 25, D. C.

URANIUM OCCURRENCES IN THE GOLDEN GATE CANYON AND RALSTON CREEK AREAS, JEFFERSON COUNTY, COLORADO

By J. W. Adams, A. J. Gude 3d, and E. P. Beroni

CONTENTS

	Page
Abstract	1
Introduction	2
Golden Gate Canyon area	2
Union Pacific prospect	4
Buckman property	8
Ladwig No. 1	10
Ladwig No. 2	11
Golden Gate Canyon area—Continued	
Ladwig No. 3	11
Ralston Creek area	11
North Star mine	11
Schwartzwalder mine (Ralston Creek)	13
Nigger shaft (Hoffmeister prospect)	13
Literature cited	16

ILLUSTRATIONS

	Page
Figure 1. Index map of central Colorado	3
2. Index map, Golden Gate Canyon area	4
3. Map and section of the Union Pacific prospect	5
4. Assay map of walls	9
5. Geologic map of adit, Buckman property	10
6. Index map, Ralston Creek area	11
7. Map and section, North Star mine	12
8. Map of the Schwartzwalder mine	14
9. Geology of Nigger shaft	15

TABLE

	Page
Table 1. Analyses of samples	6

ABSTRACT

Pitchblende, associated with base-metal sulfides, has been found at nine localities in the northern part of Jefferson County, Colo., in shear zones that cut pre-Cambrian metamorphic and igneous rocks, chiefly hornblende gneiss, biotite schist, and granite pegmatite. The known deposits are in the vicinity of Ralston Creek and Golden Gate Canyon, in the foothills of the Colorado Front Range and about 15 miles east of the pitchblende-producing area of the Central City district. Two of the pitchblende occurrences were found by a local prospector in 1949; the seven other deposits were found by Geological Survey personnel in 1951-52.

The pitchblende deposits, with one exception, are in major shear zones that contain veinlike bodies of carbonate-rich breccia that ranges from 1 to 5 feet in thickness. The breccias probably are related to the Laramide faults, or "breccia reefs" of similar trend, mapped by Lovering and Goddard (1950). The breccias are composed of fragments of bleached and iron-stained wall rock, usually hornblende gneiss, that have been cut by veins and cemented by carbonate minerals, quartz, and orthoclase(?). Pitchblende and associated ore minerals, chiefly copper sulfides, occur in and along the margins of the breccias and apparently were introduced at a late stage of the carbonate deposition. At one deposit, the Buckman, the pitchblende is in narrow shear zones not closely related to any large breccia bodies.

Secondary uranium minerals are subordinate except at the Schwartzwalder mine, where torbernite and metatorbernite are common. Some alteration of pitchblende to nonopaque materials, believed to be

hydrated oxides, has been noted in ore from two of the deposits.

INTRODUCTION

The recent discovery of nine uranium-bearing vein deposits in pre-Cambrian rocks of northern Jefferson County, Colo., indicates a new district favorable for uranium prospecting. The known deposits are in two small areas in the foothills of the Colorado Front Range, less than 20 miles from Denver (fig. 1) and about 15 miles east from the pitchblende-producing area of the Central City district.

The initial discovery of pitchblende was probably made before 1884, as a note in Mining and Science Press (1884) for that year describes its occurrence in Jefferson County in thin seams but in "too small quantity to be economically valuable." No specific location for the deposit was given.

In the spring of 1949 samples of pitchblende and torbernite ores from the northern, or Ralston Creek, area were brought to the attention of the Atomic Energy Commission by Fred Schwartzwalder of Golden. In 1951, the first of the several occurrences in the Golden Gate Canyon area was found by members of the Geological Survey. More recently additional discoveries in both areas, have been made by members of the Survey; this work was done on behalf of the Division of Raw Materials of the U. S. Atomic Energy Commission. In all the deposits the uranium is associated with copper, and most of the occurrences had been prospected for metals as early as 1894.

Preliminary studies show striking parallelisms in the geology and mineralogy of the several occurrences that are suggestive of a common period of deposition and similar environmental conditions. In general, pitchblende occurs along the walls of fault zones that contain vein fillings of carbonate and potash feldspar rock, presumably of hydrothermal origin, and genetically related to the ore. The wall rock is usually hornblende gneiss that has been severely bleached adjacent to the veins. Breccia fragments in the vein have been wholly or partly replaced by sulfides. Copper minerals are invariably present in the veins, and include chalcopyrite, covellite, bornite, chalcocite, tetrahedrite-tennantite, malachite, and azurite. Pyrite is less abundant than chalcopyrite; galena has been noted at only two localities. Carbonates are generally abundant. Ankerite is the dominant gangue mineral of the carbonate and potash feldspar vein material and is earlier than calcite, which probably is largely postpitchblende.

The fault zones in which the pitchblende deposits occur have a similar trend and possibly are related to the extensive Laramide faults, or breccia reefs mapped by Lovering and Goddard (1950). At least one such breccia reef is present in the Ralston Creek area, 250 feet from, and roughly parallel to, a pitchblende-bearing vein. The individual reefs have not as yet been correlated with those mapped a few miles to the north (Lovering and Goddard, 1950). The relationship between breccia reefs and the uranium-bearing veins possibly is analogous to that of the reefs and certain ore deposits in nearby Boulder County, where the reefs are probably served as deep channels for the ore deposited in adjacent fissures (Lovering and Goddard, 1950, p. 239).

The known uranium deposits will be discussed as those of the Golden Gate Canyon area (fig. 2) and the Ralston Creek area (fig. 6).

GOLDEN GATE CANYON AREA

The known deposits in the Golden Gate Canyon area (fig. 2) are alined along a narrow belt that trends N. 75°-80° E. The trend of this belt is essentially parallel to the trend of the well-developed foliation of the pre-Cambrian metamorphic rocks of the area. The individual deposits, however, with the possible exception of the Buckman, are found at the intersection of northerly-trending, carbonate-bearing fault zones and the N. 75°-80° E.-trending belt.

The rocks in the vicinity of the deposits are predominantly interlayered gneisses and schists of the Idaho Springs formation and include hornblende gneiss, biotite schist, and quartz-biotite gneiss. For this investigation they have been differentiated only megascopically. The hornblende gneiss is a fine-grained black rock containing about 50 percent hornblende and 50 percent quartz and feldspar. It is well foliated and is generally fresh and unaltered in outcrops. Interlaminated with the hornblende gneiss are narrow layers of biotite schist. These layers, which are soft and friable, possibly represent hydrothermally altered gneiss. The hornblende gneiss and biotite schist make up a rock layer or unit that is about 100 feet thick at the Union Pacific prospect.

Stratigraphically above and below this unit the rocks are dominantly gray and foliation is not as well developed. These lighter colored rocks are chiefly fine grained quartz-biotite gneiss in which the quartz, biotite, and feldspar content varies considerably from layer to layer. A few narrow layers of a black, hornblende-rich rock are interbedded with the gray gneiss.

Field studies indicate that the previously mentioned alinement of the pitchblende deposits is due to their occurrence in the hornblende gneiss-biotite schist unit. This layer is the host rock of the four oocurrences of pitchblende in section 19 (fig. 2), and probably includes the pitchblende vein north of the Buckman adit.

It is not yet known whether the occurrence of the uranium deposits in the hornblende gneiss is the result of structural control or of some physical or compositional difference. The carbonate-bearing fault zones generally show a slight anomalous radioactivity. This anomalous radioactivity, together with the proximity of the pitchblende to the fault zones, suggests that they represent the channelways along which the ore solutions moved. Uranium minerals have not been found along all the carbonate-bearing faults that cross the hornblende gneiss-biotite schist unit, but all such intersections may be potentially ore-bearing.

About 700 feet north of the hornblende gneiss-biotite schist unit, anomalous radioactivity has been found at several places along another belt of hornblende gneiss and biotite schist which is parallel to the favorable unit. The radioactivity apparently is confined to narrow beds of bleached biotite schist cut by carbonate-bearing faults. The radioactivity anomalies suggest the existence of another zone of favorable host rocks, although no uranium or copper minerals have as yet

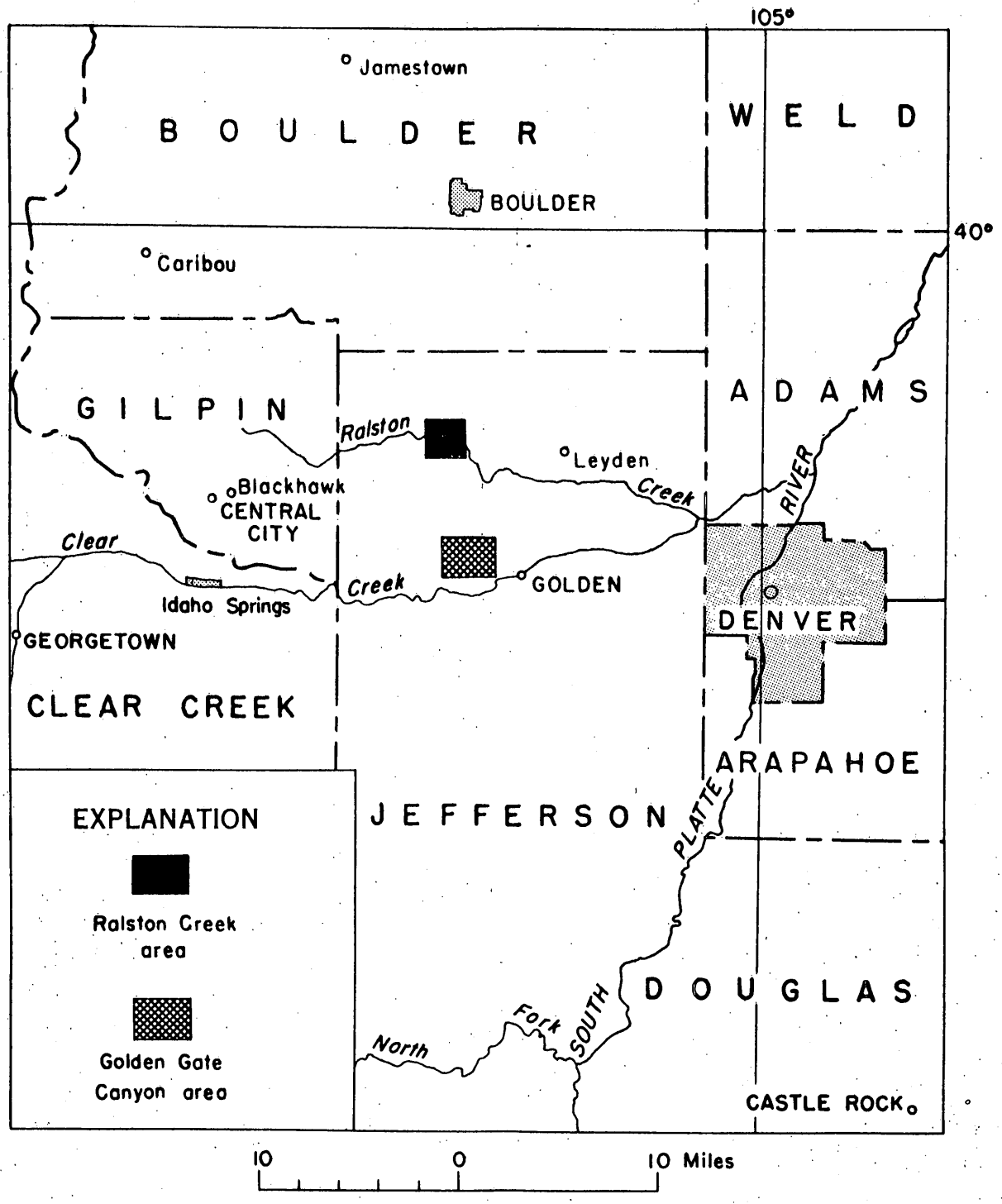


Figure 1.—Index map of central Colorado showing location of Golden Gate Canyon and Ralston Creek areas.

Table 1.—Analyses of samples from Golden Ga[illegible]anyon and Ralston Creek area, Jefferson County, Colo.

[Channel samples unless otherwise noted.]

Locality	Field no.	Width of channel (feet)	Material	Equivalent uranium (percent)	Uranium (percent)	Copper (percent)	Lead (percent)	Zinc (percent)	Fe_2O_3 (percent)	Manganese (percent)	Gold (oz./ton)	Silver (oz./ton)	$CaCO_3$ (percent)	Remarks
Union Pacific prospect.	SA-1	(1)	Carbonate-breccia with pitchblende.	0.130	0.110	---	---	---	---	---	---	---	---	Sample from dump.
	UP-1	3.0	Altered gneiss and carbonate-breccia.	.006	.004	---	---	---	---	---	---	---	---	Sample from underground workings.
	UP-2	3.0	----do----------	.006	.003	---	---	---	---	---	---	---	---	Do.
	UP-3	4.0	----do----------	.006	.004	0.21	0.01	0.08	---	---	---	---	8.8	Do.
	UP-4	4.0	----do----------	.005	.003	---	---	---	---	---	---	---	---	Do.
	UP-5	4.4	----do----------	.009	.004	---	---	---	---	---	---	---	---	Do.
	UP-6	4.2	----do----------	.014	.006	.10	.005	.07	---	---	---	---	3.3	Do.
	UP-7	4.0	----do----------	.094	.086	.49		.33	---	---	---	---	---	Do.
	UP-8	4.0	----do----------	.230	.260	.33	0	.50	---	---	Tr.	0.20	---	Do.
	UP-9	3.0	----do----------	.007	.003	.25	0	.95	---	---	Tr.	Tr.	---	Do.
	UP-10	1.0	----do----------	.007	.005	---	---	---	---	---	---	---	---	Do.
	UP-11	2.3	----do----------	.006	.003	---	---	---	---	---	---	---	---	Do.
	UP-12	2.6	----do----------	.006	.004	---	---	---	---	---	---	---	---	Do.
	UP-13	4.3	----do----------	.650	.810	.32	---	.35	---	---	---	---	---	Do.
	UP-14	4.9	----do----------	.014	.011	---	---	---	---	---	---	---	---	Do.
	UP-15	.3	----do----------	5.60	5.84	.29	.04	.45	---	---	Tr.	.72	---	Do.
	UP-16	.8	----do----------	.015	.006	.20	---	.25	---	---	---	---	---	Sample from portal of inclined shaft.
	UP-17	4.0	----do----------	.008	.003	.16	---	.25	---	---	---	---	---	Do.
	UP-18	1.0	----do----------	.009	.003	---	---	---	---	---	---	---	---	Sample taken from outcrop N. 63° W. of portal.
Buckman property----	GGC-3	.5	Pitchblende in gouge----	.250	.260	---	---	---	---	---	---	---	---	Sample from adit.
	GGC-4	.5	Altered gneiss----------	.010	.003	---	---	---	---	---	---	---	---	Do.
	B-1	(1)	Pitchblende in altered gneiss.	1.20	1.23	---	---	---	---	---	---	---	---	Sample from road cut, 300 feet N. of adit.
	RB-4	.5	Pitchblende in fractured quartz.	1.50	.860	.08	.07	.03	4.04	---	Tr.	.04	.2	Sample from adit.
	RB-5	.5	Pitchblende in gouge----	.220	.220	.10	.015	.05	8.19	---	0	0	5.4	Do.
	RB-6	1.0	Pitchblende in gouge; gneiss.	.072	.062	.08	---	---	6.29	---	Tr.	.04	---	Sample includes wall rock adjoining pitchblende shear.
	RB-7	4.0	Schist and pegmatite------	.004	---	.16	---	---	5.22	---	Tr.	Tr.	---	Sample from adit.
	RB-8	.5	Altered pegmatite-------	.032	.013	.01	---	---	3.81	---	Tr.	Tr.	---	Do.
Ladwig No. 1--------	L-1	(1)	Pitchblende in altered gneiss.	.980	1.36	---	---	---	---	---	---	---	---	Sample taken 1 foot below soil zone.
	L-2	(1)	Carbonate-breccia-------	.006	.007	---	---	---	---	---	---	---	---	Sample from dump of copper prospect.
Ladwig No. 2-------	L2-1	(1)	Carbonate-breccia with pitchblende and copper.	.250	.300	8.25	.10	.10	---	---	---	---	.2	Sample from dump.
North Star mine----	NS-3	1.0	Mineralized breccia shear.	.370	.510	5.50	.11	.38	---	---	---	---	.5	Sample from underground workings.
	NS-4	(1)	Breccia with pitchblende.	.720	.850	16.83	---	---	---	---	---	20.30	---	Sample from dump.
	NS-5	1.0	Mineralized breccia shear.	.140	.110	3.08	.10	.10	---	---	---	---	.1	Sample from underground workings.
	NS-6	.5	----do----------	.062	.027	5.74	.10	.10	---	---	---	---	.2	Do.
	NS-7	.5	----do----------	.023	.010	1.84	---	---	---	---	Tr.	1.12	---	Do.
	NS-8	.5	----do----------	.005	.002	.29	---	---	---	---	Tr.	Tr.	---	Do.
	NS-9	.5	----do----------	.007	.002	.02	---	---	---	---	0	0	---	Do.
	NS-10	.5	----do----------	.011	.005	.08	---	---	---	---	0	0	---	Do.
	NS-11	.5	----do----------	.010	.006	4.12	---	---	---	---	Tr.	6.42	---	Do.
Nigger shaft--------	AJG-9	4	Carbonate-breccia-------	.010	.004	---	---	---	---	---	---	---	22.9	Sample from underground workings.
	AJG-10	.2	Carbonate vein with pitchblende.	.320	.220	---	---	---	---	---	---	---	---	Do.
	AJG-11	.2	----do----------	.280	.310	.29	.015	.06	---	---	---	---	20.4	Do.

gneiss indicate that the fault has an offset of about 100 feet, the west block moving south relative to the east block.

The anomaly is about 330 feet N. 50° W., of a water-filled prospect shaft showing copper minerals on the dump. The shaft was sunk in altered biotite schist cut by a carbonate breccia 1 to 2 feet wide that strikes north and dips about 70° E. Much of the material on the dump is quartz associated with pyrite and limonitic material, and some bornite, covellite, and copper carbonates. In spite of the close association of uranium with copper in the area, no appreciable uranium has been found in ore samples from this locality. It may be significant that although the copper prospect lies along a carbonate-bearing fault, it does not lie within the favorable hornblende gneiss layer.

Mineral rights to the Ladwig No. 1 and two other localities are held by Lyman C. Ladwig of Golden, Colo.

Ladwig No. 2

At the Ladwig No. 2 property (fig. 2), uranium minerals have been found on the dump of an abandoned prospect shaft and in a small trench 100 feet to the east. The shaft, which is now 12 feet deep but may have been considerably deeper, was sunk in a radioactive carbonate breccia zone, 1 to 2 feet wide, that strikes north and dips steeply to the east. The breccia zone cuts the hornblende gneiss-biotite schist layer that, in the vicinity of the shaft, is extensively sheared and bleached for several feet on the hanging-wall side of the contact. No uranium minerals were found in place, but specimens collected from the dump of the shaft contain pitchblende and torbernite in limonite-stained breccia host rock. Additional radioactive samples, probably derived from another breccia zone, were found in the debris from the lower of two shallow cuts about 100 feet east of the shaft. Copper minerals, notably carbonates, are conspicuous on the dump where the uranium minerals are found.

The radioactive breccia zone is also exposed at the caved portal of an adit 125 feet south of the shaft. Here the breccia zone is 6 feet thick and contains altered but recognizable wall-rock fragments that are several inches in diameter. No uranium or copper minerals were noted at the adit or in the shallow cut that exposes the breccia zone about 40 feet north of the shaft.

Ladwig No. 3

A single specimen of pitchblende and associated copper carbonates was found on the dump of the lower of two small prospect pits at the Ladwig No. 3 property (fig. 2). As at the previously described deposit, the pitchblende and copper minerals occur in or near a north-trending breccia zone. This occurrence is poorly exposed, and at present is chiefly of interest as another example of uranium mineralization along the favorable zone.

RALSTON CREEK AREA

Three pitchblende-bearing deposits are known in a small area in the vicinity of Ralston Creek (fig. 6), about 6 miles north-northwest of the prospects in

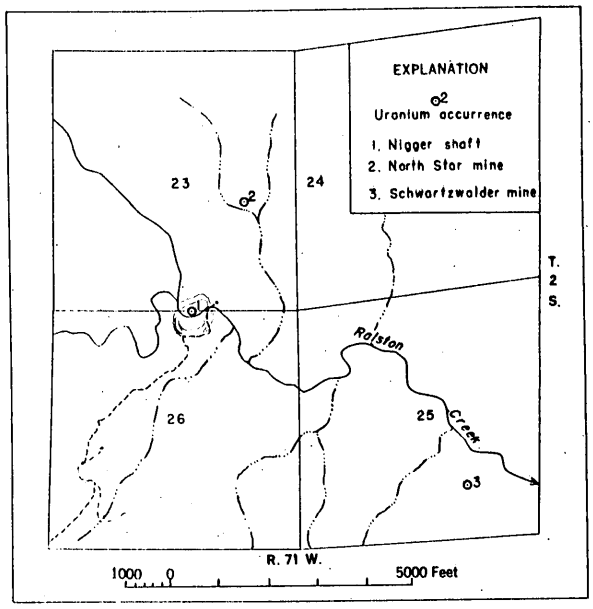


Figure 6.—Index map showing known uranium occurrences in the Ralston Creek area, Jefferson County, Colorado.

Golden Gate Canyon. The deposits are similar to those in Golden Gate Canyon as they are related to north or northwest-trending breccia zones; they do not, however, show a similar alinement in a northeasterly direction. None of the deposits are easily accessible. The North Star and Nigger Shaft deposits can best be reached from the north by a private road to the A. G. Brumm ranch from Coal Creek Canyon. From the end of the ranch road, it is possible to drive 4-wheel drive vehicles to within walking distance of the workings. The Schwartzwalder mine, on the southwest side of Ralston Creek, can be approached by 4-wheel drive vehicles via an access road leading up the creek from Ralston reservoir 5 miles north of Golden. Analyses of samples from this area are shown in table 1.

North Star mine

Pitchblende was discovered at the abandoned North Star mine in April 1952 by geologists of the Geological Survey. The mine is on the ranch of A. G. Brumm and is probably in the south half of section 23, mineral rights of which are held by the Union Pacific Railroad Co. According to Brumm, 4 tons of copper ore was taken from the mine in 1894, and another 12 tons was shipped in 1916.

The mine was worked by a short upper level (fig. 7) and a lower level connecting with a stope that

underground workings, although not complete, indicates that the vein is probably faulted.

Anomalous radioactivity was found at a small prospect trench on the hillside about 600 feet southeast of the North Star workings. The few radioactive samples found on the dump contain secondary copper minerals.

Schwartzwalder (Ralston Creek) mine

The Schwartzwalder (Ralston Creek) mine (fig. 6) is on a heavily wooded, steep slope southwest of Ralston Creek, at an altitude of about 7,000 feet. Surface and mineral rights to the property are owned by Paul White of Golden, Colo. The uranium deposit at the mine currently is being explored by Fred Schwartzwalder of Golden, who discovered secondary uranium minerals at a caved adit on the property early in 1949.

The deposit was investigated for the Atomic Energy Commission by Anderson[1] and Baker[2].

The caved adit and three shallow pits nearby remained from earlier attempts to mine copper at the locality by the Golden Mining Company, during and before October 1897. Mr. Schwartzwalder has excavated the caved adit as an opencut and has driven a new adit and incline (fig. 8). The new workings were begun where the secondary minerals were found and continued in rocks showing abnormal radioactivity and concentrations of secondary uranium minerals. Pitchblende was first found about 40 feet from the portal, where the adit intersects a fault zone which trends northwest and dips at a low angle to the southwest. The fault was followed downdip by an incline to the present (1953) extent of the workings.

The rocks at the Schwartzwalder property are quartzose gneiss and mica schist of the pre-Cambrian Idaho Springs formation. The foliation of the schist, as noted in the underground workings, strikes N. 80° E. and dips 77° S. The gneiss and schist exposed in the workings have been highly altered and faulted, and appear to have been invaded by a large body of massive quartz. Much of the quartz is distinctly smoky in color. The gneiss, schist, and massive quartz have been cut by a fault that is marked by an iron-stained breccia consisting mostly of shattered quartz.

The uranium minerals are mostly concentrated in the fault zone that is as much as 5 feet thick where exposed in the incline. Pitchblende is found almost exclusively in the shattered quartz of the fault zone, whereas secondary uranium minerals are common in all the fractured wall rocks. The pitchblende is finely disseminated and partly sooty. Secondary uranium minerals identified from the deposit include torbernite, metatorbernite, and autunite. Associated with the uranium minerals are minor quantities of chalcopyrite, tetrahedrite-tennantite, bornite, galena, pyrite, limonitic material, malachite, azurite, ankerite, calcite, barite, and an unidentified potash feldspar. The sulfides and associated gangue minerals generally are extremely fine grained.

A strongly radioactive, northerly-trending quartz breccia similar to that exposed in the mine is exposed in a shallow pit 34 feet above and a short distance southwest of the portal of the adit. This breccia, which is about 4 feet thick, contains visible torbernite and malachite along fracture surfaces.

A third exposure of radioactive quartz breccia is in an old excavation 52 feet above the mine adit. About 100 feet above and 150 feet south-southeast of the mine adit, an old shaft 18 feet deep also exposes similar radioactive rock. All these exposures of radioactive breccia probably represent a single fault zone. Continuation of this zone south of the prospected area is indicated by breccia float, in which fine-grained rock fragments are cemented by carbonates. Relationships of uranium minerals to a breccia reef in the Schwartzwalder mine area are analogous to most of the other deposits described. The quartzose character of the breccia is probably due to local composition of the wall rocks rather than to a more siliceous ore-bearing solution.

Pitchblende(?) associated with base-metal sulfides and secondary copper carbonates was noted in another breccia shear zone on the east side of Ralston Creek, about 1,000 feet northeast of the Schwartzwalder (Ralston Creek) mine. This shear zone trends northwest and dips steeply to the northeast. Two samples, RB 27 and RB 29, from this locality contained 0.43 and 0.014 percent uranium respectively.

Nigger shaft (Hoffmeister prospect)

Pitchblende was first recognized in the Ralston Creek area in 1949 at an abandoned copper prospect, locally known as the Nigger shaft. The discovery was made by Fred Schwartzwalder of Golden, Colo., who submitted samples of the radioactive rocks to the Atomic Energy Commission. The prospect, worked between 1912-14 by Hoffmeister, consists of a 20-foot inclined shaft connected to a small stope (fig. 9). A short adit was driven from a point about 130 feet southeast of the shaft, presumably to intersect the vein below the shaft level.

The ownership of the deposit is unknown because the workings are situated on or very close to the boundary line between sections 23 and 26. If the deposit is in section 23, the mineral rights are owned by the Union Pacific Railroad Co. Surface and mineral rights to the adjacent land in section 26 are owned by Oscar Dahlberg of Golden.

The rocks in the vicinity of the Nigger shaft are pre-Cambrian hornblende gneiss, biotite schist, granite pegmatite, and aplite. These rocks are cut by a northerly-trending breccia reef that probably is an extension of one of the major Laramide fault zones mapped three-quarters of a mile to the north by Lovering and Goddard (1950, pl. 2). The reef, bordered by sheared and altered rocks, crops out 250 feet northeast of the shaft, and can be traced by float and outcrops for 1,000 feet or more to the northwest.

[1] Anderson, J. P., 1950, Preliminary reconnaissance, Atomic Energy Comm. Rept. 35. [Unpublished.]

[2] Baker, K. E., 1953, Preliminary report on uranium occurrence at the Ralston Creek mine, Jefferson County, Colo. [Report in files of the Atomic Energy Commission.]

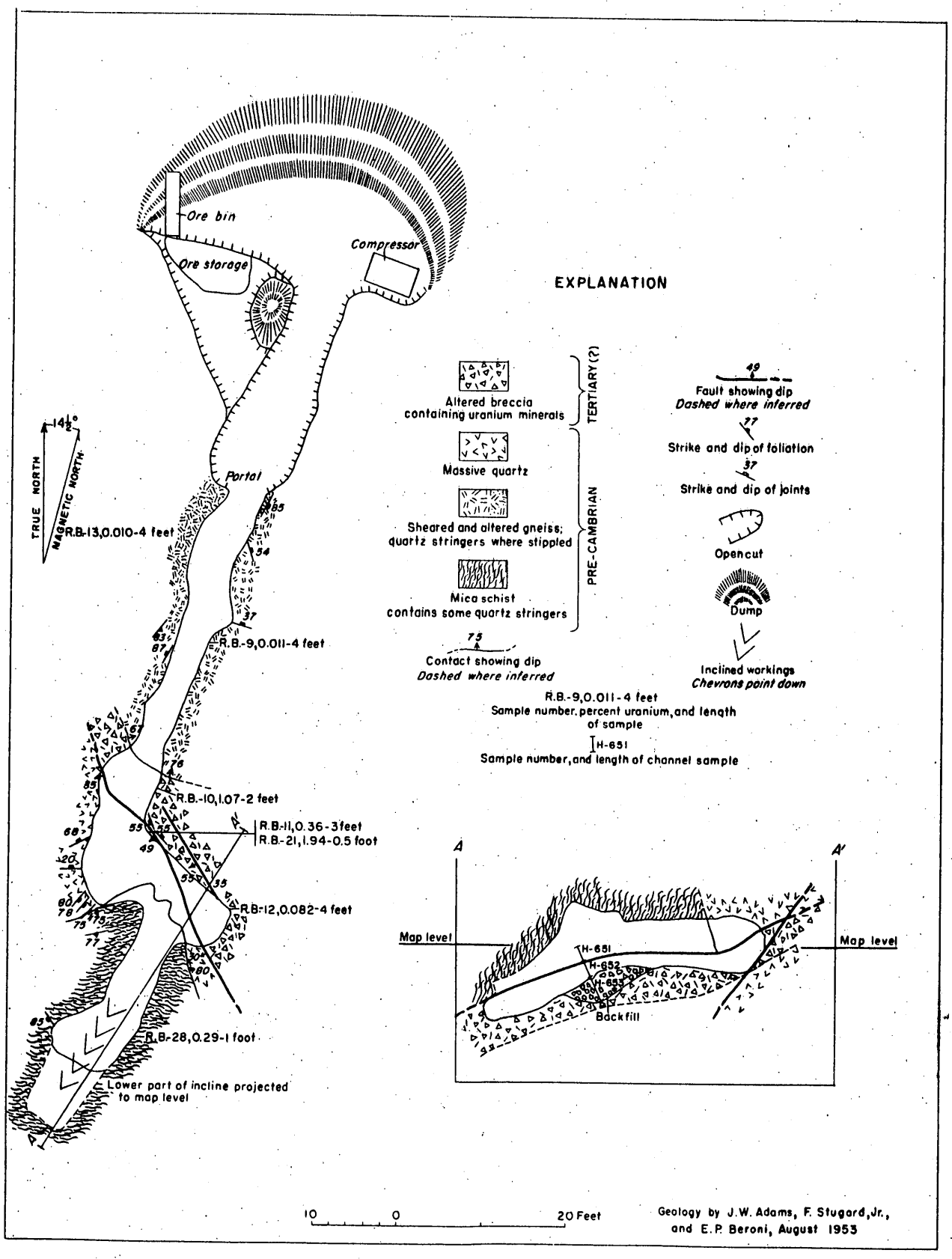


Figure 8.—Geologic map and section of the Schwartzwalder mine, Jefferson County, Colorado.

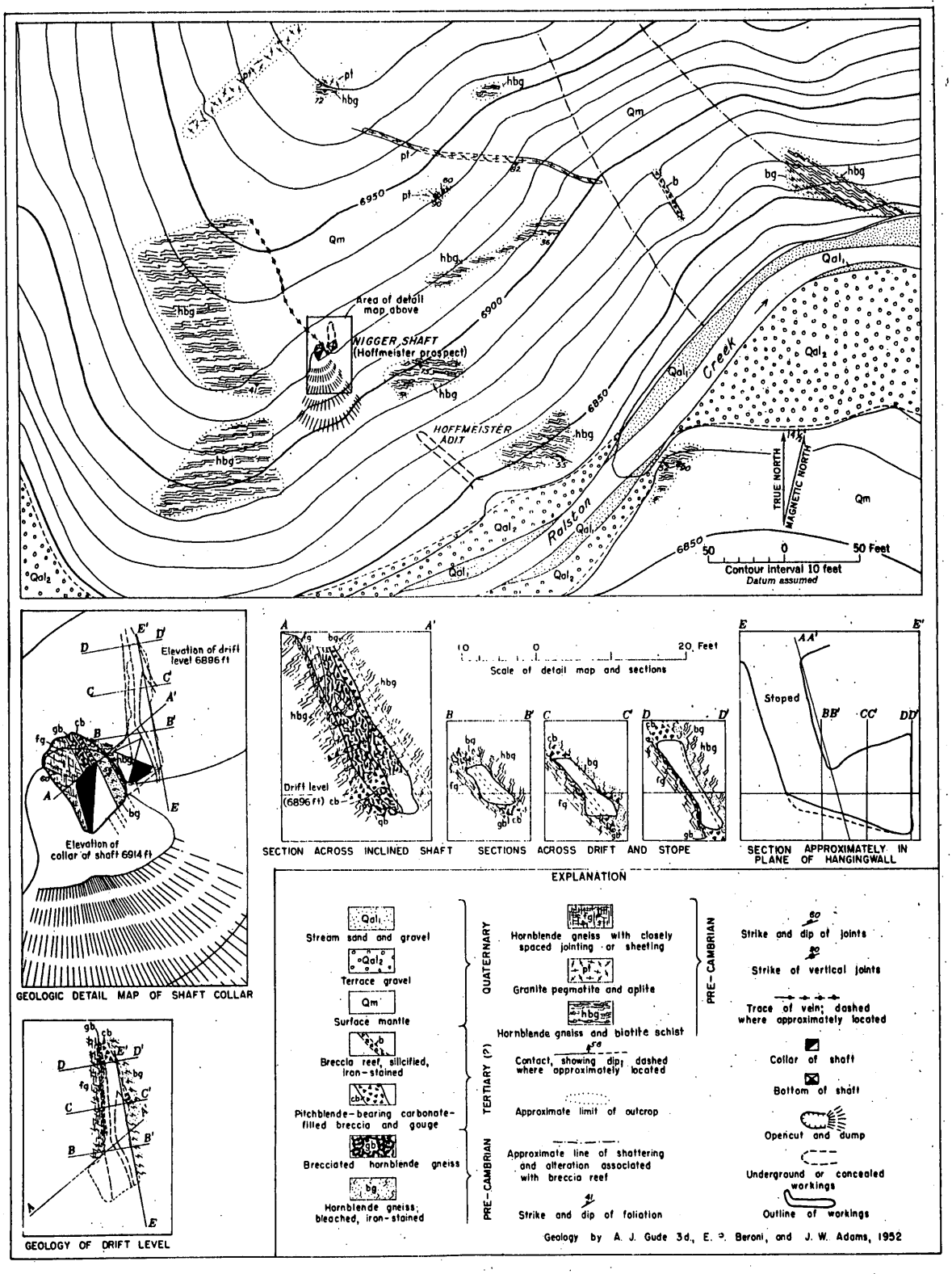


Figure 9.—Geology of Nigger shaft (Hoffmeister prospect), Jefferson County, Colorado.

The pitchblende deposit of the Nigger shaft is in a shear zone that is roughly parallel to the breccia reef. The shear exposed in the workings strikes N. 3° E. and dips 50°-60° E., but the surface exposures and radioactivity data indicate that the general trend of the shear is northwest. The shear zone is from 4 to 8 feet thick and consists of brecciated and sheared hornblende gneiss that is cut by an irregular body of carbonate-rich rock which contains the ore. This rock, which averages about 2 feet in width, apparently represents that part of the shear zone that was invaded by the ore-bearing solutions. It is made up of bleached and altered gneiss fragments intricately cut by veins and cemented principally by carbonates; it constitutes a stockwork of dense, hard, light-brown rock that in surface exposures appears as a brick-red gossan.

The sheared gneiss along the hanging wall of the vein has been bleached by hydrothermal action for as much as 2 feet outward from the vein, but the brecciated gneiss in the footwall of the shear zone appears to be relatively fresh.

The vein has been traced by radioactivity for 100 feet to the northwest, but it is almost entirely concealed by soil. Pitchblende and copper minerals were recovered from the soil in an area of high anomalous radioactivity about 50 feet from the shaft.

Pitchblende occurs in the deposit chiefly as thin seams in carbonate veinlets along the margins of the stockwork. The seams of pitchblende which range from 0.05 to 0.5 millimeter in thickness, form rims around earlier crystals of carbonate and orthoclase(?). Later carbonate and sulfides fill the center of the veinlets. The botryoidal upper surface of the seams suggests that they were developed by the coalescence of many individual hemispherical bodies, such as occur singly or in groups where the seams are discontinuous.

Sulfide minerals, including covellite, chalcopyrite, bornite, chalcocite, pyrite, and galena, have been identified in polished sections of the ore. Except for pyrite and some chalcopyrite, they occur within the carbonate veinlets. Most of the sulfides appear to have been deposited later than the pitchblende. Detailed mineragraphic studies have not been made, however, to determine the paragenetic sequence of the ore minerals.

Calcite, ankerite, and quartz are the dominant gangue minerals in the pitchblende-bearing veins. The sequence of their deposition has not been definitely established, but preliminary studies show that the iron-rich carbonate formed both before and after the deposition of the pitchblende. Calcite is interstitial to ankerite and quartz and apparently is the last gangue mineral to be formed. All the quartz, so far as known, is younger than the pitchblende.

Crystals of a nearly uniaxial mineral of negative sign and low birefringence occur along the edges of the pitchblende-bearing veinlets. These crystals, thought to be orthoclase, were deposited before the pitchblende. A dark-green mineral, tentatively identified as chlorite, forms radial aggregates in the postpitchblende vein filling.

Most of the pitchblende in the veinlets is surrounded by an orange-brown layer, about 0.02 millimeter wide that may be in direct contact with the pitchblende or is developed entirely in the adjacent gangue minerals. The layer may end abruptly at an interface between two carbonate crystals or between a carbonate crystal and quartz. The material forming the layer has not been identified, but its distribution and color suggest that it is made up of finely dispersed iron oxides formed in ankerite as a product of radiation from the pitchblende. It has not been observed in quartz, and, where present in one carbonate and not another, it is assumed that the barren carbonate is calcite.

A mineral tentatively identified as a hydrated uranium oxide occurs sparsely in oxidized and leached breccia. It is light to dark brown, transparent, isotropic, and has an index of refraction of about 1.75. Qualitative texts show that it contains uranium and lead. This mineral was probably derived from pitchblende exposed to supergene solutions by the partial removal of enclosing carbonates, and is analogous to the brown material found in more abundance at the North Star mine.

Several secondary copper minerals are present in the ore; they are not abundant and are chiefly confined to cavities in the veinlets.

LITERATURE CITED

Anonymous, 1884, Mining and Science Press, v. 48, no. 11, p. 195.

Lovering, T. S., and Goddard, E. N., 1950, Geology and ore deposits of the Front Range, Colorado: U. S. Geol. Survey Prof. Paper 223.

INT.-DUP. SEC., WASH., D.C.-53114

Denver, Colorado
July 15, 1955

Mr. Joseph W. Walsh,
First National Bank Bldg.,
Denver, Colorado.

Dear Mr. Walsh:

This will acknowledge receipt of your check for $8,500.00, being the payment due this day under the terms of the Agreement dated March 9, 1955, whereby we leased and optioned to you the mineral rights (except oil and gas) in NW¼; N½NE¼; SW¼NE¼; NW¼SE¼, Section 26, Township 2 South, Range 71 West, Jefferson County, Colorado.

This letter will evidence our oral agreement that we will consent to assignments of fractional parts of your interest under this contract upon being advised by you of the names and addresses of the assignees and the quantum of interest assigned; or upon our being furnished with a true and correct copy of the respective assignments.

Yours very truly,

Oscar Dahlberg

Louis E. Bohi

Recorded at 11:05 A. M., Mar. 11, 1955 Robert W. Newton, Recorder

601502

RECEIVED JUL 28 1955

AGREEMENT

Agreement, made and entered into this 9th day of March, 1955, by and between OSCAR DAHLBERG and LOUIS E. BOLIS, of Golden, Colorado, hereinafter calles "Lessors," and JOSEPH W. WALSH, of Denver, Colorado, hereinafter called "Lessee"

WHEREAS, the Lessors, as tenants in common, are the owners of all mines and minerals in and under the hereinafter described lands; and

WHEREAS, said Oscar Dahlberg is the owner of the surface rights in said land; and

WHEREAS, the Lessee desires to prospect for mineral deposits in said lands, to open and operate mines thereon, and to have the right to purchase all mineral rights in said land (except oil, gas and kindred substances) subject to reservation of a perpetual royalty to the Lessors, their heirs and assigns; now this agreement.

WITNESSETH, That:

The Lessors, for and in consideration of Fifteen Hundred Dollars ($1,500.00), receipt whereof they hereby acknowledge, and of the rents, covenants and agreements hereinafter expressed to be paid, kept and performed by the Lessee, have leased, let and demised, and by these presents do lease, let and demise unto the Lessee all mineral rights except as to oil, gas and kindred substances, in the following described premises, situate in Jefferson County, Colorado:

Township 2 South; Range 71 West

Section 26: NW¼, N½NE¼; SW¼NE¼; NW¼SE¼;

and the said Oscar Dahlberg does hereby waive all claims which he may or might hereafter have for damage to the surface of said land by reason of prospecting, development, or mining operations conducted under this agreement, or subsequent to conveyance of title to said mineral rights as hereinafter provided.

TO HAVE AND TO HOLD said premises for the purpose of mining until July 1, 1959; or until the Lessors shall have been paid the

full consideration for the conveyance of said mineral rights as hereinafter provided, whichever occurs first in time.

The parties covenant, contract and agree as follows:

1. Rights of Lessee.

Lessee shall have the right to work and operate on any and all of the demised property, to mine, extract, take and market ores and minerals therefrom, sell or otherwise dispose of the same; to treat said ores and minerals in a mill or plant on said property, and to ship or take same to any other plant for treatment, reduction or sale; to erect and operate on said property a plant or plants and other facilities for mining, treating, or processing of ores and minerals from said property, and for processing of the content thereof into any obtainable products; to construct and maintain power lines, power stations, plants and structures thereon to produce, save and take care of said products; and generally, to do any and all things which Lessee may deem desirable in connection with the operation of the property.

2. Method of Working.

Prospecting and development work and mining shall be done by such methods, at such places, and to such extent as Lessee deems advisable; and Lessee shall have the right to abandon any workings whenever in his opinion ore is exhausted or further mining would be unprofitable.

3. Information.

The Lessee shall at all times have sufficient surveys and maps made and kept to disclose the location of test holes and the nature and location of underground workings. All information obtained by drilling shall be the exclusive property of the Lessee, but the same and a copy of the aforesaid maps shall be furnished to the Lessors upon the happening of any of the following:

(a) Upon termination of this agreement by surrender or cancellation.

(b) If minimum royalty be not paid in full at the time herein specified for such payment.

(c) By agreement of the parties.

4. Royalty

The Lessee shall instruct each mill, sampler, reduction works, or other ore purchaser to deduct royalty upon settlement for each lot of ore or minerals sold, and to pay said royalty directly to the Lessors, as follows:

10% of the value of the products mined and sold.

By "value of the products" is meant:

(A) As to uranium and other fissionable ores, the gross sales price plus all bonuses and allowances except transportation allowances.

(B) As to ores other than uranium and the fissionable ores, the gross value of metals and minerals paid for by the ore purchaser, less charges for transportation and smelting only, and smelting charges shall include incidental charges, such as but not limited to, charges for frozen ore, sacked ore, ore watchers and railroad switching.

The aforesaid royalty shall be applied by the Lessors as follows:

(a) One-half shall be retained by the Lessors free of any claims by the Lessee.

(b) One-half shall be applied to the installments of purchase price under the option to purchase hereinafter set forth; provided the balance, if any, of the respective installments of purchase price be paid on or before the dates specified for payment, otherwise to be retained by the Lessors free from any claims by Lessee.

5. Option to Purchase.

Lessee is granted the exclusive right to purchase the mineral interest in the above land, subject to a reserved royalty of 5%, for $48,500.00, to be paid by application of one-half of the royalty and the balance, if any, in cash, as follows:

On July ~~2~~ 15, 1955	$8,500.00
On July 1, 1956	12,000.00
On July 1, 1957	12,000.00
On July 1, 1958	12,000.00
On July 1, 1959	4,000.00

The lease herein granted and this option are interdependent, and failure to make any of said payments under this option shall automatically terminate the entire agreement. Any payment may be paid prior to the date on which it is due.

Upon payment of the full purchase price the Lessors shall convey the mineral interest (except oil, gas and kindred substances) to the Lessee, or his nominee, by warranty deed, free and clear, which deed shall contain the following reservation:

"Reserving and excepting to the grantors, their heirs and assigns, all oil, gas and other hydrocarbons in and under said lands, and also excepting and reserving metals and minerals and ores mined and sold from said premises at the rate of 5% of the value of the products mined therefrom and sold. By "value of the products mined and sold" is meant:

(a) As to uranium and other fissionable ores, the gross sales price plus all bonuses and allowances except transportation allowances.

(b) As to ores other than uranium and fissionable material, the gross value of metals and minerals paid for by the ore purchaser, less charges for transportation and smelting only, and smelting charges shall include incidental charges, such as but not limited to, charges fro frozen ore, sacked ore, umpires, ore-watchers and railroad switching.

The said reserved royalty shall be deemed and treated as rents reserved from the mineral estate in said premises; the same shall be paid promptly upon receipt of the proceeds of each sale of ore; and the grantors, their heirs and assigns shall have a lien on the interest hereby conveyed to secure the payment of said royalty. The said lien shall not be considered an entirety, and nothing herein contained shall prevent the division, separation and alienation of the premises by separate parcels, subject to said reserved royalty. In case of

division into separate parcels, the extinguishment or conveyance of said royalty as to one parcel shall not affect the reserved royalty as to any other or different parcel."

6. Examination of Records.

Lessee agrees to make a full disclosure of all ores shipped and monies received for ores, and for such purpose permission is hereby given to Lessors to examine the books and records of the Lessee as to ore produced and sold and Lessors are also given the right and permission to call upon any or all mills or purchasers of ores to disclose payments by the said mill or purchasers to Lessee, and the Lessee hereby consents to the disclosure by such mills or purchasers of said information to the Lessors or their agents and releases the said mills and purchasers from liability for such disclosure.

7. Taxes.

So long as the property is assessed for real estate taxes on the basis of acreage or as a non-producing mine, the Lessors shall pay such taxes. If the lands, or any portion thereof, shall be assessed as a producing mine, the Lessors and the Lessee shall pay such taxes in the proportion of their ownership of proceeds of ores, metals and minerals sold. For the payment of taxes, the Lessee shall deposit each month in a savings account in International Trust Company, Denver, Colorado, subject to withdrawal upon joint orders of the Lessee and one of the Lessors, 2% of the value of the products sold. The money so deposited shall be used for payment of the taxes for the year next subsequent to the year in which the deposits were made. If the property is assessed in any year as a non-producing mine, the deposits made in the year next prior thereto shall be returned to the Lessee. If any excess remains in the fund after payment of the taxes for any year in which the assessment was based on production in the year next prior, such excess deposited in the year next prior shall be withdrawn and paid to the Lessors and the Lessee in proportion as they received the balance of the proceeds in said prior year.

The Lessee shall pay all taxes upon his own personal property and on any plant or plants erected on the demised premises by him.

8. Liens.

Lessee shall keep the demised premises free and clear of labor and material liens and encumbrances, and shall keep posted in a conspicuous place at the main entrance to said premises, and elsewhere at places where the Lessee is conducting work, a written or printed notice that the premises are leased to and operated by Lessee, and that the interest of Lessors shall not be subject to liens by reason of Lessee's operations. The provisions of this paragraph relate only to real estate and not to movable machinery or equipment used on the property.

9. Insurance.

Before commencing work on the demised premises, the Lessee shall obtain and pay the premiums for and on insurance policies sufficient to save and protect harmless the Lessors and said Lessee for and on account of the death of, disability of, or injuries to, the Lessee or any of his employees, contractors, and subcontractors. Lessee agrees to furnish to Lessors, before commencing work and thereafter from time to time, satisfactory evidence that such insurance is in full force and effect. Such policies shall provide coverage to fully protect the Lessors from liability under the Colorado Workmen's Compensation Act and the Colorado Occupational Disease Disability Act. Any failure of the Lessee after having initially obtained said insurance to keep and maintain said insurance in full force and effect and pay the premiums thereon, shall automatically work a cancellation of this lease without any further notice to the Lessee.

10. Accidents.

Lessee assumes all responsibility for and agrees to save the Lessors harmless from any and all accidents to the Lessee, and to any of his employees, sublessees, licensees, agents, associates, or visitors upon the property of the Lessors, or in being conveyed to or from the demised premises.

11. Forfeiture by Lessors.

Failure to maintain insurance policies in force as required by paragraph 9, or failure to make any payment required under the option herein contained, shall terminate this agreement without notice to the Lessee.

Failure of the Lessee to keep or perform any other agreement or condition on his part to be kept or performed according to the terms and provisions of this lease shall, at the election of the Lessors, upon giving notice thereof to the Lessee, constitute a forfeiture of this lease and the option herein when declared; provided, however, that in the event of a default on the part of the Lessee and the election of the Lessors to terminate this Agreement on account thereof, the Lessors shall give to the Lessee a written notice of their intention to declare a forfeiture of this lease and to terminate the same on account thereof, specifying the particular default or defaults relied upon by the Lessors. Lessee shall have 30 days after the receipt of such notice in which to cure such default or defaults, and if such default or defaults are fully cured within said period, there will be no forfeiture of this lease with respect to such default or defaults. No waiver of a default and no failure or neglect on the part of the Lessors to give notice of a default or defaults nor other failure to act shall affect any subsequent default or impair the Lessors' rights resulting therefrom.

11. Termination by the Lessee.

Lessee shall have the right to terminate this agreement and be relieved from further obligation hereunder by surrendering possession to the Lessors and delivering to the Lessors a quit-claim deed to said premises, and paying all sums, including taxes apportioned to the date of surrender, and furnishing to the Lessors satisfactory evidence that all debts, claims and other obligations incurred by the Lessee in the operation, working and development of said premises have been paid.

12. Removal of Equipment.

Upon surrender, or upon forfeiture as herein provided, Lessee may within 30 days from the date of termination or

surrender, remove all machinery, tools and equipment placed in or upon the demised property by Lessee. All buildings, structures, and installed mine track, and installed air and water lines shall become the property of Lessors.

13. The Lessors agree that if during the life of this Agreement the Lessee, or anyone claiming by, through or under him, shall make application or applications to Defense Minerals Exploration Administration for assistance in prospecting, development or mining operations on the leased premises, or some part thereof, then in such case Lessors will, promptly upon request, by written instrument subordinate their interests in the property covered by said application or applications to such extent as the federal government shall require, shall consent that the federal government shall have a first lien upon ores produced from the property affected by the contract or contracts resulting from such application or applications; and further that they will, promptly upon request, execute and deliver to Lessee and Defense Minerals Exploration Administration their agreement in writing that this agreement shall remain in full force and effect as to premises affected by any such contract, anything in this agreement notwithstanding, so long as may be required for sufficient performance of any contract made by the Lessee, or by any person claiming by, through or under him, with or through said Defense Minerals Exploration Administration.

14. Lawful Operation.

All operations of the Lessee shall be so conducted as to comply with the federal and state laws applicable thereto.

15. Assignment.

The rights of the Lessee shall not be assigned except with written consent of the Lessors.

16. Time is of the Essence.

Time is of the essence of this Agreement.

17. Successors.

The terms of this Agreement shall be binding upon and enforceable by the respective heirs, executors, administrators and assigns of the respective parties.

IN WITNESS WHEREOF, the parties have subscribed their names the day and year first above written.

Oscar Dahlberg

Louis E. Bolis

Lessors

Joseph W. Walsh

Lessee

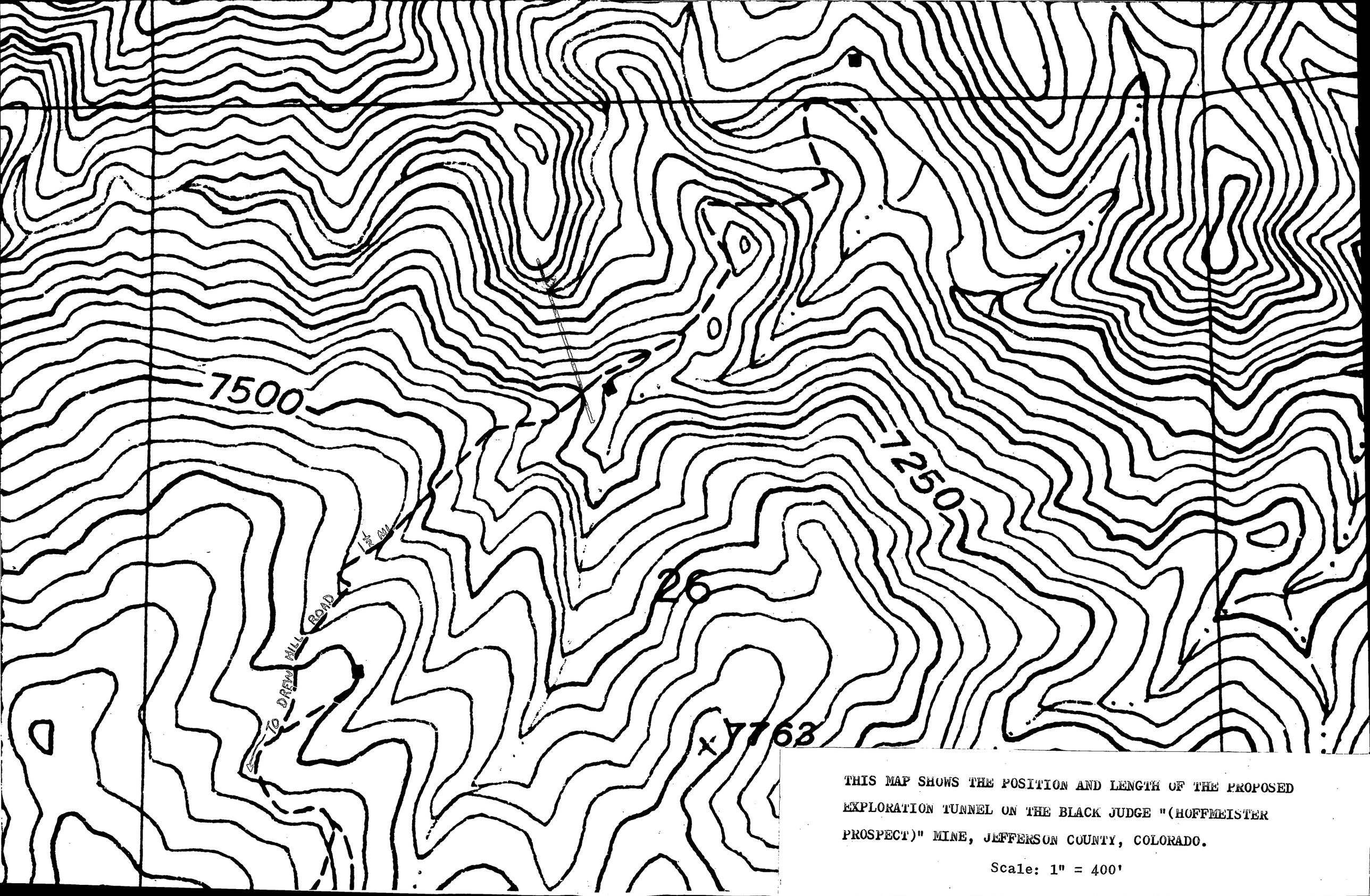
STATE OF COLORADO)
CITY AND) ss.
COUNTY OF DENVER)

The foregoing instrument was acknowledged before me this 9" day of March, 1955, by Oscar Dahlberg and Louis E. Bolis, and by Joseph W. Walsh.

My commission expires September 16, 1957

Witness my hand and official seal.

Josephine Burger
Notary Public



THIS MAP SHOWS THE POSITION AND LENGTH OF THE PROPOSED EXPLORATION TUNNEL ON THE BLACK JUDGE "(HOFFMEISTER PROSPECT)" MINE, JEFFERSON COUNTY, COLORADO.

Scale: 1" = 400'

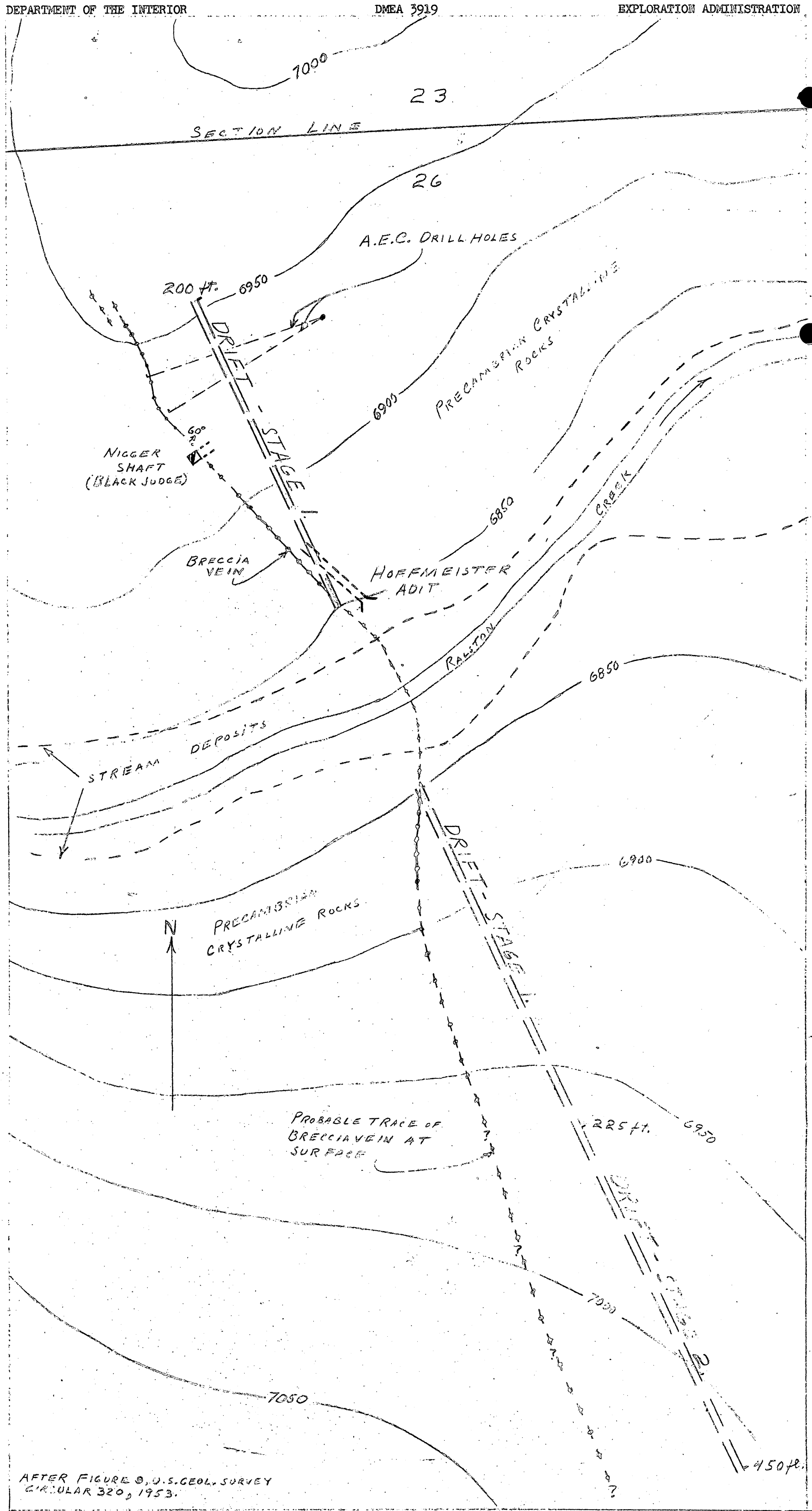
RECEIVED
JUL 28 1955

DENVER, COLORADO
RALSTON CREEK PROPERTY
JOSEPH W. WALSH - OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DMEA 3919

PREPARED FOR THE
DEFENSE MINERALS
EXPLORATION ADMINISTRATION



AFTER FIGURE 9, U.S. GEOL. SURVEY CIRCULAR 320, 1953.

R.U. KING · October 1955

FIGURE 3.- GEOLOGIC MAP, SHOWING REDISCOVERED EXPLORATION, HOFFMEISTER PROJECT, JEFFERSON COUNTY, COLORADO

0 50 100 FT.

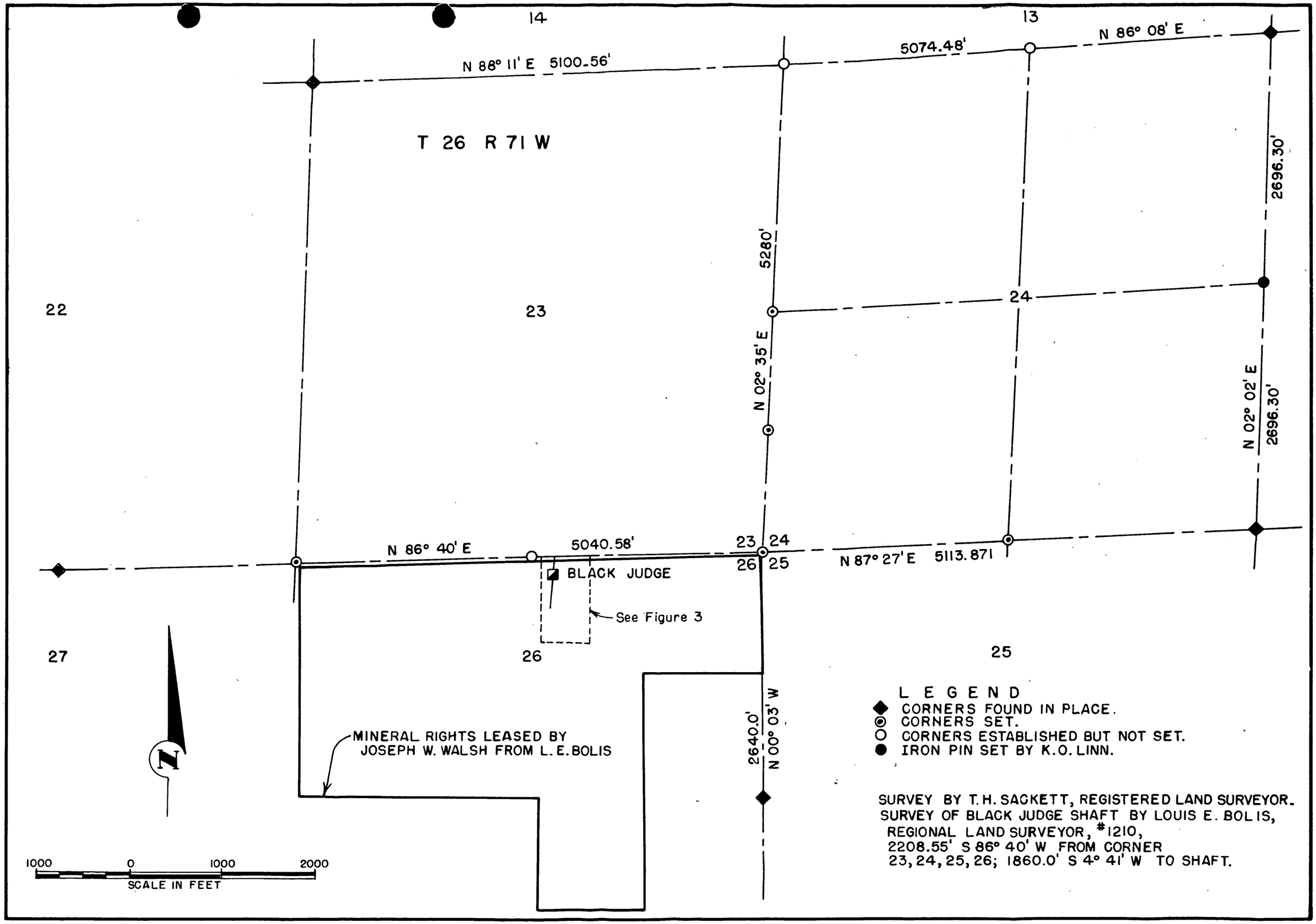
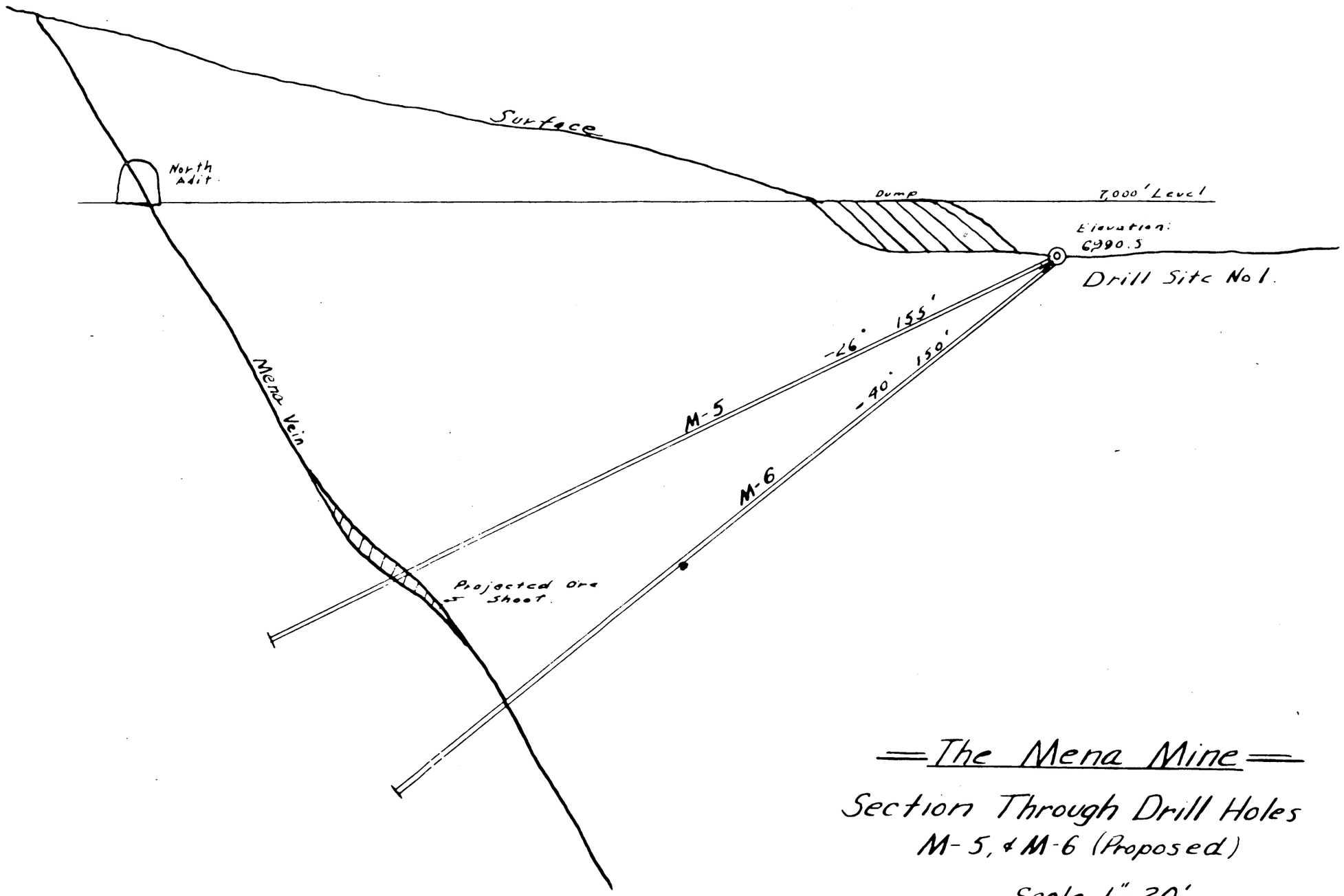


FIGURE 2 - LOCATION OF JOSEPH W. WALSH MINERAL LEASE, RALSTON CREEK MINING DISTRICT, JEFFERSON COUNTY, COLO. DMEA 3919



The Mena Mine

Section Through Drill Holes
M-5, & M-6 (Proposed)

Scale 1" = 20'

November 26, 1956

JOSEPH W. WALSH · OPERATOR

OFFICIAL FILE COPY
D M E A
RECEIVED MAR 14 1957

DATE	INITIALS	CODE

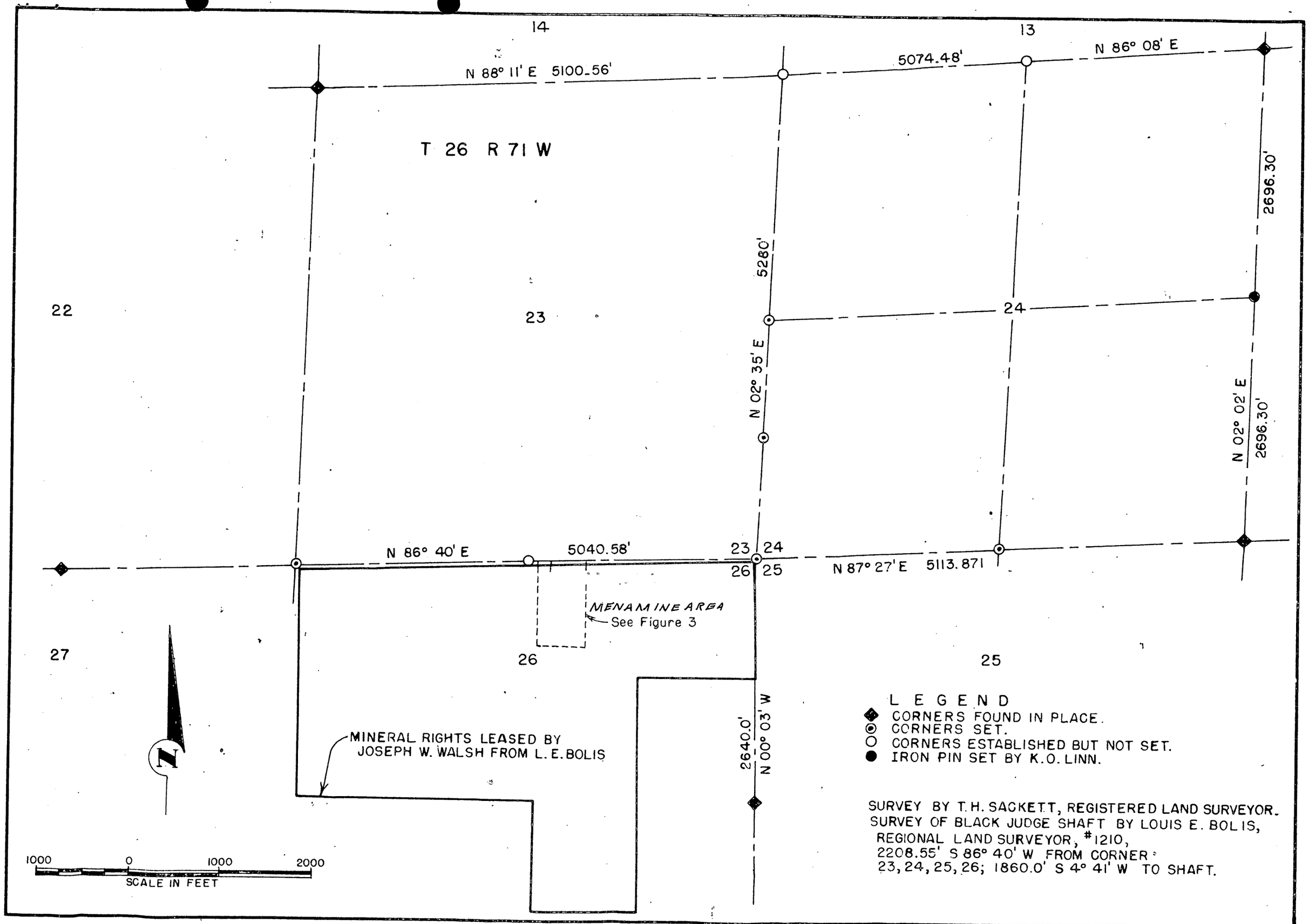
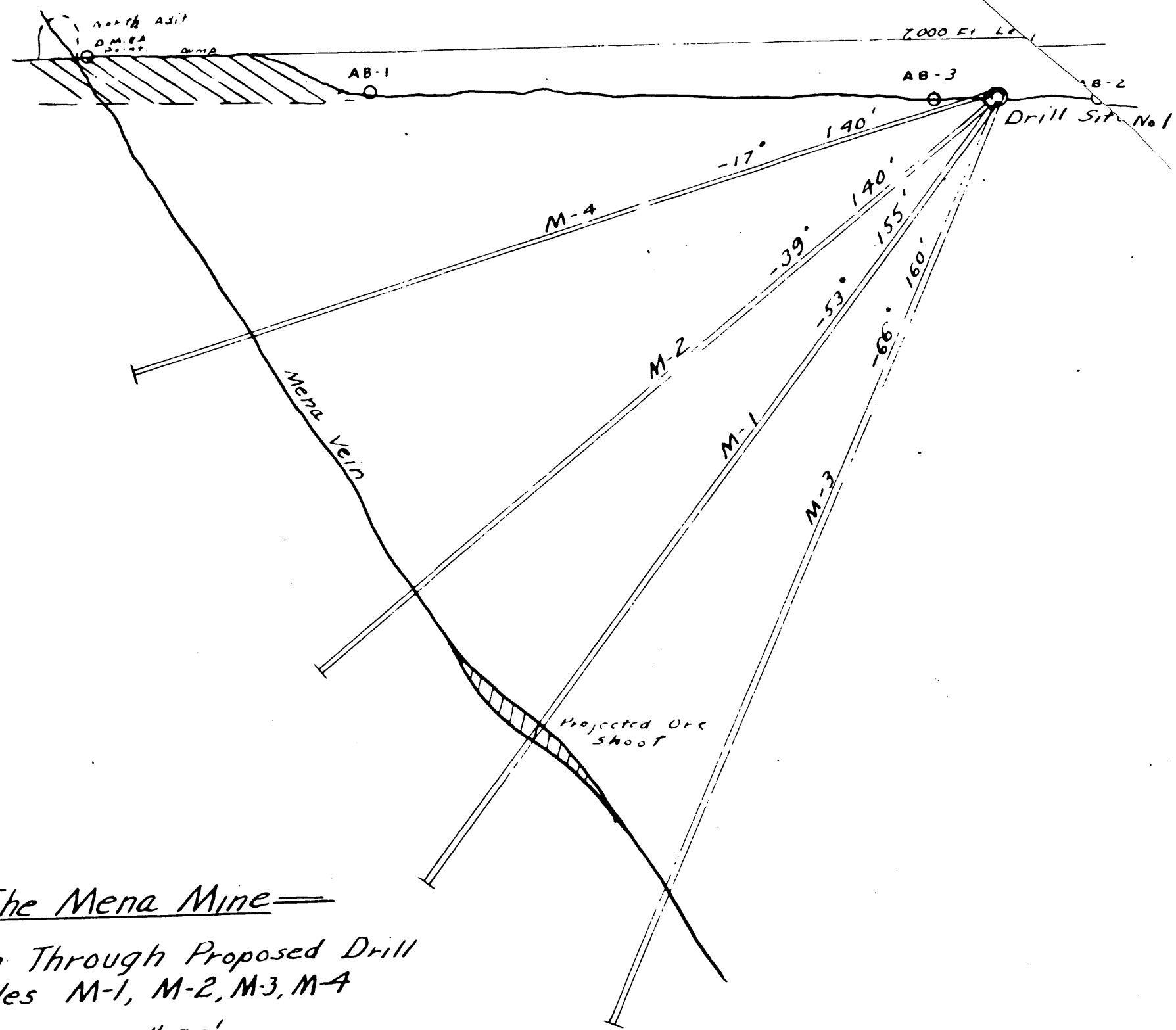


FIGURE 2 - LOCATION OF JOSEPH W. WALSH MINERAL LEASE, RALSTON CREEK MINING DISTRICT, JEFFERSON COUNTY, COLO. DMEA 3919
CONTRACT Idm-E915

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 24 1958

DATE	INITIALS	CODE



The Mena Mine

Section Through Proposed Drill Holes M-1, M-2, M-3, M-4

Scale 1" = 20'

November 26, 1956

JOSEPH W. WALSH · OPERATOR

OFFICIAL FILE COPY
D M E A
RECEIVED MAR 14 1957

DATE	INITIALS	CODE

Docket copy

Project Summary Report

By: F. L. Knouse November 25, 1958

1. Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915

Operator - Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Property - Consists of: NW¼ (160 acres); N½ of the NE¼ (80 acres); SW¼ of the NE¼ (40 acres); and the NW¼ of the SE¼ (40 acres), a total of 320 acres, in Sec. 26, T. 2 S., R. 71 W., 6th Principal Meridian and Base, Jefferson County, Colorado.

Property Rights -

The surface rights are owned by Oscar Dahlberg and the mineral rights owned by Louis E. Bolis. Operator controls the land by a lease option agreement, dated March 9, 1955. A Subordination Agreement and a Consent to Lien, both dated November 29, 1955, signed by both parties, are attached to the contract.

2. Contract date: February 3, 1956.

The project work was started February 27, 1956, and was completed June 27, 1958.

Work Authorized:

Consists of a two-stage drifting program along a uranium-mineralized breccia from two adit portals, one on the north side and one on the south side of a creek.

Stage I - Consisted of 200 feet of drifting northwesterly and 225 feet southwesterly.

Stage II - Consisted of not more than 225 feet of drifting southeasterly from the face or end of the southeasterly drift. (Stage I)

Stage II work was changed to the drilling of five diamond core holes to explore the vein at depth.

Estimated and Completed Cost of the Project Work

Stage I

Actual Cost	Estimated cost	Work Completed Units	Work Completed Cost
90 hrs. bulldozing @ $12/hr.	$1,080.00	65¼	$ 783.00
425 ft. drifting @ $29.95/ft.	12,303.75	424	12,274.80
3¼ mos. supervision and technical services @ $400/mo.	1,300.00	3¼	1,300.00
85 chemical analyses @ $5/sample	425.00	36	180.00
Total Stage I	$15,108.75		$14,537.80

Original Stage II

Actual Cost	
225 ft. drifting @ $29.20/ft.	$6,570.00
1-3/4 mos. supervision and technical services @ $400/mo.	700.00
45 chemical analyses @ $5/sample	225.00
Total Stage II	$7,495.00
Estimated Cost of Project (rounded)	$22,604.00
Government Participation @ 75%	$16,953.00

Stage II Modified (Amendment No. 3)

Actual Cost			
8 hrs. bulldozing @ $12/hr.	$ 96.00	5½	$ 63.75
*1,000 ft. core drilling @ $5/ft.	5,000.00	501	2,505.00
1,000 ft. radiometric probing @ $0.15/ft.	150.00	501	75.15

(Continued on p. 3)

*Only 4 of the 5 approved holes were drilled; underground work done by the Operator explored location of fifth hole. Two holes were drilled from underground workings which reduced estimated amount of drilling.

Stage II Modified (Amendment No. 3) continued

Actual Cost	Estimated cost	Work Completed Units	Work Completed Cost
2¼ mos. supervision and technical services @ $400/mo.	$ 900.00	2.19	$875.81
40 core boxes @ $0.75 each	30.00	40	30.00
Sample sacks	10.00	-	-
20 chemical analyses @ $5/sample	100.00	-	-
2¼ mos. accounting @ $50/mo.	112.50	2	100.00
Modified Cost - Total Stage II	$6,398.50		$3,649.71
Modified Est. total Cost of Project (rounded)	$21,508.00		$18,187.51
Government Particiation @ 75%	$16,131.00		$13,640.63

Amendments -

No. 1, dated July 17, 1957, extended completion date of contract work from August 1, 1956, to December 1, 1956.

No. 2, dated November 14, 1956, extended completion date of contract work from December 1, 1956, to May 1, 1957, and also increased the period to pay royalties on production from 10 to 11 years.

No. 3, dated April 22, 1957, extended period to complete contract work from May 1, 1957, to August 1, 1957; also provided for 5 diamond core drilling holes, in lieu of Stage II drifting, from the surface to explore the Mena vein about 100 feet down dip below at about 75 feet below the adit drifts. Cost details are shown in the above summary of costs "Stage II Modified".

No. 4 - dated July 31, 1957, extends period to complete contract work from August 1, 1957, to November 1, 1957, and also increases the period to pay royalties on production to 12 years.

No. 5, dated March 10, 1958, extended period to complete contract work from November 1, 1957, to June 30, 1958. Allowed a suspension of operations from September 10, 1957, to April 1, 1958. Also increased the period

to pay royalties to 13 years.

No. 6, dated March 26, 1958, provided that the inclination depth and direction of the 5 core-drill holes may be varied to fit conditions with the prior written approval of the Government.

No. 7, dated May 9, 1958, allowed the drilling of 3 core drill holes ~~to be drilled~~ from underground workings provided the holes were drilled to the same target objectives.

Final Reports -

Operator's - undated, received in Division October 31, 1958.

Field Team's - dated October 16, 1958, received in Division October 28, 1958.
Field Team's summary, dated November 18, 1958, received November 24, 1958.

3. Audit Report of Review, dated November 3, 1958.

Total cost as billed by Contractor		$18,211.70
Exceptions:		
Prior to review	$24.19	24.19
Total Accepted Cost		$18,187.51
Government Participation @ 75%		$13,640.63

4. Certification, dated June 23, 1958.

As a result of the ore discovered, mined and reserves, the Field Team recommended the project should be certified, and the writer concurs with these recommendations.

Production (June 30, 1958)

Tons	Percent U_3O_8
634,672	0.59

There was no reported uranium production prior to the DMEA contract.

Ore Reserves

Tons	Percent U_3O_8
100 to 200	0.5

5. Comments -

Work under the contract was performed and supervised in an acceptable manner. The Operator submitted satisfactory progress reports and a final report. However, the work should have been completed in a much shorter period. The Operator did considerable work at his expense during the recess periods.

The program was established to explore for uranium in a breccia reef (Mena vein). The reef was known to contain irregular bodies of carbonate-rich rocks that are veined by pitchblende and base-metal sulfides. On Ralston Creek, the reef was exposed and could be traced by outcrops more than 200 feet northwest and 450 feet to the southwest. Also, significant uranium deposits were being mined from two other deposits in the Ralston Creek District.

The rocks in the vicinity of the property consist chiefly of hornblended gneiss, hornblende-biotite schist, granite pegmatite, and aplite, all of Precambrian age. The rocks are cut by persistent northward-trending breccia reefs that split, give rise to separate veins and thin breccia zones. The "Mena vein" breccia reef, explored by the contract work, is 1 to 8 feet wide and consists of brecciated wall rocks bleached and altered. The breccia is veined and cemented largely by carbonates and is mineralized with chalcopyrite, pyrite, galena, bismuth, native silver, and pitchblende in a gangue of carbonate and quartz. The pitchblende occurs as thin seams associated with carbonate gangue.

Drifting along the breccia reef in the North adit exposed two ore shoots, one 19.4 feet to 39.9 feet, and another from 61.5 to 91.5 feet from the portal. This adit was continued to 200 feet but failed to encounter further uranium mineralization.

Drifting along the breccia reef in the south adit disclosed a small pod of ore 13.5 feet to 32 feet from the portal. The drift was driven 224 feet from the portal with negative results beyond the one ore pod.

ly four of the five authorized core holes were ed. Two were drilled from the surface and ~~one~~ two deeper underground workings-completed at the operator's expense. No encouraging uranium mineralization was found as a result of this drilling. However, various breccia reefs were penetrated by the drill holes. Since the holes were designed to cut the breccia reef about 100 feet below the surface, the discovered ore bodies probably bottomed above this elevation.

The Operator sank a shaft in the hanging wall of the Mena vein that intersected a paralleling breccia vein at a depth of about 90 feet. About 150 feet of drifting along this vein exposed some minor sulfide mineralization but was barren of uranium mineralization.

Therefore, further exploration of the property with Government assistance is not recommended.

F. L. Knouse

Form 17
58

K

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WORK COMPLETED ANALYSIS

After final audit or review report is received, prepare original only and file in official docket

Operator **Joseph W. Walsh**		Actual Cost	X
State **Colorado**		Agreed Unit Cost	
Final Report of Audit		Commodity **Uranium**	Docket No. **DMEA-3919**
Final Report of Review	✓		Contract No. **Idm-E915**

Operation	Authorized by Contract and Amendments		Completed		Net cost after sale of Government Property
	Units	Cost	Units	Cost	
Drifting & Crosscutting 5 ft. x 7 ft	425	$13,653.75	424'	$13,574.80	
Raising					
Shafts					
Winzes					
Drilling diamond core AX. (Specify)	1000'	$202.50	501'	*3,585.96	
Surface Excavation					
Underground Excavation					
Roads and Trails		1,176.00 ✓		846.75	
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) 108 sample analyses		525.00		180.00	
Totals (Rounded To)		$21,508.00		$18,187.51	*

* Net cost total must agree with final report of audit or review.

* Drilling allowed in lieu of 225 ft. drifting Phase II.

~~(Incomplete)~~

Prepared by Kasner Date 11-25-58

31398

COTTER CORPORATION
FIRST NATIONAL BANK BUILDING
CANON CITY, COLORADO
P. O. BOX 751

5113

November 6, 1964

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 9 1964

DATE	INITIALS	CODE
11/9	BEF	800
11/12	mm	120 m
		~~120~~

CRESTWOOD 5-3367-68

Acting Director DMEA
U. S. Department of Interior
Office of Minerals Exploration
Washington 25, D. C.

SUBJECT: DMEA 3919 your letter of November 3, 1964.

This will advise that there has not been any production for Magdalena Mining and Milling Company from the subject previous subsequent to July 31, 1962.

Cotter Corporation records indicate that the last DMEA royalty payment in the amount of $48.90, refer our Liquidation No. 8 dated July 31, 1962, was paid to your office.

E915

Yours very truly

COTTER CORPORATION

W. K. Carhartt
Assistant Manager

WKC:pk

cc: WKC
corr
num

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
11/3	Selfridge	120
		120M
11/3	Johnson	110
		100
		220

NOV 3 - 1964

Cotter Corporation
First National Bank Building
P. O. Box 751
Canon City, Colorado

Re: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-E915

Gentlemen:

In a letter of March 9, 1962, by W. K. Earhartt, Assistant Manager, you kindly informed Mr. Connors that the Magdalena Mining and Milling Company had entered into an agreement with Joe Walsh concerning the Mena Mine.

For our records, will you please inform us of the duration of the agreement and whether or not there was any production by Magdalena after July 31, 1962.

Sincerely yours,

George Fumich, Jr. (gla)

Acting Director

GCSelfridge/gla (11-3-64)
cc to: Director's Reading File
Docket
Region III
Mr. Selfridge
120M

23263

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAR 14 1962
DATE
3/14 WW 800
Murphy 500

220

March 12, 1962

W. K. Carhartt
Assistant Manager
Cotter Corporation
P. O. Box 751
Canon City, Colorado

Re: DMEA-3919 (Uranium)
Contract I&m E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Carhartt:

This responds to your letter of March 9, 1962 on the captioned contract. Our records in this office, which are subject to audit, show the balance due the Government, on royalty from the production of ore before February 3, 1969, is $11,332.23.

A copy of your letter is being forwarded the Washington office OME and they will advise you if the loan balance quoted above is incorrect.

Yours very truly,

Original signed by

Hugh M. Commers
Acting Field Officer, OME
Region III

HMC/lm
cc Chief, Division of Field Operations, OME
With original and one copy of W. K. Carhartt's letter 3/9/62
Royalty Corres. E915
Chron

Correct balance repayable is $11,332.43
Talbot
3/14/62

COTTER CORPORATION
FIRST NATIONAL BANK BUILDING
CANON CITY, COLORADO
P. O. BOX 751

March 9, 1962

CRestwood 5-3367-68

OME
DEPARTMENT OF THE INTERIOR
MAR 12 1962
REGION III
DENVER, COLORADO

Hugh M. Connors
Acting Field Officer, OME
Building 20 - Federal Center
Denver 25, Colorado

Re: DMEA-3919 (Uranium)
Contract Idm E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Conners:

A subsidiary of Cotter Corporation called Magdalena Mining and Milling Company has entered into an agreement with Joe Walsh concerning the Mena Mine.

It would be appreciated if we could obtain the present DMEA loan balance, since Magdalena Mining and Milling Company will in case of all future shipments and liquidations, deduct and pay the proper amount directly to your office.

Very truly yours,

COTTER CORPORATION

W. K. Carhartt
Assistant Manager

WKC:blb

cc: SF
JW - file
WKC
num.

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 15 1961

DATE	INITIALS	CODE
12/18	LEW	800
		~~500~~
"	gla	500
		220

December 11, 1961

Joseph W. Walsh
4925 Mentview Boulevard
Denver 7, Colorado

Re: DMEA-3919 (Uranium)
Contract Idm E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Enclosed is a copy of the Report of Royalty Review on the captioned property dated December 1, 1961 for the period October 6, 1960, through November 27, 1961, which shows that no royalty is due the Government at this time.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

Enclosure
HMC/lm
cc Chief, Division of Field Operations, OME
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. Idm E915
Chron

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 15 1961

DATE	INITIALS	CODE

December 11, 1961

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D.C.

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

Subject: DMEA-3919 (Uranium)
Contract Idm E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Attached is the original Report of Royalty Review on the subject property dated December 1, 1961 covering the period October 6, 1960, through November 27, 1961.

Original signed by

Hugh M. Connors

Attachment
HMC/lm
cc Chief, Division of Field Operations (2)
E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Royalty Corres. E915
Chron

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		220

DEC 1 1961

Memorandum

To: Acting Field Officer, Region III

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMRA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-E915

The original and two copies of a Report of Royalty Review covering the subject contract are attached. If you concur in the facts stated therein, please make the following distribution:

(a) Original to the Fiscal Section, Division of Administrative Services, Office of the Secretary, Department of the Interior, Washington 25, D. C.;
(b) One copy for the Operator; and
(c) One copy for your files.

As evidence of your concurrence, a copy of your letter transmitting the copy of the report to the Operator should be furnished this Division. If for any reason you do not concur, the original and both copies of the report should be returned to this Division with your comments.

Attachments

EDTalbert/ama 12-1-61

cc:
Docket
Director's Reading File
CA & A Division
Mr. Rothrock

43683

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

OFFICIAL FILE COPY O. M. E RECEIVED NOV 29 1961		
DATE	INITIALS	CODE
11/29	[illegible]	800
		500
11/30	Murphy	500
		220

November 27, 1961

Memorandum

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

From: Acting Field Officer, OME, Region III

Subject: DMEA-3919 (Uranium)
Contract Idm E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

This responds to your memorandum of November 21, 1961 on the subject contract.

Attached is a copy of a letter to Mr. Gaskin acknowledging my mistake.

Hugh M. Connors

Hugh M. Connors

Attachments

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 29 1961

November 27, 1961

R. J. Gaskin, Treasurer
Cotter Corporation
P. O. Box 627
Santa Fe, New Mexico

Re: DMEA-3919 (Uranium)
Contract Idm E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Gaskin:

Thank you for your letter of November 24, 1961 and the settlement sheets which were attached.

Please disregard my letter to you dated November 17, 1961 and accept my apologies for writing it. Our records now show that the Government has received the proper amount of royalty due on liquidations no. 4 and 5 from the captioned property. We appreciate your withholding the royalty from each shipment of ore and forwarding it to this office and request that you continue to do so.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

HMC/lm
cc Chief, Division of Field Operations, OME, w/copy of Gaskin's letter and settlement sheets
Royalty Corres. E915
Chron

Cotter Corporation
P. O. BOX 627
Santa Fe, New Mexico

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 29 1961

DATE	INITIALS	CODE
	OME	
DEPARTMENT OF THE INTERIOR		

DENVER, COLORADO

November 24, 1961

Executive Officer
OME Field Team Region III
Office of Minerals Exploration
Building 20, Denver Federal Center
Denver 25, Colorado

RE: DMEA-3919 (Uranium)
Contract Idm E 915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Gentlemen:

We have your letter of November 17th regarding ore liquidations by Cotter mill of the above property.

The February and May settlement sheets referred to in your letter were mailed to you in the respective months accompanied by our check No. 2631 in the amount of $111.12 dated February 20th, and our check No. 2986 in the amount of $102.13 dated May 26th. I am enclosing duplicate copies of the liquidation sheets for your files.

correct! Talbert 11/29/61

I cannot understand why your records show these two items unpaid as we have the cancelled checks in our files.

Very truly yours,

R. J. Gaskin
Treasurer

RJG:mlr
encs.

Cotter Corporation, N.S.L.

P. O. Box 751
Cañon City, Colorado

DATE TYPED Feb. 16, 1961

LIQUIDATION NO. 4 SHIPPERS LOT NO. 4 MONTH LIQUIDATED 2/23/61

DATE RECEIVED Jan. 1961

SHIPPERS A.E.C. LICENSE NO. P-2386 A.E.C. CONTRACT NO. AT(05-1)783

SHIPPER Joseph W. Walsh

ADDRESS 4925 Montview Blvd., Denver 7, Colorado

TYPE OF ORE Primary

MINING PROPERTY Hana Mine MINING DISTRICT Ralston Creek

COUNTY Jefferson STATE Colorado

CRUSHED AND DELIVERED TO COTTER CORP. MILL

MILES TO MILL 141

COTTER STOCKPILE NO.

Lot No.	Wet Weight Pounds	% H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8		CONTENTS POUNDS U_3O_8	
4	152,690	4.77	145,413	.287		417.35	
Tons	76.345		72.709			x 88% = 367.27 lbs.	

SETTLEMENT PER CONTRACT:
367.27 lbs. X $ 7.10 = $ 2,607.62
Less Custom Milling Charge: 72.709 tons @ $ 11.60/ton 843.34
$ 1,764.28
Haulage: 100 miles = $6.00 X 76.345 tons = 458.07
Gross Proceeds $ 2,222.35

DEDUCTIONS:
Royalty: to DMEA 5% of $ 2,222.35 = $ 111.12 Pd check # 2631
Freight: Paid to Westway Motor Co. 458.07 20 Feb '61
Total Deductions 569.19
Net Proceeds $ 1,653.16

DISTRIBUTION:
3 - Shipper
2 - Santa Fe
1 - GEH
5 - Liquidation
2/2) 1 - Master Liq. file
1 - Num.
1 - Voucher
3 - Royalty - DMEA

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 29 1961

DATE	INITIALS	CODE

OME
DEPARTMENT OF THE INTERIOR
NOV 27 1961
REGION III
DENVER, COLORADO

I hereby acknowledge, by my signature, that I have read and agree to all the terms and conditions stated on the reverse side of this liquidation.

Signed and submitted this ..... day of ....., 19.....

Owner or authorized representative

GWC **Sign and return the original copy to Cotter Corporation, NSL, P. O. Box 751, Cañon City, Colorado.**

TERMS AND CONDITIONS

I certify that I am the lawful owner or authorized representative of the lawful owner of the ore described in this Settlement Sheet and have legal right to deliver the same to the COTTER CORPORATION. I certify that I hold the AEC Source Material License number as shown.

Effective as of the date of delivery of the ore full custody thereof is transferred to Cotter Corporation together with complete authority to process, treat, and handle the same and all concentrates derived therefrom upon the terms, conditions, and prices provided in the Custom Milling Agreement and/or Concentrate Purchase Agreement previously entered into between the Owner and Cotter Corporation.

I will accept the amount shown as "Total Net Payment" in full settlement of sums due me on account of the ore deliveries described herein and the concentrates derived therefrom. The payment thereof shall transfer to Cotter Corporation all my right, title and interest in and to said concentrates, the ore, and all residue, tailings or waste products thereof.

"Total Net Payment" is calculated and accepted upon the basis of the prices, allowances and charges set forth in the aforementioned Custom Milling Agreement and/or Concentrate Purchase Agreement.

Cotter Corporation's assays govern if Owner fails to submit his assays prior to acceptance of payment.

Cotter Corporation, N.S.L.

P. O. Box 751

Canon City, Colorado

1958

Date Received 4/17-26/61

LIQUIDATION NO. 5 SHIPPERS LOT NO. 5 DATE LIQUIDATED May 31, 1961

SHIPPERS A.E.C. LICENSE NO. _____ A.E.C. CONTRACT NO. AT(05-1)783

SHIPPER Joseph W. Walsh

ADDRESS 4925 Montview Blvd., Denver 7, Colorado

TYPE OF ORE Primary

MINING PROPERTY Mana Mine MINING DISTRICT Ralston Creek

COUNTY Jefferson STATE Colorado

CRUSHED AND DELIVERED TO COTTER CORP. MILL

Miles to Mill: 141

COTTER STOCKPILE NO. _____

Lot No.	Wet Weight Pounds	% H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8		CONTENTS POUNDS U_3O_8	
5	182,950	4.21	175,264	.211		369.81 x 88% 325.43	
Tons	91.475		87.632				

Settlement per Contract: 325.43 lbs. x $7.10 = $ 2,310.55

Less Custom Milling Charge: 87.632 tons @ $9.32/ton = 816.86

(87.632 dry tons x $17.045/ton) Total $ 1,493.69

Haulage: 100 miles @ $6.00/ton x 91.475 = 548.85

Gross Proceeds $ 2,042.54

DEDUCTIONS:

Royalty: to DMEA 5% of $2,042.54 = $ 102.13 Pd chk # 2986

Freight: Paid to Westwey Motor Co. 548.85 26 May 61

Total Deductions 650.98

Net Proceeds $ 1,391.56

DISTRIBUTION:

3 - Shipper
2 - Santa Fe
1 - CEH
6 - Liquidation File
5/3 1 - Master Liquidation File
1 - Numerical
1 - Voucher
3 - Royalty - DMEA

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 29 1961

DATE	INITIALS	

OME
DEPARTMENT OF THE INTERIOR
NOV 27 1961
REGION III
DENVER, COLORADO

I certify that I am the lawful owner or authorized Representative of the Lawful Owner of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Cotter Corporation, buyer authorized by the United States Atomic Energy Commission.

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

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

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

Sign and Return Original Liquidation to Cotter Corp., N.S.L. _____

Seller or Agent

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

OK

OFFICIAL FILE COPY

Date	Surname	Code
11/21	Talbert	800
"	Murphy	500
	Mysinski	500
11/21	[illegible]	130
"	Johnson	110
11/21	Farnsh	100
		220

NOV 21 1961

Memorandum

To: Acting Field Officer, Region III

From: Chief, Division of Field Operations

Subject: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-E915

Although I concur in your opinion of the subject Operator, as expressed in your November 17 memorandum, we have no recourse but to follow prescribed procedures regarding the collection of debts due the Government.

Under the provisions of 4 GAO 5000, agencies are required to use all administrative means reasonably available and consistent with good business practices, including timely and aggressive demands upon the debtor, to collect debts determined to be due. Part 344.1 of the Departmental Manual requires timely, forceful and persistent action in our collection efforts prior to the determination that a debt is administratively uncollectible and reportable to the Claims Division of the General Accounting Office.

Accordingly, upon receipt of the information requested in your November 17 letter to the Cotter Corporation, you should calculate the royalty due and promptly send a demand letter to the Operator. If remittance is not received within thirty days, another demand should be addressed to the Operator. If, after another thirty days, this last demand is also unsuccessful, the matter should be referred to this office for further action. If our collection efforts are likewise unproductive, we will report the debt to the General Accounting Office as being administratively uncollectible.

In other words, we must follow the same general procedure used in connection with the past indebtedness of $165.65, which was reported to the General Accounting Office on March 17, 1961. The collection of this debt was listed in the October 1961 report of fiscal transactions, a copy of which was sent to you by my November 6 memorandum.

/s/ George C. Selfridge

EDTalbert/ama
November 20, 1961

Copy to: Docket
Director's Reading File
CA & A Division
Review Committee

P. S. It is suggested that, in acknowledging receipt of the settlement sheets, you request the Cotter Corporation to deduct and remit the percentage royalty on all future shipments by the Operator.

43683

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

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 20 1961

DATE	INITIALS	
11/20	[illegible]	800
		500
		500

November 17, 1961

Memorandum

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

From: Acting Field Officer, OME, Region III

Subject: DMEA-3919 (Uranium)
Contract Idm E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

I am not happy with the attitude of the subject Operator. A review of the AEC production records for the first two quarters of 1961 show that two shipments of ore have been made from the property during that period on which we have not received royalty.

The Operator has failed in the past to keep his agreements with me and he has failed, apparently, to keep his agreement with you dated January 10, 1961. There is absolutely no excuse for this Operator withholding money due the Government because he is a wealthy man.

I recommend that drastic action be taken by your office to collect the money due the Government.

Hugh M. Connors

Hugh M. Connors

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 20 1961

DATE	INITIALS	CODE
11/20	[illegible]	800
		500
		500

Building 20 - Federal Center
Denver 25, Colorado

November 17, 1961

Cotter Corporation
First National Bank Building
P. O. Box 751
Canon City, Colorado

Re: DMRA-3919 (Uranium)
Contract Idm E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Gentlemen:

Two shipments of ore were received at your mill during the first half of 1961 on which royalty was due the Government but has not as yet been received by this office.

Will you please forward this office two copies of the settlement sheets for the following shipments of ore:

Month	Dry Tons	Pounds U_3O_8
February	72.71	417.35
May	87.63	369.81

I assume there probably have been more shipments of ore from this property to your mill during the second half of 1961. Will you please forward this office two copies of all settlements sheets of ore from this property for the entire year of 1961.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

HMC/lm
CC Chief, Division of Field Operations, OME
Royalty Corres E915
Chron

ME Form 7
10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		220

NOV 1 3 1961

Memorandum

To: Acting Field Officer, Region III

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-8915

This Division is preparing a Report of Royalty Review on the subject contract. Accordingly, your submission of an original and one copy of MME Form 22, Check Sheet of Examining Engineer, will be appreciated.

EDTalbert/ama
November 13, 1961

Copy to: Docket
Director's Reading File
CA & A Division

43683

DOCUMENT REQUEST
OAS-72 (New 6-60)

U. S. GENERAL ACCOUNTING OFFICE
RECORDS MANAGEMENT AND SERVICES BRANCH
RECORDS INFORMATION UNIT
WASHINGTON 25, D. C.

April 13, 1961

Claim No. OAS-RI-Z-2111990-VEG
Name Joseph W. Walsh

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 8 1961
V. A. NOVSES

	DATE	INITIALS	CODE
Loan No.			
C. No.			
Station No.			800
Bank or Debtor			

Frank E. Johnson, Acting Director
Office of Minerals Exploration
U. S. Department of the Interior
Washington 25, D. C.

For use in connection with the above cited case, it is requested that the following described ORIGINAL Documents be furnished at the earliest practicable date:

CONTRACT OR PURCHASE ORDER NO.	DATE	NAME OF CONTRACTOR
Idm-E915	2-3-56	Joseph W. Walsh 4925 Montview Blvd., Denver 7, Colorado

D/O VOU. NO.	BUR. VOU. NO.	SCHEDULE NO.	DISBURSING OFFICER	SYMBOL	DATE PAID

The original of this request should be returned with the documents by 1st Indorsement hereon.
If the documents cannot be furnished, please give the reason on the reverse.
When the documents have served their purpose they will be returned.

SIGNATURE *(Unit Head, Records Information Unit)*
B. A. Kehns

1st INDORSEMENT

From: Office of Minerals Exploration
U. S. Department of the Interior
Washington 25, D. C.

DATE 4-14-61

To: U. S. GENERAL ACCOUNTING OFFICE, RECORDS MANAGEMENT AND SERVICES BRANCH, RECORDS INFORMATION UNIT, WASHINGTON 25, D. C.

[x] FORWARDED AS REQUESTED (See Reverse) [ ] NOT FORWARDED *(See reverse side for reason)*

SIGNATURE Frank E. Johnson
TITLE Acting Director
Frank E. Johnson

2nd INDORSEMENT

[X] THE DOCUMENTS FORWARDED BY 1st INDORSEMENT ARE RETURNED.

DATE 11/6/61

SIGNATURE *(Unit Head, Records Information Unit)*
B. A. Kehns

Contract Idm-E915, Docket DMEA-3919, consisting of:

Exploration Project Contract dated Feb. 3, 1956, and attachments:

Annex I
Exhibit "A"
Maps, Figures 2 and 3
Subordination Agreement of Oscar Dahlberg and Lewis E. Bolis
Consent to Lien of Oscar Dahlberg and Lewis E. Bolis
Amendments Nos. 1, 2, 3 (with map), 4, 5, 6, and 7

APR 1961
RECEIVED
OAS - RI

Form 7
(58)

OFFICIAL FILE COPY

Date	Surname	Code
5/2	Talbert	800
"	Murphy	500
	Lorenz	500
5/2	Selfridge	120
		110
5/2	gad	220

MAY 2 1961

Chief, Debt Section
Claims Division
General Accounting Office
Washington 25, D. C.

Your Re: DW-Z 2111990-ADH-6
Our Re: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-8915

Gentlemen:

Your April 26 letter requests a statement of the dates of shipments, net value of each, number of long dry tons, value per ton, and the royalty rate in support of the $165.65 indebtedness reported by my March 17 letter.

Uranium ores are handled on a short dry ton rather than a long dry ton basis. Also, settlement documents indicate dates of receipt by the A.E.C. buying station and the settlement dates rather than the dates of shipment. With these exceptions the requested statement follows:

Liquidation No.	1	606
Date Received	7/1-8/59	2/9/60
Settlement Date	7/17/59	2/23/60
Short Dry Tons	70.172	54.644
Proceeds:		
Receiving Station	$2,090.74	$ 814.02
A.E.C. Bonus	1,375.36	1,032.78
Total	$3,466.10	$1,846.80
Value Per Ton	$ 49.39	$ 33.80
Royalty at 5%	$ 173.31	$ 92.34

The $265.65 indebtedness for royalty on these two shipments was reduced to $165.65 by a remittance of $100.00 which accompanied Mr. Walsh's letter of January 10, 1961. A copy of this letter, in which the indebtedness was acknowledged, was included in the enclosures with my March 17 letter.

Sincerely yours,

EDTalbert/ama
May 1, 1961

(signed) FRANK E. JOHNSON
Acting Director

Copy to: Docket
Director's Read. File
CA & A Division
Acting Field Officer, Region III (2)

43683

UNITED STATES GENERAL ACCOUNTING OFFICE
WASHINGTON 25, D. C.

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 1 1961

DATE	INITIALS	CODE
5-1	gad	VVO
5/1	[illegible]	800
		500

CLAIMS DIVISION
IN REPLY PLEASE QUOTE

DW-Z 2111990-ADH-6

April 26, 1961

United States Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Re: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract IDM-E915

Gentlemen:

Reference is made to your letter dated March 17, 1961 relative to the indebtedness of Joseph W. Walsh to the United States in the amount of $165.65 under the cited contract.

In this connection it is requested that this office be furnished a statement showing the dates of the shipments, net value of each, number of long dry tons, value per ton and the royalty rate, to support the indebtedness.

Very truly yours,

Chief, Debt Section

By: F. W. Brandenburg

JMENT REQUEST
72 (New 6-60)

U. S. GENERAL ACCOUNTING OFFICE
RECORDS MANAGEMENT AND SERVICES BRANCH
RECORDS INFORMATION UNIT
WASHINGTON 25, D. C.

April 13, 1961

Claim No. OAS-RI-Z-2111990-VEG
Name Joseph W. Walsh

OFFICIAL FILE COPY
O. M. E
RECEIVED APR 14 1961

DATE	INITIALS	CODE
4/14	gad	VVO
4/14	[illegible]	800
4/14	gad	VVO

Loan No.
C. No.
Station No.
Bank or Debtor

Frank E. Johnson, Acting Director
Office of Minerals Exploration
U. S. Department of the Interior
Washington 25, D. C.

For use in connection with the above cited case, it is requested that the following described ORIGINAL Documents be furnished at the earliest practicable date:

CONTRACT OR PURCHASE ORDER NO.	DATE	NAME OF CONTRACTOR
Idm-E915	2-3-56	Joseph W. Walsh 4925 Montview Blvd., Denver 7, Colorado

D/O VOU. NO.	BUR. VOU. NO.	SCHEDULE NO.	DISBURSING OFFICER	SYMBOL	DATE PAID

The original of this request should be returned with the documents by 1st Indorsement hereon.
If the documents cannot be furnished, please give the reason on the reverse.
When the documents have served their purpose they will be returned.

SIGNATURE *(Unit Head, Records Information Unit)*

(Signed) B. F. Kerns

1st INDORSEMENT

From: Office of Minerals Exploration
U. S. Department of the Interior
Washington 25, D. C.

DATE 4-14-61

To: U. S. GENERAL ACCOUNTING OFFICE, RECORDS MANAGEMENT AND SERVICES BRANCH, RECORDS INFORMATION UNIT, WASHINGTON 25, D. C.

☒ FORWARDED AS REQUESTED (See Reverse) ☐ NOT FORWARDED *(See reverse side for reason)*

SIGNATURE Frank E. Johnson

TITLE Acting Director

Frank E. Johnson

2nd INDORSEMENT

APR 14 1961

☐ THE DOCUMENTS FORWARDED BY 1st INDORSEMENT ARE RETURNED.

DATE

SIGNATURE *(Unit Head, Records Information Unit)*

Contract Idm-E915, Docket DMEA-3919, consisting of:

Exploration Project Contract dated Feb. 3, 1956, and attachments:

Annex I
Exhibit "A"
Maps, Figures 2 and 3
Subordination Agreement of Oscar Dahlberg and Lewis E. Bolis
Consent to Lien of Oscar Dahlberg and Lewis E. Bolis
Amendments Nos. 1, 2, 3 (with map), 4, 5, 6, and 7

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

OFFICIAL FILE COPY
O. M. E
RECEIVED MAR 22 1961

DATE	INITIALS	CODE
3/22	gad	220
3/22	[illegible]	800
	~~[illegible]~~	~~[illegible]~~
		220

March 20, 1961

Memorandum

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

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

Subject: DMEA-3919 (Uranium)
Contract Idm E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

A check of AEC production records for the third and fourth quarters of 1960 show no production of ore from the subject property.

Hugh M. Connors

Hugh M. Connors

Form 7
-58)

OFFICIAL FILE COPY

Date	Surname	Code
3/17	Talbert	800
	Simonds	500
		500
3/17	Selfridge	120
		110
3/17	gad	220

MAR 1 7 1961

Claims Division
General Accounting Office
Washington 25, D. C.

Re: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-E915

Gentlemen:

In accordance with the provisions of 4 GAO 5000 and the Comptroller General's decision B-136448 of July 31, 1958, there is referred to you the matter of delinquent royalty in the amount of $165.65 on minerals production applicable to Defense Minerals Exploration Administration contract Idm-E915 with Joseph W. Walsh. The facts pertinent to the determination of this debt and the collection efforts of this office, as successor to the DMEA, follow.

On February 3, 1956, Joseph W. Walsh, whose present address is 4925 Montview Boulevard, Denver 7, Colorado, entered into contract Idm-E915 with the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration. In general, the contract, as amended, provided that: (a) Joseph W. Walsh (hereinafter referred to as the Operator) should conduct an exploration project for uranium as outlined in the contract; (b) the Government would pay the Operator 75 percent of the allowable costs incurred; and (c) if the Government certified that a discovery or development resulted from the work, the Operator, as principal if the producer or as surety if not the producer, should pay the Government a percentage royalty on the gross proceeds from sales of any mineral production from the land described in the contract for a period of thirteen years from the date of the contract or until the amount contributed by the Government is repaid.

As the Operator was a lessee-optionee of the land under the contract, the execution by the landowners of a Subordination Agreement and a Consent to Lien was a prerequisite to the award of the exploration contract. Such documents, which were executed on November 29, 1955, by Oscar Dahlberg and Louis E. Bolis, both of Golden, Colorado, subordinated all their rights under the lease with the Operator to the

43683

interests, equities, and rights of the Government under the contract and granted to the Government a lien upon the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty provided by the exploration contract. The land is described in a lease dated March 9, 1955, recorded in Book 909, pages 341 to 349, of the official records of Jefferson County, Colorado. It consists of 320 acres situated in the NW¼, N½ of NE¼, SW¼ of NE¼, and NW¼ of SE¼ of Sec. 26, T. 2 S., R. 71 W., 6th Principal Meridian and Base, Jefferson County, Colorado.

After completion of the exploration work under the contract, to which the Government contributed $13,640.63, a Certification of Discovery or Development was issued on June 23, 1958. The Operator sold uranium ore produced from the land and paid the Government an aggregate of $1,979.22 in royalty. The Operator failed, however, to pay a royalty to the Government on two ore shipments, one during July 1959 and one during April 1960.

On April 4, 1960, the Executive Officer, OME Field Team, Region III, addressed a letter to the Operator requesting payment of $173.31 in royalty on the first of these shipments. A follow-up demand was made by the Acting Field Officer, as successor to the Executive Officer, in a letter dated May 4, 1960. Neither remittance nor reply resulted from these letters.

On June 13, 1960, this office sent a letter by certified mail requesting payment of the delinquent royalty. As neither payment nor reply was received, and subsequent investigation disclosed the second shipment on which royalty had not been paid, this office sent another letter by certified mail on October 4, 1960, requesting payment of $265.65 in past due royalty. This letter, likewise, bore no results.

Under date of December 14, 1960, a further demand was sent to the Operator by certified mail, with return receipt requested. Similar letters were sent to each of the landowners. In a reply dated January 10, 1961, the Operator admitted the indebtedness, remitted $100.00 on account, and promised to pay an additional $100.00 on February 15, 1961, and the balance of $65.65 on March 15, 1961. By letter dated January 12, 1961, this office acknowledged receipt of the $100.00 remittance and acquiesced to the proposed payment schedule. No further remittance or communication, however, has been received, even though an additional follow-up letter was addressed to the Operator on March 3, 1961.

Copies of all correspondence from June 13, 1960, to date, as referred to in the preceding paragraphs, are enclosed.

All means administratively available to this office to effect collection of this $165.65 indebtedness for royalty have been unsuccessful. Accordingly, the matter is reported to you for such action as may be deemed appropriate. In the event of collection, proceeds are for deposit to "14X4401 Revolving Fund, Defense Production Act, Interior".

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

Enclosures

EDTalbert/ama
March 17, 1961

Copy to: Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region III (2)
Mr. Rothrock

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
3/2	Talbert	800
3/2	Murphy	500
	Friend	500
3/3	Lefkowitz	120
		110
3/3	gad	220

MAR 3 1961

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-E915

Dear Mr. Walsh:

By letter dated January 12, 1961, I advised you that further collection action in the matter of your indebtedness under the referenced contract would be withheld provided that the balance due was liquidated promptly on the schedule set forth in your January 10 letter.

It was hoped that payments would be received as promised, thereby alleviating the need for additional collection action and probable further costs to you. To this date, however, you have failed to make the payment of $100.00 promised for February 15.

I trust that you will favor us with your prompt remittance of the entire balance due of $165.65 in order that this matter may be closed without further action. If payment is not received by March 15, I will have no alternative but to refer the matter to the Comptroller General of the United States.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

EDTalbert/ama
March 2, 1961

Copy to: Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region III (2)

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
1/11	Talbert	800
	Murphy	500
1/11	[illegible]	
1/12	Selfridge	420
"	Johnson	110
1-12	gad	220

JAN 1 2 1961

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-8915

Dear Mr. Walsh:

Receipt is acknowledged of your January 10 letter enclosing your $100.00 check in partial liquidation of the delinquent royalty due the Government and presenting a proposal for payment of the balance.

Further collection action in this matter will be withheld provided that the balance due is liquidated promptly on the schedule set forth in your letter, that is, $100.00 on February 15, 1961, and $65.65 on March 15, 1961.

Please make future checks payable to the Office of Minerals Exploration.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

EDTalbert/ama
January 11, 1961

Copy to: Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region III (2) w/copies of incoming ltr.

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
1/11	gad	220

JAN 1 1 1961

Memorandum

To: Chief, Fiscal Section
Division of Administrative Services
Office of the Secretary

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-E915

Attached for deposit to the subject DMEA account under symbol 14X4401 as a royalty receipt is Mena Mine's check no. 3409, dated January 10, 1961, in the amount of $100.00, drawn on The Central Bank and Trust Company, Denver, Colorado.

This check represents a partial liquidation of the subject operator's indebtedness for delinquent royalty.

Attachment

EDTalbert/ama
January 11, 1961

Copy to: Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region III (2)

43683

4925 Montview Blvd.
Denver 7, Colorado
January 10, 1961

Mr. Frank E. Johnson
U. S. Dept. of the Interior
Office of Minerals Exploration
Washington 25, D. C.

Re: DMEA-3919 (Uranium)
Joseph W. Walsh
Mena Mine
Jefferson County, Colorado
Contract Idm-E915

Dear Mr. Johnson:

I have been very lax in answering your requests for payment of the $265.65 royalty I owe you. Always in hopes that I would be able to raise enough money to pay you it in full.

Enclosed is my check for $100.00 to apply towards this royalty. I will be able to send you an additional $100.00 on February 15, 1961 and the balance of $65.65 on March 15, 1961. Sincerely hope that this type of settlement will be agreeable with you.

Thank you for the consideration you will give this request and I await your reply.

Sincerely yours,

Joseph W. Walsh

Joseph W. Walsh

OFFICIAL FILE COPY
O. M. E
RECEIVED JAN 11 1961

DATE	INITIALS	
1-11	gad	V.V.O
		800
		500

50 1960

3919
E 915

100

#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)*

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

DATE DELIVERED	ADDRESS WHERE DELIVERED *(only if requested in item #1)*
DEC 16 1960	

C55—16—71548-4 GPO

#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)*

Oscar Dahlberg

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

DATE DELIVERED	ADDRESS WHERE DELIVERED *(only if requested in item #1)*
	DEC 22 1960

C55—16—71548-4 GPO

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/8	Talbert	800
	Freeman	500
12/8	Selford	120
	Seeber	140
12/14	McGillamey Johnson	220
12-14	gad	220

DEC 14 1960

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: MMA-3910 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Ida-6915

Dear Mr. Walsh:

By letter dated October 4, 1960, I requested your remittance of delinquent royalty due the Government under the referenced contract in the amount of $269.65 or a partial payment on account coupled with submission of a plan for the orderly liquidation of the balance. To date neither a remittance nor a reply has been received.

This office does not have the authority to postpone indefinitely such action as may be necessary to enforce the collection of royalty properly due the Government under the provisions of an exploration project contract. Accordingly, if payment of the delinquent royalty is not received within 30 days of the date of this letter, I will have no alternative but to report this delinquency to the Comptroller General of the United States for such action as may be in the interest of the Government.

Sincerely yours,

RECEIVED
DEC 9 1960
ASSOC. SOLICITOR
MINERAL RESOURCES

FROM SOLICITOR
DEC 1 3 1960
FOR SIGNATURE

(signed) FRANK E. JOHNSON
Acting Director

EDTalbert/ama
December 8, 1960

Copy to: Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region III (2)

RECEIVED
DEC 1960
SOLICITOR
MINERAL RESOURCES
ASSOC. SOLICITOR
MINERAL RESOURCES

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/8	Talbert	800
	Murrine	500
12/8	Selfridge	120
	Dozier	140
12/12	Johnson	110
12-14	gad	320

DEC 14 1960

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Oscar Dahlberg
Golden, Colorado

Re: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-E915

Dear Mr. Dahlberg:

Enclosed is a copy of my letter of this date to Joseph W. Walsh demanding payment within 30 days of delinquent royalty in the amount of $265.65 due the Government under the provisions of the referenced contract.

In consideration of the contract and as an inducement to the Government to enter into it, a Consent to Lien and a Subordination Agreement were executed by you on November 29, 1955. Under the provisions of these documents, you subordinated your rights in or against the land under the contract and granted to the Government a lien upon all of your right, title, and interest in such land and upon any production of minerals therefrom to secure the payment of the Government's royalty on production.

Accordingly, if this demand for payment of the delinquent royalty is not satisfied within 30 days, legal proceedings under the terms of this lien may be involved in whatever action the Comptroller General of the United States may initiate. Prompt payment by either Mr. Walsh, you, or your co-signer, Mr. Bolis, will alleviate the need of further proceedings and probable further costs to all parties concerned.

RECEIVED FROM SOLICITOR
DEC 1960
ASSOC. SOLICITOR
MINERAL RESOURCES

DEC 13 1960
FOR SIGNATURE

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

Enclosure

Copy to: Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region III (2)

EDTalbert/ama
December 8, 1960

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/8	Talbert	800
	[illegible]	500
12/8	Selfridge	120
	[illegible]	140
12/14	Johnson	180
12/14	gad	220

DEC 14 1960

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Louis E. Bolis
Golden, Colorado

Re: [illegible]A-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-8915

Dear Mr. Bolis:

Enclosed is a copy of my letter of this date to Joseph W. Walsh demanding payment within 30 days of delinquent royalty in the amount of $265.65 due the Government under the provisions of the referenced contract.

In consideration of the contract and as an inducement to the Government to enter into it, a Consent to Lien and a Subordination Agreement were executed by you on November 29, 1955. Under the provisions of these documents, you subordinated your rights in or against the land under the contract and granted to the Government a lien upon all of your right, title, and interest in such land and upon any production of minerals therefrom to secure the payment of the Government's royalty on production.

Accordingly, if this demand for payment of the delinquent royalty is not satisfied within 30 days, legal proceedings under the terms of this lien may be involved in whatever action the Comptroller General of the United States may initiate. Prompt payment by either Mr. Walsh, you, or your co-signer, Mr. Dahlberg, will alleviate the need of further proceedings and probable further costs to all parties concerned.

FROM SOLICITOR
DEC 1 [illegible]
FOR SIGNATURE

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

RECEIVED
[illegible] 1960
ASSOC. SOLICITOR
MINERAL RESOURCES

Enclosure

EDTalbert/ama
December 8, 1960

Copy to: Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region III (2)

43683

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

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 7 1960

DATE	INITIALS	CODE
12-7	gad	VVO
12/7	[illegible]	800
12/9	Murphy	500
		220

December 5, 1960

Memorandum

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

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

Subject: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh - Mena Mines
(320 acres of Sec. 26, T 2 S., R 71 W.)
Jefferson County, Colorado

A review of the file on this project indicates that the Operator paid no more attention to the Acting Director's letter of October 4, 1960 than he did to any of my letters. This Operator thinks we are bluffing and I hope that the pressure will be put on him.

I talked to James Woodnanse, the A.E.C. engineer, in whose bailiwick the subject property is located, he informed me that the property is now being operated on a small scale but that no shipments have been made since liquidation No. 3, of which we have a record. Mr. Woodnanse states that the most we can hope for from this property, would be about 50 tons of ore every two months which would assay about 0.25 percent U_3O_8.

Hugh M. Connors

Hugh M. Connors

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 3 1960

DATE		CODE
11/3	210	Cal
11/9		800
	~~Marcy by~~	~~508~~
		220

November 1, 1960

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

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

Subject: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh - Mena Mines
(320 acres of Sec. 26, T 2 S., R 71 W.)
Jefferson County, Colorado

Attached is the original Report of Royalty Review on the subject property dated October 26, 1960 covering the period October 7, 1958, through October 5, 1960.

Original signed by

IM

For
Hugh M. Connors

Attachments
IM
cc Chief, Division of Field Operations (2)
Royalty Corres. E915
Chron

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
RECEIVED NOV 3 1960

DATE		CODE
11/3	cae	210
	~~e Murphy~~	500
		220

November 1, 1960

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh - Mena Mines
(320 acres of Sec. 26, T 2 S., R 71 W.)
Jefferson County, Colorado

Dear Mr. Walsh:

Enclosed is a copy of the Report of Royalty Review on the captioned property dated October 26, 1960, which shows that the balance of Royalty due the Government is $265.65. Will you please forward this office your check for $265.65 to bring the Royalty account into balance.

Yours very truly,

Original signed by

IM

For
Hugh M. Connors
Acting Field Officer
OME, Region III

Enclosure
IM
cc: E. D. Talbert, Acting Chief
Contract Administration and Audit Division
Chief, Division of Field Operations (2)
Royalty Corres E915
Chron

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/3	Fisher	800
	Murphy	500
	Johnson	500
10/4	Selfridge	120
		110
10-4	gad	220
		225

OCT 4 1960

CERTIFIED MAIL

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: DMEA-3919 (Uranium)
Joseph W. Walsh
Mena Mine
Jefferson County, Colorado
Contract Idm-8915

Dear Mr. Walsh:

Reply has not been received to our letter to you dated June 13, 1960, wherein demand was made for the payment of royalty due to the Government in the amount of $173.31 on Shippers Lot No. 1 received by the Cotter Corporation during the period July 3 to 8, 1959, and the AEC initial production bonus applicable to that sale.

Further investigation has disclosed that the Government is also due royalty in connection with a sale of uranium ore to Susquehanna-Western, Inc., covered by their settlement statement No. 606, dated February 23, 1960. The proceeds from this sale, after deduction of treatment charges, amounted to $814.02 plus $1,032.78 production bonus paid by the AEC in April 1960, or a total of $1,846.80. Royalty is due to the Government on this sale in the amount of $92.34 making the total known royalty now due and unpaid $265.65.

Your early remittance of the latter amount or a partial payment on account coupled with the submission of a plan for the orderly liquidation of this past due account is requested.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

CEFisher/ama
October 3, 1960

Copy to: Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region III (2)

43683

ME Form 7
10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/3	gad	220
10/4	Murphy	500
		2-7-5

OCT 3 1960

Memorandum

To: Acting Field Officer, Region III

From: E. D. Talbert, Acting Chief /s/ C. E. Fisher for
Contract Administration and Audit Division

Subject: DMEA-3919 (Uranium)
Joseph W. Walsh
Mena Mine
Jefferson County, Colorado
Contract Idm-E915

This Division is in the process of preparing a Report of Royalty Review for the subject contract based on records in the Washington office.

Please furnish an original and one copy of the Check Sheet of Examining Engineer relating to this contract.

CEFisher/ama
October 3, 1960

Copy to: Docket
Director's Reading File
CA & A Division

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 23 1960

DATE	INITIALS	CODE
9-23	gad	VVO
9/23	[illegible]	800
	Murphy	500
		225

September 21, 1960

Memorandum

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

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

Subject: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh - Mena Mines
(320 acres in Sec. 26, T 2 S., R 71 W.)
Jefferson County, Colorado

Attached are the original and one copy of a letter from R. H. Toole, A.E.C., stating that the bonus payment has been made on liquidation No. 606.

Our corrected records now show that the Operator owes the Government $265.65 in past due royalties as follows:

Liq. No.	Net Proceeds	Dry Tons	Value Per Ton	Royalty Due	Bonus Payment	Bonus Royalty Due
1	$2,090.74	70.172	$ 29.79	$104.54	$1375.36	$ 68.77
606	814.02	54.644	14.90	40.70	1032.78	51.64
				$145.24		$120.41

Hugh M. Connors

Hugh M. Connors

Attachments

UNITED STATES
ATOMIC ENERGY COMMISSION
GRAND JUNCTION OPERATIONS OFFICE
GRAND JUNCTION, COLORADO

September 20, 1960

IN REPLY REFER TO: PLD:RHT

OME
DEPARTMENT OF THE INTERIOR
SEP 21 1960
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 23 1960

DATE	INITIALS	CODE

Hugh M. Connors
Acting Field Officer
OME, Region III
United States Dept. of the Interior
Building 20 - Federal Center
Denver 25, Colorado

RE: DMEA-3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Connors:

Liquidation No. 606, Susquehanna Western Inc. mill in Riverton, Wyoming, has received bonus payment in the amount of $1,032.78, paid in April, 1960, to Joseph W. Walsh.

Very truly yours,

R. H. Toole

R. H. Toole, Chief
Leasing & Development Branch
Production Evaluation Division

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

OFFICIAL FILE COPY
O. M. E.
RECEIVED SEP 8 1960

DATE	INITIALS	CODE
9-8	gad	VVO
9/8	[illegible]	800
	Murphy	~~500~~
		225

September 6, 1960

Memorandum

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

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

Subject: Docket No. DMEA-3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

This has further reference to your memorandum of August 30, 1960 on the subject project.

No AEC production bonus will be due on liquidation No. 3 shipped to the Cotter Corporation because this shipment was received by them after March 31, 1960, which date ended all bonus payments.

Attached are two copies of the letter to R. H. Toole requesting information on liquidation No. 606 which probably was eligible for bonus. When we receive a reply from Mr. Toole you will be advised.

Hugh M. Connors

Hugh M. Connors

Attachments

Official

~~EXTRA~~ COPY

D. M. E

RECEIVED SEP 8 1960

DATE	INIT.	ROUTE

Building 20 - Federal Center
Denver 25, Colorado

September 6, 1960

R. H. Toole, Chief
Leasing & Development Branch
Production & Evaluation Division
U. S. Atomic Energy Commission
Grand Junction Operator's Office
Grand Junction, Colorado

Re: [redacted]-2919 (Uranium)
Contract [redacted]-2915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Toole:

Liquidation No. 606 from the captioned property was purchased by the Susquehanna Western Inc. mill at Riverton, Wyoming on February 23, 1960.

Will you please advise if the bonus on this shipment has been paid to the Operator and if so what was the amount of bonus.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer
OME, Region III

HMC/lm
cc: Chief, Division of Field Operations (2)
Suspense
Contract E915 Royalty Corres
Chron

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/30	Fisher	800
"	Murphy	500
	Wolfenfeld	500
8/30	GCS	130
"	Johnson	110
8/30	gad	220
		225

AUG 30 1960

Memorandum

To: Acting Field Officer, Region III

From: Chief, Division of Field Operations

Subject: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-8915

The amount of $214.01 stated in your memoranda dated August 17 and 22, 1960, as being past due from the subject Operator does not include royalty applicable to any AEC production bonus on sales covered by Susquenhanna Western liquidation No. 606 or Cotter Corporation liquidation No. 3.

The records of the Washington office indicate that $15,009.90, being the production bonus applicable to 4,434.24 pounds of U_3O_8, has been included in the computation of royalty due. Thus, it would appear that the 295.08 pounds and 310.16 pounds of U_3O_8 sold under the above liquidations may also be subject to the production bonus applicable to the first 10,000 pounds of production from the mine.

Your advice in this matter will be appreciated.

/s/ George C. Selfridge (HB)

CEFisher/ama
August 30, 1960

Copy to: Docket
Director's Reading File
CA & A Division
Review Committee

43683

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

OFFICIAL FILE COPY O. M. E. RECEIVED AUG 24 1960		
DATE	INITIALS	CODE
8-24	gad	220
"	EEF	800
~~8-25~~	~~Murphy~~	~~500~~
		225

August 22, 1960

Memorandum

To: Chief, Division of Field Operations

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

Subject: DMEA-3919 (Uranium)
Contract Idm E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

This responds to the last paragraph of your memorandum dated August 17, 1960.

Attached is a copy of the reply to Mr. Townsend's letter to Cotter Corporation dated March 24, 1960. You will note that the 58.29 tons was not of ore grade. Attached also is a copy of Liquidation No. 2 for the .77 tons of ore mentioned in Mr. Townsend's letter. You will note that this shipment also did not pay.

The only shipment that did pay of the three shipments mentioned in Mr. Townsend's letter was Liquidation No. 1 which contained 70.17 tons of ore, the net proceeds of which amounted to $2,090.74. A copy of this settlement sheet will be forwarded you when we receive the amount of royalty due.

According to our records the Operator now owes the Government $214.01 in past due royalties as stated in our memorandum to you dated August 17, 1960.

Hugh M. Connors

Hugh M. Connors

Attachments

COTTER CORPORATION
FIRST NATIONAL BANK BUILDING
CANON CITY, COLORADO
P O BOX 751

March 30, 1960

CRestwood 5-3367-68

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 24 1960
DATE | INITIALS | CODE
OME
DEPARTMENT OF THE INTERIOR
MAR 31 1960
REGION III
DENVER, COLORADO

U. S. Department of the Interior
Office of Minerals Exploration
Building 20, Federal Center
Denver 25, Colorado

Attention: Mr. J. W. Townsend
Executive Officer, OME
Field Team, Region III

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh - Mena Mines
(320 acres in Sec. 26, T 2 S, R 71 W)
Jefferson County, Colorado

Dear Mr. Townsend:

In accordance with your request of March 24, 1960, we are enclosing settlement sheets for two shipments of ore from the above-referenced property. The third shipment, 58.29 tons was no pay ore, therefore there was no settlement sheet for this shipment.

Very truly yours,

COTTER CORPORATION

W. K. Carhartt
Office Manager

WKC:mwc

cc: corr.
num.

Cotter Corporation, N.S.L.

P. O. Box 751

Canon City, Colorado

LIQUIDATION NO. 2 SHIPPERS LOT NO. 3 DATE LIQUIDATED Dec. 1959 Liquidation

SHIPPERS A.E.C. LICENSE NO. P-2986 A.E.C. CONTRACT NO. AT(05-1)783

SHIPPER Joe Walsh

ADDRESS 4925 Montview Blvd. Denver 7, Colorado

TYPE OF ORE Concentrated ore

MINING PROPERTY Mene #1 MINING DISTRICT Ralston Creek

COUNTY Jefferson STATE Colorado

CRUSHED AND DELIVERED TO COTTER CORP. MILL

COTTER STOCKPILE NO.

Lot No.	Wet Weight Pounds	% H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8		CONTENTS POUNDS U_3O_8	
3	1,543.5		1,543.5	4.943		76.30	

Tons .77175

Item	Pounds	Value/Lb.	Value $
U_3O_8	76.30	3.50	$ 267.05
Development	76.30	.50	38.15
Excess 4/lb. Ton	73.21	.75	54.91
Excess 10/lb ton	68.58	.25	17.15

.77175 tons @ 488.80 = $ 377.26

To Earl G. Sweeney for concentrating ore - 481.37

($ 104.11) loss

Dist:
Shipper - Orig. & 1
Liq. file 1
GEH 1
Voucher 1
Master 1
Num. 1
Santa Fe - 2

OME
DEPARTMENT OF THE INTERIOR
MAR 31 195
REGION III
DENVER, COLORADO

I certify that I am the lawful owner or authorized Representative of the Lawful Owner of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Cotter Corporation, buyer authorized by the United States Atomic Energy Commission.

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

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

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

Sign and Return Original Liquidation to Cotter Corp., N.S.L.

Seller or Agent

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

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

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

DATE	INITIALS	
8-22	gad	900
8/22	[illegible]	800
"	[illegible]	500

August 17, 1960

Memorandum

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

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

Subject: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh - Mena Mines
(320 acres in Sec. 26, T 2 S, R 71 W)
Jefferson County, Colorado

This has further reference to our memorandum dated August 12, 1960 on the subject contract. Attached are two copies of the settlement sheets mentioned in our previous memorandum. The Cotter Corporation withheld and paid OME the royalty on liquidation No. 3, however, the royalty on liquidation No. 606 for ore sold to Susquenhanna Western Inc. at Riverton, Wyoming has not been paid.

According to our records the Operator now owes the Government $214.01 in past due royalties as follows:

Liq. No.	Net Proceeds	Dry Tons	Value Per Ton	Royalty Due	Bonus Payment	Bonus Royalty Due
1	$2,090.74	70.172	$ 29.79	$104.54	$1375.36	$ 68.77
606	814.02	54.644	14.90	40.70		
				$145.24		$ 68.77

Hugh M. Connors
Hugh M. Connors

Attachments

[illegible] MINERALS INC.
RIVERTON, WYOMING

SETTLEMENT STATEMENT

Riverton
February 23, 1960

DATE RECEIVED 2/9/60 | LOT NO. 1302-3 | CONTRACT NO. P-2936 | EXPORT NO.

RECEIVED FROM Joseph P. Walsh | TOWN Fox Lane | STATE Colo.

SHIPPER'S ADDRESS 4925 Montview Blvd., Denver 7, Colorado | TOWN Thorn. | COUNTY Jefferson

PROCESS

PAYMENT 100 % | CHECK TO BE Held 2/9/60

LOT NO.	WET WEIGHT (LBS)		DRY WEIGHT (LBS)	PRICE PER LB.		CONTENT LBS	CASH	
1302-3	113.760	9.93	109.259	0.27		295.00		
TOTAL	56.070		54.644					

OME
DEPARTMENT OF THE INTERIOR
AUG 16 1960
REGION III
DENVER, COLORADO

ITEM		PRICE		AMOUNT
BASE PRICE		295.00	3.50	1,032.78
PREMIUM [illegible]	54.644	X 1.40	.75	57.33
[illegible]			.25	
TOTAL U.S. PAYMENT				1,090.16
PENALTY				
TOTAL FOR CPE				1,090.16
DEVELOPMENT ALLOWANCE		295.00	.50	147.54
HAULAGE ALLOWANCE	56.070		.04	341.34
TOTAL ALLOWANCES				488.88
TOTAL GROSS SETTLEMENT				1,579.04
DEDUCTIONS AND OR ADJUSTMENTS NON MOTALS Treatment Charges $14.00 Per Net Dry Ton				- 765.02
NET SETTLEMENT				$ 814.02

DISTRIBUTION

%	PAYEE	AMOUNT	CHK. NO.
100	Joseph V. Walsh	$814.02	5
			2/23

NOTE
Buyer's assays govern if seller fails to submit his assays prior to acceptance of settlement payment.
All rates paid are based on U. S. Atomic Energy Commission published schedules.

APPROVED

340 15 9-58 3.5M

Cotter Corporation, N.S.L.

P. O. Box 751

Canon City, Colorado

968

Date received: 4/18-22/60

Date typed: 6/13/60

LIQUIDATION NO. 3 SHIPPERS LOT NO. 34 DATE LIQUIDATED 5/31/60

SHIPPERS A.E.C. LICENSE NO. P-2986 A.E.C. CONTRACT NO. AT(05-1)783

SHIPPER Joseph W. Walsh

ADDRESS 4925 Montview Blvd., Denver 7, Colorado

TYPE OF ORE Primary

MINING PROPERTY Mana Mine MINING DISTRICT Ralston Creek

COUNTY Jefferson STATE Colorado

Miles to Mill: 141

CRUSHED AND DELIVERED TO COTTER CORP. MILL

COTTER STOCKPILE NO.

Lot No.	Wet Weight Pounds	% H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8		CONTENTS POUNDS U_3O_8	
34	110,580	2.23	108,116	.326		352.46	
(Lot 3 was concentrate lot delivered 12/29/59)						x 88%	
Tons	55.2900		54.058			310.16 pounds	

Settlement per contract:
310.16 pounds @ $ 7.10 lb. = $ 2,202.14
Less custom milling charge:
54.058 tons @ $ 12.77 ton = $ 690.14
54.058 tons @ $ 27.970 ton = Total $ 1,512.00

Haulage:
100 Miles - $ 6.00/ 55.290/ton = Gross proceeds $ 331.74 / $ 1,843.74

Deductions:
Royalty 5% of $ 1,843.74 = $ 92.19
To: DMEA

Less cash advance, Cr. 1012-J. Walsh-Mana Mine $ 850.00

Total deductions $ 942.19

Net proceeds $ 901.55

Dist. of Copies:
3 - Shipper
1 - AEC
4 - Liq. file
1 - Vantor Liq. file
1 - C. E. H.
2 - Santa Fe
1 - Numerical
1 - Voucher
3 - Royalty - DMEA

OME
DEPARTMENT OF THE INTERIOR
AUG 16 1960

I certify that I am the lawful owner or authorized Representative of the Lawful Owner of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Cotter Corporation, buyer authorized by the United States Atomic Energy Commission.

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

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

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

Sign and Return Original Liquidation to Cotter Corp., N.S.L.

Seller or Agent

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules.

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/16	Fisher	800
8/16	Talbot	800
	Murphy	500
	[illegible]	500
		~~130~~
9/12	[illegible]	110
		~~[illegible]~~
8/16	gab	220
		225

AUG 17 1960

Memorandum

To: Acting Field Officer, Region III

From: ACTING Chief, Division of Field Operations

Subject: DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract Idm-E915

Thanks for your memorandum dated August 12, 1960, calling attention to the royalty status of this contract and enclosing copies of your letters of that date to the Cotter Corporation and Susquenhanna Western, Inc.

As there is evidence that additional royalty to that referred to in the Acting Director's letter to the Operator dated June 13, 1960, may be due we will defer a tracer letter to Mr. Walsh pending receipt of the settlement sheets which you have requested.

It is noted that your letter to the Cotter Corporation inquires regarding 54.06 dry tons shipped in April 1960. Check No. 1643, amount $92.19, forwarded with Abstract of Remittances No. 6-5 dated June 20, 1960, pertains to royalty on 54.058 dry tons received at that Company's plant in April 1960 which may be the same shipment referred to in your letter.

A further review of our file discloses that Mr. Townsend's letter dated March 24, 1960, to Cotter Corporation requested copies of settlement sheets for three shipments during the third and fourth quarters of 1959, whereas, subsequent demands for payment of royalty related to only one of the shipments. Your advice will be appreciated.

/s/
W. R. Griswold

(2/B)

CEFisher/ama
August 16, 1960

Copy to: Docket
Director's Reading File
CA & A Division
Review Committee

43683

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

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 15 1960

DATE	INITIALS	CODE
8-15	gad	VVO
8/15	kw	800
	L. Murphy	500
		2.7.5

August 12, 1960

Memorandum

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

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

Subject: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh - Mena Mines
(320 acres in Sec. 26, T 2 S, R 71 W)
Jefferson County, Colorado

We have received no advice from you or the subject Operator regarding the Acting Director's letter to the Operator dated June 13, 1960.

The AEC records show that Mr. Walsh continues to ship ore from the subordinated land and the Government is not receiving royalty.

Attached are copies of letters to the Cotter Corporation and Susquenhanna Western Inc. requesting copies of settlement sheets. As soon as these settlement sheets are received, copies of each will be forwarded you.

Hugh M. Connors

Hugh M. Connors

Attachments

Official

~~EXTRA~~ COPY
O. M. E.
RECEIVED AUG 15 1960

DATE	INITIALS	CODE

Building 20 - Federal Center
Denver 25, Colorado

August 12, 1960

Mr. W. K. Carhartt, Office Manager
Cotter Corporation
First National Bank Building
P. O. Box 751
Canyon City, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh - Mena Mines
(320 acres in Sec. 26, T 2 S, R 71 W)
Jefferson County, Colorado

Dear Mr. Carhartt:

The records show that you received 54.06 dry tons of ore containing 216.24 pounds of U_3O_8 from the captioned property in April 1960.

Will you please forward this office two copies of the settlement sheet for that shipment of ore.

This property is subordinated to the Government by virtue of a DMEA loan and royalty is due the Government on all production of ore from the property.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer
OME, Region III

HMC/lm
cc: Chief, Division of Field Operations (2)
Royalty Corres. E915
Suspense
Chron

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 15 1960

DATE	INITIALS	CODE

August 12, 1960

Susquehanna Western Inc.
777 Grant Street
Denver, Colorado

Attention: T. J. Vogenthaler

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh - Mesa Mines
(320 acres in Sec. 26, T 2 S, R 71 W)
Jefferson County, Colorado

Dear Mr. Vogenthaler:

The records show that 54.64 dry tons of ore containing 295.08 pounds U_3O_8 were received at your mill in Riverton, Wyoming from the captioned property during February 1960.

Will you please forward this office two copies of the settlement sheet for the above mentioned liquidation.

This property is subordinated to the Government by virtue of a DMEA loan and royalty is due the Government on all production.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer
OME, Region III

HMC/lm
cc: Chief, Division of Field Operations (2)
Royalty Corres. E915
Suspense
Chron

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/10	[illegible]	800
6/10	[illegible]	800
6/13	[illegible]	500
"	[illegible]	500
6/13	[illegible]	120
6/13	gad	220
		225

JUN 13 1960

CERTIFIED - RETURN RECEIPT

Mr. Joseph W. Walsh
Mena Mines
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Contract No. Idm-8915

Dear Mr. Walsh:

The Acting Field Officer, OME, Region III, Denver, Colorado, has referred the matter of collection of past due royalty under provisions of the subject contract to this office for necessary attention inasmuch as reply has not been received to his letters to you dated April 4, 1960, and May 4, 1960.

The royalty due amounts to $104.54 applicable to Shippers Lot No. 1 received by Cotter Corporation during the period July 3 to 8, 1959, on which the net proceeds amounted to $2,090.74 as shown by Liquidation No. 1, dated July 17, 1959. In addition, royalty amounting to $68.77 is due if the initial production bonus applicable to this sale has been received from the AEC.

This office is charged with the responsibility of collecting any royalty due to the Government under terms of DMEA contracts. Demand is therefore made for the prompt payment of the amount of $104.54, plus $68.77, or a total of $173.31, if the bonus has been received.

Your early attention to this matter is requested.

Sincerely yours,

George C. Semrage

Acting Director

CEFisher/ama
June 10, 1960

Copy to: Docket
Director's Reading File
CA & A Division
Acting Field Officer, Region III (2)

43683

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

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUN 9 1960

DATE	INITIALS	CODE
6-9	gad	VVO
6-9	[illegible]	800
		500

June 6, 1960

Memorandum

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

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

Subject: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(320 acres in Sec. 26, T 2 S, R 71 W)
Jefferson County, Colorado

The operator has failed to reply to our letters of April 4 and May 4, 1960 in which we requested past due Royalty of $104.54 and Bonus Royalty of $68.77.

Enclosed is a copy of the settlement sheet for Liquidation No. 1 on which our request for Royalty is based.

Will you please take such action as you deem advisable to protect the Government's interest.

Hugh M. Connors

Hugh M. Connors

Enclosure

COTTER CORPORATION

P. O. Box 751
Canon City, Colorado

RECEIVED AUG 3 - '59

RECEIVED AUG 1 1959

LIQUIDATION NO. 1 SHIPPERS LOT NO. 1 DATE RECEIVED July 3-8, 1959

A.E.C. LICENSE NO. P-2986 A.E.C. CONTRACT NO. AT(05-1)-735

SHIPPER J. W. Walsh

ADDRESS 4925 Montview Blvd., Denver 7, Colorado

TYPE OF ORE Primary pitchblende

MINING PROPERTY Mena #1 MINING DISTRICT Ralston Creek

COUNTY Jefferson STATE Colorado

CRUSHED AND DELIVERED TO:

MILL Canon City, Colorado ☐

COTTER STOCKPILE NO.

Lot No.	Wet Weight Pounds	% H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS		CONTENTS POUNDS	
				U_3O_8	THO_2	U_3O_8	THO_2
1	144,900	3.14	140,344	.280		392.96	
Tons	72.450		70.172				

Item	Pounds	Value/lb.	Value $
U_3O_8	392.96	$ 3.50	$ 1,375.36
Development	392.96	.50	196.48
Excess 4/lb ton	112.27	.75	84.20
70.172 tons @ $ 23.60 =			$ 1,656.04
Haulage 100 miles @ .06/72.450 wet tons =			434.70
Net Proceeds			$ 2,090.74

Dist:
J.W.Walsh - orig. & 1
Liq. file - 1
Master file - 1
SF 1
GEH 1

OME
DEPARTMENT OF THE INTERIOR
MAR 31 1960
REGION III
DENVER, COLORADO

Correct: Checked: Approved Date: 7/17/59 Voucher No. Check No.

I certify that I am the lawful owner or authorized Representative of the Lawful Owner of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Cotter Corporation, buyer authorized by the United States Atomic Energy Commission.

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

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

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

Joseph W. Walsh
Seller or Agent

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

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

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 6 1960

DATE	INITIALS	CODE
5-6	gad	NVO
5/9	[illegible]	800
	[illegible]	[illegible]
		NVS

May 4, 1960

Mr. Joseph W. Walsh
Mena Mines
4925 Montview Boulevard
Denver 7, Colorado

Dear Mr. Walsh:

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(320 acres in Sec. 26,
T 2 S, R 71 W)
Jefferson County, Colorado

We have had no reply to our letter to you dated April 4, 1960, in which we requested the payment of past due royalty.

If we do not receive the amount of royalty due the Government before June 3, 1960, we will have no recourse but to turn the matter over to the Washington office for such action as they deem necessary to protect the Government's interest.

Very truly yours,

Original signed by

Hugh M. Conners
Acting Field Officer
OME, Region III

cc: Chief, Division of Field Operations (2)
Royalty Correspondence E915

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 6 1960

DATE	INITIALS	CODE
4-6	gad	VVO
4/6	[illegible]	800
4/8	[illegible]	500

Building 20 - Federal Center
Denver 25, Colorado

April 4, 1960

Mr. Joseph W. Walsh
Mena Mines
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMMA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(320 acres in Sec. 26, T 2 S, R 71 W)
Jefferson County, Colorado

Dear Mr. Walsh:

This has further reference to our letter to you dated March 24, 1960. Cotter Corporation has supplied settlement sheets, which show that you owe royalty only on Liquidation No. 1 which is computed as follows:

Net Proceeds	Dry Tons	Value Per Ton	Royalty Due	Bonus Payment	Bonus Royalty Due
$2,090.74	70.172	$29.79	$104.54	$1375.36	$68.77

Will you please forward this office your check by return mail in the amount of $104.54 and your check for $68.77 as soon as your bonus payment is received.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, CMR
Field Team, Region III

HMC/bjo

cc: Chmn. Op. Comm. (2)
Royalty corres. E915
Suspense
Chron.

OFFICIAL FILE COPY O. M. E. RECEIVED MAR 28 1960		
DATE	INITIALS	CODE
3-28	gad	VVO
3/28	dw	800
"	Murphy	500
		225

Building 20 - Federal Center
Denver 25, Colorado

March 24, 1960

Mr. W. K. Carhartt
Office Manager, Cotter Corporation
First National Bank Building
Canyon City, Colorado

Re: Docket No. DMRA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(320 acres in Sec. 26, T 2 S, R 71 W)
Jefferson County, Colorado

Dear Mr. Carhartt:

It is noted that three shipments of ore were received by Cotter Corporation during the third and fourth quarters of 1959 from the captioned property. These shipments were as follows:

Tons	Pounds U3O8
70.17	392.96
58.29	326.42
.77	76.30

Will you please forward this office two copies of each settlement sheet for the above-mentioned liquidations.

This property is subordinated to the Government by virtue of a DMRA loan and royalty is due the Government on all production.

Very truly yours,

J. W. Townsend
Executive Officer, OME
Field Team, Region III

HMC/bjo

cc: Chem. Op. Comm. (2)
Royalty Corres. E915
Suspense
Chron
Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colo.

Official

~~EXTRA~~ COPY
O. M. E.
RECEIVED MAR 28 1960

DATE	INITIALS	CODE
3/28	gad	VVO
		800
~~3/29~~	~~Tmm~~	~~500~~

Building 20 - Federal Center
Denver 25, Colorado

March 24, 1960

Mr. Joseph W. Walsh
Mesa Mines
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(320 acres in Sec. 26, T 2 S, R 71 W)
Jefferson County, Colorado

Dear Mr. Walsh:

The captioned contract is in your name, and it is noted that shipments of ore have been made from the property in the name of Mesa Mines. In accordance with the contract, will you please forward this office two copies of the legal document giving Mesa Mines the right to mine and remove ore from the subordinated land. Also, please notify all purchasers of ore from the property that royalty is due the Government on all production.

Enclosed is a copy of a letter to Cotter Corporation requesting settlement sheets and when they are received by this office, we will compute the amount of royalty due and advise you.

Very truly yours,

J. W. Townsend
Executive Officer, OME
Field Team, Region III

Enclosure

HMC/bjo

cc: Chmn. Op. Comm. (2)
Royalty Corres. E915
Suspense
Chron

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 1 1960

DATE	INITIALS	CODE
2-1	gad	VVO
2/1	[illegible]	800
~~2-1~~	Murphy	500
		225

Building 20 - Federal Center
Denver 25, Colorado
January 27, 1960

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. ~~[illegible] 3919~~ (Uranium)
Contract ~~[illegible]~~ E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

The bonus payment on Liquidation No. 4592 amounted to $124.91. The bonus royalty due the Government is $6.25. Will you please forward your check for $6.25 to this office to bring the account into balance.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, GMK
Field Team, Region XII

HMC:ltm

cc: Chmn. Op. Comm. (2)
Roy. Corres. E915
Chron.

MENA MINES

JOSEPH W. WALSH
OPERATOR

OME
DEPARTMENT OF THE INTERIOR
NOV 20 1959
REGION III
DENVER, COLORADO

OFFICE
4888 MONTVIEW BLVD
DENVER 6, COLORADO
FLORIDA 5-6712

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 27 1959

DATE	INITIALS	CODE
11-27	gad	220
11/30	EW	800
	Murphy	~~500~~
		225

November 18, 1959

Executive Officer, OME
Field Team, Region III
Building 20 - Federal Center
Denver 25, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract Lim-E918
Joseph W. Walsh
(Eaffmeister Prospect)
Jefferson County, Colorado.

Dear Sir:

The stockpiled ore you refer to in your letter of November 17, 1959 is still stockpiled on the above property.

The following companies have tested this ore and found it not amenable to their milling process and have refused to purchase any of this ore. The companies are: Union Carbide Nuclear, Rifle, Colo., Climax Uranium Co., Grand Junction, Colo., Vitro Minerals Co., Salt Lake City, Utah, Mines Development Co., Edgemont, Colorado, Fremont Minerals Inc., Riverton, Wyoming, Texas-Zinc Minerals, Mexican Hat, Utah, Kermac Nuclear Fuels Corp., Grants, New Mexico and Gunnison Mining and Milling Co., Gunnison, Colorado. As you may realize from this I've tried them all.

Our ore is amenable at the Cotter Corp, Canon City, Colo. mill and we will have a small allotment of 7200 lbs. of U_3O_8 to this mill per year when they start operating their larger mill next spring. Just a few weeks ago, on October 28, 1959, I was advised by members of the AEC Ore Procurement Division at Grand Junction, Colorado that if the new and larger mill contract is signed between the Cotter Corporation and the AEC it will become effective on March 1, 1960 and at that time we will be able to commence shipments to that mill under our allotment. They added that as of that date they didn't see any reason that the new contract wouldn't be signed.

I asked them what I was supposed to do for an ore market from that date until March 1, 1960. I was told that they (AEC) could not furnish any market for us until the new Cotter Corp. contract became effective and operative which they thought would be March 1, 1960.

I'm certainly interested in selling this ore - maybe you can offer some suggestions where I might dispose of it. Will advise you when I do make shipments but as of this date it doesn't look very hopeful until next spring.

Very truly yours,

Joseph W. Walsh

rman (2)
royalty file

OFFICIAL FILE COPY O. M. E. RECEIVED NOV 20 1959		
DATE	INITIALS	CODE
11-20	gad	VVO
11/20	[illegible]	800
"	[illegible]	~~500~~
		225

Building 20 - Federal Center
Denver 25, Colorado
November 17, 1959

CERTIFIED MAIL

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract Eba-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

We have had no reply to our letter to you dated October 12, 1959, in which we requested information as to the disposition of the 300 tons of ore which had been stockpiled.

Will you please advise what disposition has been made of the stockpiled ore, and also if any shipments have been made from the property after Liquidation No. 4592.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, OME
Field Team, Region III

HMC:ltm

cc: Chmn. Op. Comm. (2)
Roy. Corres. E915
Semiannual Rept. file, E915
Chron.

OFFICIAL FILE COPY O. M. E. RECEIVED OCT 14 1959		
DATE	INITIALS	CODE
10/14	RCW	225
10/14	[illegible]	800
10/15	Murphy	500
	J	225

Building 20 - Federal Center
Denver 25, Colorado

October 12, 1959

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract EMu-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

On the last inspection of your property it was noted that a stockpile estimated to contain 300 tons of 0.40 percent U_3O_8 was on the surface because at that time no mill would take the ore.

The last shipment from the property on which we have a record was Liquidation No. 4592, shipped during December 1958.

Will you please advise what disposition has been made of the stockpiled ore and also if any shipments have been made after Liquidation No. 4592.

Very truly yours,

Original signed by

J. W. Townsend
Executive Officer, CMR
Field Team, Region III

EMC:ltm

cc: Chmn. Op. Comm. (2)
Rey. Corres. E915
Semiannual E915
Chron.

MENA MINES

JOSEPH W. WALSH
OPERATOR

OFFICE
4925 MONTVIEW BLVD
DENVER 7, COLORADO
LORDA 5 4712

OFFICIAL FILE COPY
OME
RECEIVED JAN 26 1959
DATE | INITIALS | CODE
1-26 | C | 220
1/22 | Kwood | 700

OME
DEPARTMENT OF THE INTERIOR
JAN 22 1959
REGION III
DENVER, COLORADO

January 21, 1959

Executive Officer
OME Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Sir:

Per your letter January 9, 1959 enclosed find my check in the amount of $3.14 which is the balance of royalty due the Government on Liquidation No. 4592.

I have not received the bonus on this settlement as I just today filed with the Atomic Energy Commission at Grand Junction, Colorado for it. I applied for a total bonus payment of $124.91 on this settlement. As soon as I receive this bonus I will send you the royalty payment on it due the Government.

Very truly yours,

Joseph W. Walsh

Joseph W. Walsh

224 New Customhouse
Denver 2, Colorado

January 9, 1959

ORIGINAL FILE COPY
O. M. E.
RECEIVED JAN 12 1959

DATE	INITIALS	CODE
1/12	C	220
1/12	[illegible]	200

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket DMEA 3919 ~~(Uranium)~~
Contract ~~Tdm-E915~~
Joseph ~~W. Walsh~~
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

We have received a check for $6.47, from Lucius Pitkin, Inc., as DMEA royalty payment on Liquidation No. 4592. This amount is in error since the 5 percent royalty applies to the total gross value, which was $192.27, 5 percent of which is $9.61.

Please forward this office your check for $3.14, which is the balance of royalty due the Government on Liquidation No. 4592. The bonus royalty due the Government is payable as soon as you receive your bonus payment.

Very truly yours,

Original signed by
E. N. HARSHMAN

for J. W. Townsend
Executive Officer
OME Field Team, Region III

HMC:jy

cc: Chm. Op. Comm. (2)
Harshman
Belser
Royalty file E915
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/25/58	Knouse	700
12-2	Chamber	800
12/4	Selfridge	120
		110
		220
12/4	W-g.	220
		700

DEC 4 1958

Mr. Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-1915
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Walsh:

Reference is made to our letter of June 24, 1958, enclosing a certification of discovery covering the subject property.

At the time of our letter the exact amount contributed by the Government under this project was subject to audit. Our auditors have subsequently determined the amount as $13,640.63. This is the amount to be repaid by your company through royalty payments on production. Payments should continue to be made in accordance with the instructions contained in the above-mentioned letter.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

Copies to:
Oscar Dahlberg, Golden, Colorado
Louis E. Boles, Golden, Colorado

FLKnouse/gla
11-25-58
cc to: Director's Reading File
Mr. Frank E. Johnson
F. L. Knouse
Division of Contract & Audit
OME Field Team, Region III (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
		700
12/3	Knouse	700
12-3	Chamber	800
12/4	Selfridge	220
		110
12/4	J. g.	220
		700

DEC 4 1958

Mr. Louis E. Boles

Golden, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Boles:

Reference is made to our letter of June 24, 1958, which relates to a certification of discovery or development for the subject project and the Government's prior lien on the land and production therefrom.

For your additional information there is enclosed a copy of a letter of even date to the operator which sets forth the amount of the Government's contribution to the above exploration project.

Sincerely yours,

(signed) FRANK E. JOHNSON
Acting Director

Enclosure

FLKnouse/bih
Dec. 2, 1958

cc to: Docket
Dir. Reading File
Mr. Johnson
Mr. Knouse
Mr. Chambers
OME Field Team, Reg. III (2)

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
		700
12/3	Knouse	700
12-3	Chambers	800
12/4	Selfridge	120
		110
		220
		700

DEC 4 1958

Mr. Oscar Dahlberg

Golden, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Dahlberg:

Reference is made to our letter of June 24, 1958, which relates to a certification of discovery or development for the subject project and the Government's prior lien on the land and production therefrom.

For your additional information there is enclosed a copy of a letter of even date to the operator which sets forth the amount of the Government's contribution to the above exploration project.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

Enclosure

FLKnouse/bih
Dec. 3, 1958

cc to: Docket
Dir. Reading File
Mr. Johnson
Mr. Knouse
Mr. Chambers
OME Field Team, Reg. III (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/25/58	Krause	700
12-2	Chamberlin	800
12/4	Jeffrey	120
		110
		100
12/4	H. g.	220
		700

DEC 4 1958

Mr. Jesse C. Johnson
Director, Division of Raw Materials
Atomic Energy Commission
1717 H Street, N. W.
Washington 25, D. C.

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Johnson:

With reference to our letter of June 24, 1958, advising you that the subject exploration project had been certified, the data relating to the project, which has now been completed, are as follows:

The contract was dated February 3, 1956, and covered an exploration program estimated to cost $22,604.00, with Government participation at 75 percent, or $16,953.00. Project contract work started February 27, 1956, and was completed June 27, 1958. Four hundred and twenty-four feet of drifting and four diamond core holes, aggregating 501 feet, were completed in the exploration of a uranium-bearing breccia. The net cost of the drifting and drilling and related cost thereto was $18,187.51, and the Government's participation was 75 percent, or $13,640.63.

The exploration work was confined to the NE¼ of sec. 26, T. 2 S., R. 71 W., 6th Principal Meridian and Base, Jefferson County, Colorado.

As a result of the exploration work, there were discovered the following ore reserves:

Ore Reserves
(NE¼ sec. 26, T. 2 S., R. 71 W.)

Tons	Percent U_3O_8	
634.672	0.59	Mined and shipped
150	0.5	

8623

A certification of discovery or development was issued June 23, 1958, a copy of which was forwarded to you on June 24, 1958.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

Copy to:
Elton A. Youngberg
AEC Grand Junction Operations Office

FLKnouse/gla
11-25-58
cc to: Director's Reading File
Mr. F. E. Johnson
F. L. Knouse
OME Field Team, Region III (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~DEFENSE MINERALS EXPLORATION ADMINISTRATION~~
OFFICE OF MINERALS EXPLORATION
224 New Customhouse
Denver 2, Colorado
November 18, 1958

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 24 1958

DATE	INITIALS	CODE
11/24	C	220
11/24	[illegible]	700

Memorandum

To: Chairman, Operating Committee, OME

From: OME Field Team, Region III

Subject: Docket No. DMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh, (Hoffmeister Prospect) Jefferson County, Colorado - FINAL SUMMARY REPORT

The original and two copies of the Joint Final Engineering and Geologic Report by the OME field examiners were forwarded by memorandum of October 22, 1958, and the original and one copy of the Operator's final report were forwarded by memorandum of October 28, 1958.

The contract was considered completed on completion of the approved work under Stage II, and the Operator was so notified by letter of July 23, 1958, from the Administrator, DMEA.

Final payment to the Operator was processed November 18, 1958, in conformance with the Report of Review of the reported project costs, by the Contract Administration and Audit Division, OME, dated November 3, 1958.

Exploration work completed consisted of drifting and diamond drilling, and incidentals, as follows:

Drifting	424	feet
Diamond drilling (4 holes)	501	feet
Supervision	$5\frac{1}{4}$	months
Accounting	2	months
Bulldozing	70 3/4	hours
Radiometric probing	501	feet
Analyses (U_3O_8)	36	samples
Core boxes	40	boxes

FINAL F.T. SUMMARY

The exploration work completed resulted in the discovery or development of a significant quantity of uranium ore, on which a Certification of Discovery or Development was issued June 23, 1958.

By J. W. Townsend

By E. N. Harshman

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. ~~110~~	JEJ	1/5/58
2. ~~800~~		
3. 700 Mr. Kuenne		
4.		
5.		
FROM:		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~DEFENSE MINERALS EXPLORATION ADMINISTRATION~~
OFFICE OF MINERALS EXPLORATION

224 New Customhouse
Denver 2, Colorado

October 22, 1958

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 24 1958

DATE	INITIALS	CODE
10/24	C	220
10/24	esf	130
		110
10/24		
10/28		130
10/28	C	220
		700

Memorandum

To: Chairman, Operating Committee, OME

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

Subject: Docket DMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh (Hoffmeister prospect) Jefferson County, Colorado

Enclosed are the original and two copies of a Joint Final Engineering and Geologic Report by R. U. King, Geologist, Geological Survey and W. W. Winkel, Mining Engineer, Bureau of Mines, pertaining to work completed under the subject contract.

The exploration work completed resulted in a discovery of a significant quantity of uranium ore on which a Certification was issued June 23, 1958.

The Field Team final summary report on the project will be submitted when the Operator's final report is received and final audit of the Operator's account have been effected.

E. N. Harshman

E. N. Harshman

Enclosures

Reviewed by
OME OPERATING COMMITTEE
10-28-58
(date)

FINAL F.T. REPORT

Rmc 10-22-58

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 24 1958

DATE	INITIALS	CODE
10/28	JB	130
		200

OME
DEPARTMENT OF THE INTERIOR
OCT 17 1958
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

OFFICE OF MINERALS EXPLORATION

JOINT FINAL REPORT BY EXAMINING TEAM
REGION III

DMEA 3919

Contract Idm-E 915

Joseph W. Walsh

Hoffmeister prospect

Mena mine

Jefferson County, Colorado

Uranium

Joint Final Engineering and Geologic Report

by

R. U. King, Geologist
Geological Survey

W. W. Winkel, Mining Engineer
Bureau of Mines

Reviewed by
OME OPERATING COMMITTEE
10-28-58
(date)

October 16, 1958

WO

CONTENTS

Page

Summary and introduction..... 1

Location and physical features..... 2

Property..... 3

History and production..... 4

Geology and ore deposits..... 4

Ore reserves..... 7

The project..... 7

Original program and modifications..... 7

Description of work completed..... 11

Summary of accepted project costs..... 13

Summary of factual data..... 14

Conclusions..... 15

ILLUSTRATIONS

Figure		Follows page
1.	Location map, Joseph W. Walsh, Hoffmeister Prospect, Ralston Creek mining district, Jefferson County, Colo. DMEA 3919, Contract Idm-E 915	2
2.	Location of Joseph W. Walsh mineral lease, Ralston Creek mining district, Jefferson County, Colo. DMEA 3919, Contract Idm-E 915	15
3.	Geologic map, Mena Mine showing exploration, Joseph W. Walsh mineral lease, Jefferson County, Colorado	15

DMEA 3919

CONTRACT Idm-E 915

JOSEPH W. WALSH
HOFFMEISTER PROSPECT
MENA MINE
JEFFERSON COUNTY, COLORADO

SUMMARY AND INTRODUCTION

Joseph W. Walsh, 4925 Montview Boulevard, Denver 7, Colorado, applied on August 21, 1955, for Defense Minerals Exploration Administration assistance to explore for uranium on the Hoffmeister Prospect in Jefferson County, Colorado.

The property was examined on October 10, 1955, and following conferences with the applicant, a two-stage program of exploration was agreed upon. A contract, dated February 3, 1956, provided for exploration in two adits, 425 feet of drifting in Stage I and 225 feet of drifting in Stage II. The estimated total cost was $22,604.00, Government participation 75 percent or $16,953.00.

Amendments to the contract (1) extended the completion date to June 30, 1958, (2) increased the maximum period for payment of royalty to 13 years, (3) permitted core drilling in lieu of drifting under Stage II, (4) allowed temporary suspensions of operations, and (5) reduced the estimated costs of the project to $21,508.00, Government participation 75 percent or $16,131.00.

Work under Stage I, started on February 27, 1956, and included 224 feet of drifting in a southerly adit, and ended on September 30, 1956, on completion of 200 feet of drifting in a northerly adit. During a period when work was suspended (October 1956 to April 1958) the operator continued exploration on his own account, which included shafting, drifting, and raising. Work under Stage II began in April 1958 and ended on June 27, 1958, on completion of four core drill holes totaling 501 feet. A certification of discovery or development was issued on June 23, 1958, and the contract was terminated by mutual agreement effective June 27, 1958.

The exploration resulted in the discovery of three small bodies of uranium ore from which 635 tons had been produced as of June 30, 1958. It is estimated that the inferred ore reserves amount to between 100 and 200 tons containing 0.5 percent U_3O_8. Further exploration of this property with Government assistance is not recommended.

LOCATION AND PHYSICAL FEATURES

The Hoffmeister uranium prospect (Mena mine) is in sec. 26, T. 2 S., R. 71 W., Jefferson County, Colorado (fig. 1). The mine workings are on both sides of Ralston Creek at a mean elevation of 6,900 feet. Local relief is about 200 feet. Access from Denver is by Colorado State Highway 72 for 20 miles and thence by private and graded roads for 3 miles to the property, the last one-half mile of which is steep and requires

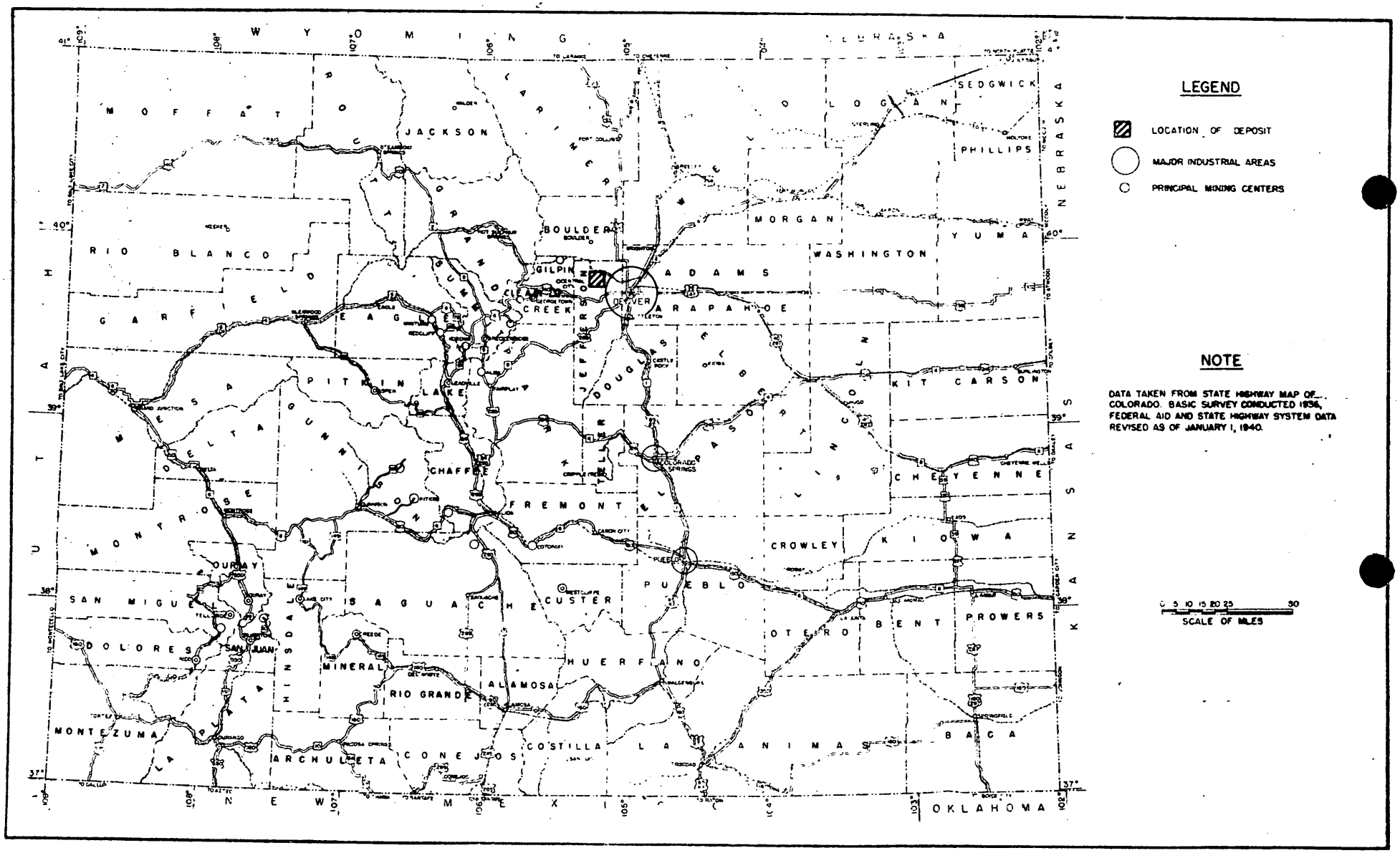


FIGURE 1 - LOCATION MAP, JOSEPH W. WALSH, HOFFMEISTER PROSPECT, RALSTON CREEK MINING DISTRICT, JEFFERSON COUNTY, COLO.
DMEA 3919
CONTRACT. Idm- E915

4-wheel drive equipment. The property is about an hour's drive from Denver, where supplies and labor are obtainable.

The climate of the area is typical of the lower eastern slope of the Rocky Mountains, with dry cool summers and mild winters.

The markets for ore are chiefly at Grand Junction, Colorado, and Salt Lake City, Utah. Ore can be shipped by truck about 8 miles to the Denver and Rio Grande Western Railroad loading docks at Fireclay, near Rocky Flats, and thence by rail to Grand Junction, Salt Lake City or Canon City, Colorado.

Mining timber and lumber are available at local sawmills. All power needs are furnished by gasoline or diesel-driven units. Water for mining and domestic use is obtained from Ralston Creek.

PROPERTY

The property consists of about 320 acres in the NW 1/4, the N half of the NE 1/4, the SW 1/4 of the NE 1/4, and the NW 1/4 of the SE 1/4, sec. 26, T. 2 S., R. 71 W., 6th principal meridian, Jefferson County, Colorado (fig. 2). The surface rights are owned by Oscar Dahlberg and the mineral rights by L. W. Bolis, both of Golden, Colorado. The agreement conveying the mineral rights to Joseph W. Walsh of Denver, Colorado, is recorded in Book 909, pages 341-349, and is considered valid.

HISTORY AND PRODUCTION

Pitchblende was first recognized in the Ralston Creek area in 1949 at an abandoned copper prospect, locally known as the Nigger shaft (Hoffmeister Prospect). The old Hoffmeister Prospect, worked between 1912 and 1914, consists of a 20-foot shaft and a 50-foot adit. During the spring of 1949 Fred Swartzwalder, a local prospector, submitted samples of pitchblende from two base-metal prospects in the Ralston Creek area to the U. S. Atomic Energy Commission. These were from the Hoffmeister Prospect and the Ralston Creek mine. In the spring of 1952 geologists of the Geological Survey discovered pitchblende in the abandoned North Star copper mine in the same district.

Production from the Hoffmeister Prospect subject to DMEA royalty has totaled 635 tons of commercial uranium ore as of June 30, 1958.

GEOLOGY AND ORE DEPOSITS

The rocks in the vicinity of the Hoffmeister prospect consist chiefly of hornblende gneiss, hornblende-biotite schist, granite pegmatite, and aplite, all of Precambrian age. The rocks are cut by persistent northwestward-trending breccia reefs that locally split, giving rise to separate veins and thin breccia zones.

The Hoffmeister Prospect is on a breccia reef that cuts hornblende gneiss. The reef strikes N. 25 W. and dips 50 to 60 degrees east. This reef is exposed at the surface for a distance of more than 300 feet.

At the prospect the reef, named the Mena vein, is from 1 to 8 feet wide and consists of brecciated wall rocks that are bleached and altered. The breccia is veined and cemented largely by carbonates; it is a dense hard brown rock that weathers to brick red colors at the surface. The minerals of the reef consist of chalcopyrite, pyrite, galena, bismuth, native silver, and pitchblende in a gangue of carbonate and quartz. The pitchblende occurs as thin seams associated with the carbonate gangue. The reef is noticeably radioactive for the entire exposure, but results of sampling show that ore-grade material is likely to be found in distinct shoots irregularly spaced along the reef.

Two drill holes put down by the U. S. A. E. C. intersected the Mena vein at distances comparing favorably with its projected position made from dips observed on the surface and in the north adit. These holes intersected mineralized breccia vein material but no significant radioactivity was logged in either hole.

Drifting in the South adit disclosed a small pod of high grade uranium mineralization at 13.5 feet to 32 feet from the portal (fig. 3). This mineralization is localized at the intersection of the Mena vein with a cross fault striking N. 10 W., and dipping 50 to 60 degrees east.

Drifting from the North Portal exposed two ore shoots of commercial grade uranium mineralization, one 19.4 to 39.9 feet and the second from 61.5 to 91.5 feet from the portal. The adit, though continued to 200 feet failed to encounter further uranium mineralization. The second

ore shoot was found to be continuous with the ore exposed in the bottom of the Nigger shaft (fig. 3).

Drill hole No. 1 was drilled from a point about 160 feet northeast of the North Portal normal to the strike of the Mena vein to intersect it about 100 feet down dip. A vein, intersected at a hole depth from 130 to 140 feet was named the Lagrima vein. The vein consisted of highly altered and fractured gneiss recemented with lime and locally brecciated. The Mena vein was intersected between 156 and 162 feet and appeared as a pink, hematite stained quartz vein in highly silicified and altered gneiss. Only a very thin breccia zone was identified. Both veins were barren of uranium mineralization.

Drill hole No. 5 was drilled 240 feet south and east of the North Portal. A number of narrow breccia veins were intersected by this hole, and the Lagrima vein was intersected at a depth between 107 and 110 feet. A breccia zone intersected at 145 to 150 feet was interpreted as the Mena vein. A third breccia zone was encountered at 197 to 200 feet. This breccia zone is correlated with the northerly trending fault which crosses the Mena vein near the Portal of the South drift.

Drill holes Nos. 2 and 4, drilled westerly from underground stations, were entirely barren of mineralization where they intersected the Mena vein. No uranium mineralization was found as a result of the Stage II drilling and none discovered in the shaft or other workings on the Lagrima vein on the 6,760-foot level (fig. 3).

ORE RESERVES

As of June 30, 1958, the operator had produced, as a result of exploration under the contract, 635 tons of ore subject to DMEA royalty. Inferred reserves remaining above and below the adit level are estimated to be between 100 and 200 tons containing 0.5 percent U_3O_8.

THE PROJECT

The purpose of the project was to explore for uranium ore in a breccia reef. The reef was known to contain irregular bodies of carbonate-rich rocks that are veined by pitchblende and base-metal sulfides. The reef was exposed in Ralston Creek and could be traced by outcrops and float for more than 200 feet to the northwest and for 450 feet to the southeast.

Significant uranium ore deposits were being mined from two other similar deposits in the Ralston Creek district. Because of the persistence of the mineralized structure and associated alteration the reef was considered favorable for the occurrence of significant amounts of uranium ore.

Original program and modifications

The application submitted to DMEA proposed a single-stage program of exploration consisting of 600 feet of drifting, access roads, and

other facilities at an estimated cost of $119,610.00. An examination was made on October 10, 1955, which resulted in a modified program of drifting in two stages that included (1) a reduction in the amount of access road construction; and (2) elimination of a proposed culvert, bulldozer stripping, and contingencies. The costs of the modified program recommended by the examining team totaled $22,600.

A contract, dated February 3, 1956, was signed, authorizing 425 feet of drifting under Stage I and 225 feet of drifting under Stage II. The estimated total cost was $22,604.00, Government participation 75 percent or $16,953.00. Work under the contract was to start on or before March 1, 1956, and be completed by August 1, 1956.

Amendment No. 1, dated July 17, 1956, authorized the following change: "The date fixed under Article 3 of Exploration Project Contract Form MF-200 as the date on or before which the operator shall have completed the work is extended from August 1, 1956 to December 1, 1956".

Amendment No. 2, dated November 14, 1956, authorized the following:

1. "The date fixed in Article 3 of the Contract form, as amended by Amendment No. 1, as the date on or before which the Operator shall have completed the work, is extended from December 1, 1956, to May 1, 1957.

2. "The maximum period for payment of royalties and lien for payment thereof, provided for in the Contract, is increased to (11) eleven years from the date of the contract."

Amendment No. 3, dated April 22, 1957, authorized the following changes:

1. "In Article 3 of the contract, the date fixed for completion of the work is further extended from May 1, 1957, to August 1, 1957.

2. "The work also includes diamond core drilling from surface to explore for the downward projection of the mineralized breccia (Mena vein) below the adits completed in Stage I."

3. In Exhibit "A" under Description of the Work, Stage II drifting is deleted and a new Stage II is substituted, as follows:

"Prepare access roads and drill sites with a Model D-8 Caterpillar tractor W/dozer or an equivalent size unit, and drill five diamond core holes at the locations marked Nos. 1 through 5. ------"

4. In Exhibit "A" under Estimated Costs of the Project, the estimate for Stage II is revised to read as follows:

Estimated Total Cost, Stage II (originally $7,495.00)	$ 6,398.50

5. In Exhibit "A" under Estimated Costs of the Project, the totals are revised to read as follows:

"Estimated Total Cost of Project (originally $22,604.00)	$21,508.00
"Government Participation at 75 percent (originally $16,953.00)	$16,131.00

Amendment No. 4, dated July 31, 1957, amends the date on or before which the work shall be completed, as amended by Amendment No. 3, is extended from August 1, 1957, to November 1, 1957, and "The maximum

period for payment of royalty and lien of payment thereof is increased to twelve (12) years from the date of contract".

Amendment No. 5, dated March 10, 1958, amended the Contract to:

1. The date fixed by Amendment No. 4 for completion of the work is extended from November 1, 1957, to June 30, 1958.

2. Work under the Contract shall be suspended during the period beginning September 10, 1957, and ending not later than April 1, 1958.

3. The maximum period for royalty payments is increased from twelve (12) to thirteen (13) years.

Amendment No. 6, dated March 26, 1958, deleted item 3, third paragraph of Amendment No. 3 and substituted the following:

"The tentative depths, directions, and inclinations for the drilling of these holes are as follows, which may be varied to fit conditions found to exist, such variation subject to the prior written approval by the Government."

Amendment No. 7, dated May 9, 1958, amends the contract as follows:

"In lieu of drilling all five (5) Stage II drill holes from the surface as provided for by Amendment No. 3, dated April 22, 1957, three (3) of the holes may be drilled to the same objectives from points in the 100-foot level workings, which were driven solely at the Operator's expense without contribution by the Government. The exact location, extent, and attitude of the three possible drill holes from underground stations are subject to prior written approval by the Government."

Description of work completed

Exploration work under Stage I of the contract was started on February 27, 1956, and was completed on September 30, 1956. This work included 424 feet of exploratory drifting, and 65-1/4 hours of bull-dozer time on access roads and portal locations.

Drifting in the South adit was started on February 27, 1956, and was completed to 224 feet in June 1956. A 35-foot crosscut was driven by the operator at a point 47 feet in from the portal.

Drifting in the North adit was started during June 1956 and was completed to 200 feet by September 30, 1956. This completed the first stage of the exploration contract, and the operator started work on development and mining of the discovered ore. The work consisted of raising from the adit and stoping the larger of two ore pods discovered during the driving of the adit.

During February 1957 the operator, at his own expense, started sinking a shaft, which was continued to 90 feet in depth plus 10.0-foot sump. Drifting on the 6,760 level was started in both a northerly and southerly direction. By March 1958 the underground workings turned from the bottom of shaft were extended 100 feet to the south, and 50 feet to the north. Also, a 65-foot raise and stope about 40 feet south of the shaft and a 26-foot raise from a point 100 feet southeast of the shaft were excavated.

Drilling under Stage II was started in April 1958 with DMEA drill hole No. 1, located about 160 feet northeast of the north portal. This hole was completed at a depth of 186 feet. DMEA drill hole No. 5 was started at about 240 feet south and east of the north portal, and was completed at a depth of 206 feet. DMEA drilling from underground drill stations included two of three authorized holes. Hole No. 2 was drilled to a depth of 40 feet. Hole No. 4 was drilled to a depth of 69 feet. Hole No. 3 which was located adjacent to a crosscut driven by the operator, was not drilled because it would have duplicated the exploration accomphished by the crosscut.

Summary of accepted project costs

Subject to Audit or Review by Contract Administration and Audit Division DMEA

	Stage I		Stage II		Totals	
Item of work	Units	Amount	Units	Amount	Units	Amount
Drifting	424.00 ft.	$12,274.80		$	424.00 ft.	$12,274.80
Bulldozing	65.25 hrs.	783.00	5.31 hrs.	63.75	70.56 hrs.	846.75
Technical service	3.25 mos.	1,300.00	2.19 mos.	875.81	5.44 mos.	2,175.81
Chemical assays	36 ea.	180.00			36 ea.	180.00
Core drilling			501.00 ft.	2,505.00	501.00 ft.	2,505.00
Hole probing			501.00 ft.	75.15	501.00 ft.	75.15
Core boxes			40 ea.	30.00	40 ea.	30.00
Acc't. office			2.00 mos.	100.00	2.00 mos.	100.00
Subtotals		$14,537.80		$ 3,649.71		
	Total cost of project					$18,187.51
	Government participation at 75 percent					$13,640.63

SUMMARY OF FACTUAL DATA

Stage I

Contract Item	Contract maximums			Claimed			Approved (Subject to audit)		
	Units	Unit cost	Total	Units	Unit cost	Total	Units	Unit cost	Total
Drifting	425.00 ft.	$ 28.95	$12,303.75	424.00 ft.	$ 28.95	$12,649.48	424.00 ft.	$ 28.95	$12,274.80
Bulldozing	90.00 hrs.	12.00	1,080.00	65.25 hrs.	12.00	783.00	65.25 hrs.	12.00	783.00
Technical service	3.25 mos.	400.00	1,300.00	3.25 mos.	400.00	1,300.00	3.25 mos.	400.00	1,300.00
Chemical assays	85 ea.	5.00	425.00	36 ea.	5.00	185.00	36 ea.	5.00	180.00
Total Stage I			$15,108.75			$14,917.48			$14,537.80
Government share, 75 percent			$11,331.56						$10,903.35
Stage II, Amendment No. 3, April 22, 1957									
Core drilling	1,000.00 ft.	$ 5.00	$ 5,000.00	501.00 ft.	$ 5.00	$ 2,505.00	501.00 ft.	$ 28.95	$ 2,505.00
Technical service	2.25 mos.	400.00	900.00	2.25 mos.	400.00	900.00	2.19 mos.	400.00	875.81
Accounting office	2.25 mos.	50.00	112.50	2.00 mos.	50.00	100.00	2.00 mos.	50.00	100.00
Hole probing	1,000.00 ft.	0.15	150.00	501.00 ft.	0.15	75.15	501.00 ft.	0.15	75.15
Bulldozing	8.00 hrs.	12.00	96.00	5.31 hrs.	12.00	63.75	5.31 hrs.	63.75	[illegible].75
Core boxes	40 ea.	0.75	30.00	40 ea.	0.75	30.00	40 ea.	0.75	[illegible].00
Sample sacks	---	---	10.00	---	---	---	---	---	---
Chemical assays	20 ea.	5.00	100.00	---	---	---	---	---	---
Total Stage II			$ 6,398.50			$ 3,673.90			$ 3,649.71
Government share, 75 percent			$ 4,798.88						$ 2,737.28
Project totals (rounded)			$21,508.00			$18,596.38			$18,187.51
Government participation at 75 percent			$16,131.00						$13,640.63

CONCLUSIONS

Work under the contract was performed and supervised in an acceptable manner. Unforeseen circumstances caused some slow down of the Stage I drifting.

The North drift exposed two bodies of commercial grade uranium ore, and the South drift exposed one small lens of uranium ore. Six hundred and thirty-five tons of uranium ore have been produced from these shoots as of June 30, 1958, which were subject to DMEA royalty.

Drilling under Stage II, from surface and underground stations, found no mineralized material of commercial interest, from which it is concluded that the uranium mineralization bottoms less than 50 feet below the adit level. Inferred reserves remaining as of June 30, 1958, amounts are estimated to be between 100 and 200 tons of uranium ore containing about 0.5 percent U_3O_8. A Certificate of Discovery was issued on June 23, 1958. Further exploration of this property with Government assistance is not recommended.

OFFICIAL FILE COPY
O M E
RECEIVED NOV 14 1958

DATE	INITIALS	
11/14	C	220
11/14	Kennedy	700

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

OFFICE OF MINERALS EXPLORATION
224 New Customhouse
Denver 2, Colorado
November 12, 1958

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. EMKA 3919 (Uranium)
Contract Idm-E915, Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

We are now in position to make final payment to you for the amount of $500.00 which was withheld from reimbursement to you in processing your final voucher for the period May-June, 1958; however, review of the royalty files reveals that an amount of $421.09 is due the Government, as indicated by the First Report of Royalty Review, dated October 7, 1958, a copy of which has been forwarded to you.

Please reply by return mail, and either enclose your check for royalty due in the amount of $421.09, or inform this office that you prefer that the royalty due be deducted from final payment to you. If no reply is received in this office by November 21, 1958, final payment will be processed, and the past due royalty deducted therefrom.

Very truly yours,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Executive Officer
OME Field Team, Region III

JDC/ff
cc: Chmn. Op. Comm. (2)✓
Harshman
Belser
Royalty file, E915
Corres. file, Reg. III
Cooper
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/7	G McCarthy	800
11/7	Talbutt	800
11/10	C	220
11/13	Kuause	700

NOV 7

Mr. Donald T. Finch
DMEA Auditor
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Joseph V. Walsh
Contract No. Idm-E915

Dear Mr. Finch:

Your Report of Review on the above-cited project is acceptable and normal distribution is authorized.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers
Contract Administration
and Audit Division

GMcCarthy/GMcC
November 7, 1958

cc: Docket
Director's Reading File
Mr. Chambers

8623

224 New Customhouse
Denver 2, Colorado
October 28, 1958

10/30 C
10/30 Bureau 70C

Memorandum

To: Donald T. Finch, OME Auditor

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

Subject: Docket No. EMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh, (Hofmeister prospect) Jefferson County, Colorado

The subject contract is considered completed and the Operator was so notified by letter from the Administrator, dated July 23, 1958, a copy of which is enclosed for your records.

The Operator has rendered its final report as required by the contract, therefore final payment of the Operator's account is in order, contingent on release to this office of a Certificate and Report of Audit or Report of Review of reported project costs, whichever the case indicates.

None of the acceptable work under the contract was performed at fixed unit costs.

The amount of $500.00 was withheld from reimbursement to the Operator in processing the final accounting report and voucher for the month of June, 1958.

Original signed by
E. N. HARSHMAN

E. N. Harshman

Enclosure

JIC:hmh

cc: Chmn. Op. Comm. (2)
Harshman
Corres. file, Reg. III
Cooper
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~DEFENSE MINERALS EXPLORATION ADMINISTRATION~~
OFFICE OF MINERALS EXPLORATION
224 New Customhouse
Denver 2, Colorado
October 28, 1958

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 30 1958

DATE	INITIALS	CODE
10/30	C	220
10/30	[illegible]	800
10/31	[illegible]	700

Memorandum

To: Chairman, Operating Committee, OME

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

Subject: Docket No. DMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh, (Hofmeister prospect) Jefferson County, Colorado

Enclosed are the original and one copy of a final report submitted by the subject Operator pertaining to work completed under the contract.

The Operator's final report has been reviewed by this office and appears to be satisfactory. Therefore, we recommend that the final report be accepted as complying with the provisions of Article 7(c) of the contract.

E. N. Harshman

E. N. Harshman

Enclosures

OPR'S FINAL REPORT

FINAL REPORT

DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 NEW CUSTOMS HOUSE, DENVER 2, COLORADO

Docket No. DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

OME
DEPARTMENT OF THE INTERIOR
OCT 27 1958
REGION III
DENVER, COLORADO

INDEX-

Indroduction

Chronological History

Summary Of Stage I

Exploratory Mining and Stage II

Conclusions

Assay Reports

Map Of All Workings

Joseph W. Walsh
Operator
4925 Montview Blvd.
Denver 7, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 30 1958

DATE	INITIALS	CODE

SUMMARY NARRATIVE REPORT

Mena Mine
Jefferson Co., Colo.
Defense Minerals Exploration Administration
Contract Idm -E-915, Docket No. 3919 (Uranium)
Joseph W. Walsh, Operator.

INTRODUCTION:

The following is a summary report of the exploration work conducted at the Mena Mine, Jefferson Co., Colo., under defense Minerals Exploration administration Project Contract Idm- E-915 dated February 3, 1956 as ammended. This report summarizes that report submitted at the completion of the first stage of the exploration program, evaluates the results obtained in the second stage drilling program, and reports and evaluates work accomplished by the operator not done under DMEA contract.

CHRONOLOGICAL HISTORY:

Exploration work under Stage 1 of this contract was commenced on February 27, 1956, and was completed on September 30, 1956. This work included 65½ hours of bulldozing access roads and portal locations and 424 feet of exploratory drifting. At the completion of this work a summary geological report was submitted. A proposal for a second stage drilling program to replace the original drifting program of an additional 225 feet was submitted at this time. Work under the DMEA exploration contract was suspended from October, 1956 to April, 1958. During this period ore was mined from the previously discovered ore bodies in the North Mena. Starting in February, 1957, a 95 foot vertical exploratory shaft with a 10 foot sump was sunk from a point approximately 70 feet N 72° E of the North Portal. A drift of approximately 100 feet was driven south to southeasterly and of 50 feet northerly from the bottom of the shaft. Two exploratory raises were driven from this level, the first approximately 40 feet south of the shaft to a height of about 65 feet with a 30 foot wide stope at the top, and the second approximately 100 feet southeast of the shaft to a height of about 26 feet. No mineralization was discovered as a result of this work.

At this point this writer was retained to evaluate the results of the previous exploration work and to plan and supervise a core drilling exploration program. From April, 1958 through June, 1958 work was resumed on the second stage of the DMEA exploration contract. This work included four diamond drill holes as later described.

During this same period, a 30 foot exploratory winze was sunk from a point approximately 23 feet south of the South Portal, and a 50 foot exploratory crosscut was made at the 6768 foot elevation in a westerly direction from a point approximately 55 feet south of the bottom of the shaft .

SUMMARY OF STAGE I EXPLORATORY DRIFTING

Drifting in the South Portal was commenced in February of 1956 and was completed to 224 feet in June, 1956. One small pod of high grade uranium mineralization was discovered from 13.5 to 32.0 feet from the point of origin. This mineralization apparently occured as a result of the intersection of the Mena Vein with a cross fault striking N 10° W and dipping 50° to 60° southerly. The fissure followed with the drift became very tight and showed little or no brecciation. The drift encountered a major goudge filled breccia reef of the Rogers Fault System at a distance of 182 feet at which time the fissure was lost. The drift was continued to 224 feet. Subsequent examination of this drift and more recent workings raises some question in the mind of this writer as to whether the fissure followed was actually the Mena Vein or a minor associated tension shear.

A 35 foot crosscut was driven by the operator from a point 47 feet south of the point of origin westerly along the above mentioned cross fault but encountered no significant mineralization.

Drifting from the North Portal was begun in June, 1956 and was completed to 200 feet in September, 1956. Two fairly large ore shoots of commercial grade uranium mineralization were encountered, one 19.4 to 39.9 feet and the second from 61.5 to 91.5 feet from the protal. The drift was continued to 200 feet and encountered no further mineralization.

This work completed the first stage of the exploration contract and work was commenced to develop the discovered ore.

EXPLORATORY MINING AND STAGE II DRILLING

In February, 1957, work on the shaft was begun and it intersected a breccia vein at about 90 feet at an elevation of approximately 6768 feet. Drifting along the vein was commenced in northerly and southerly directions. By March of 1958 the underground workings from the shaft included 100 feet of drift to the south, 50 feet of drift to the north, a 65 foot raise and stope from a point 40 feet south of the bottom of the shaft, and a 26 foot raise from a point 100 feet south east of the bottom of the shaft.

At this time an accurate transit - chain survey and geological examination was made of the shaft and associated workings. The vein contained some minor sulfide mineralization locally including pyrite, bornite, galena, and argentite but was totally barren of uranium mineralization. Major changes in the direction of strike were observed at a point 35 feet north of the bottom of the shaft from N 25° W to N 5° E and at a point 50 feet south of the shaft from N 25° W to N 52° W. The dip throughout the workings was a constant 53° easterly. The vein as observed was never less than 1.5 feet wide and at the turns approached 6 to 7 feet in width.

These observations prompted a re-examination of the surface and workings in the North Portal from which it was concluded that there were at least two separate and distinct ages of faulting and that the mineralization was probably the result of the dip intersection of the Mena vein with the vein observed in the shaft workings later called the Lagrima vein. The footwall of the orebodies generally dipped at an angle of from 60° to 70° easterly while the hanging wall dipped at 53° easterly. This is clearly evidenced on the surface at the North Portal.

Followingthis evaluation, diamond drill hole DMEA No. 1. was drilled from a point approximately 160 feet northeast of the North Portal normal to the strike of the veins to intersect them approximately 100 feet down the dip of the Mena Vein. The Lagrima Vein was intersected at a drill hole depth of between 130 and 140 feet. The vein appeared as a highly altered, white to light green, fractured gneiss recemented with lime, locally brecciated. The Mena vein was intersected between 156 and 162 feet and appeared as a pink, hematite stained quartz or highly silicified and altered gneiss. Only a very thin breccia zone was identified. The veins were totally barren of uranium mineralization.

Drill hole DMRA No. 5. was then drilled from a point approximately 240 feet south and east of the North Portal. A number of narrow breccia veins were intersected with this hole and the Lagrima Vein was interpreted at between 107 and 110 feet drill hole depth. The vein appeared much as before as a white to light green, fractured and altered gneiss, recemented with lime, locally brecciated and hematite stained. The Mena vein was interpreted as a breccia observed at 145 to 150 feet. It appeared as a silicified quartz and gneiss breccia, white to pink hematite stained. A third more or less major breccia zone was observed at a drill hole depth of from 197 to 200 feet. This vein was interpreted as the more northerly trending fault which crosses the Mena Vein near the mouth of the South Portal.

During this period the operator was sinking an exploratory winze in the south portal approximately along the intersection of the above mentioned cross fault with the Mena Vein. The cross fault appears in the drift and crosscut as a tight calcite-healed shear striking approximately N 10° W and dipping about 60° easterly. The dip is flatening in the drift and in the winze averages about 52°. The Mena vein as observed in the winze appears as a coarse hematite stained breccia 1.0 to 1.5 feet wide which widens markedly in the vicinity of the intersection. A short drift was driven south along the Mena Vein from the bottom of the winze. Ore grade mineralization was found in the hanging walls of the veins along the line of intersection. The pitchblende mineralization appeared to lay on flatly dipping shears which were roughly parallel to the strike of the cross fault.

A crosscut was driven from the drift on the Lagrima Vein from a point approximately 50 feet south of the bottom of the shaft, westerly in an attempt to intersect and explore the Mena Vein. A number of tight, calcite-healed shears striking roughly parallel to the Mena and Lagrima Veins were crossed none of which have been definitely identified as the Mena Vein.

Drill hole DMEA No. 4. was drilled from the south end of the Lagrima drift S 15° W to intersect the Mena vein. It cut a number of calcite-healed shears some having thin breccia zones. Between 29.5 and 31.5 feet the hole cut a pink hematite stained quartz or highly silicified gneiss very similar to that cut in DMEA No. 1. This zone is tentatively identified as the Mena Vein. The hole was entirely barren of mineralization.

Drill hole DMEA No. 2. was then drilled from a point roughly 35 feet north of the bottom of the shaft in the Lagrima drift. This hole cut a 0.2 foot coarse, silicified, slightly hematite stained quartz and gneiss breccia at a drill hole depth of 28.5 feet. This zone was identified as the Mena Vein and found to be entirely barren of mineralization.

As of this writing work is being carried on to completely mine out the two orebodies discovered in the North Mena Adit.

CONCLUSIONS:

1. Three mineralized bodies totalling approximately 600 tons of 0.42% U_3O_8 average grade have been discovered as a result of drifting to the north and south from surface adits at creek (6850) elevation. Two of these bodies have proved commercial in quantity and quality. As of this writing these bodies have been nearly worked out and there is no estimate of remaining ore reserves.
2. No additional mineralization has been found in the diamond drill program or in the exploration mining on the Lagrima vein at the 6768 foot level or associated workings.
3. A body of commercial grade but of unknown extent has been discovered as a result of winzing on the intersection of a cross fault with the Mena Vein in the South Adit.
4. From observation of the work in the above mentioned winze it is the opinion of this writer that a strong possibility exists that the tight structure followed to the breccia reef in the South Adit is not the Mena Vein but a secondary associated minor shear. In this event the Mena vein would probably lay in the wall to the west of the drift.

5. The mineralization discovered in the North Adit is, in the opinion of this writer, the result of the intersection of the so-called Lagrima and Mena Veins. There is no evidence of the conduit at depth in either the workings or the drill holes and a strong possibility exists that the movement of mineralizing solutions was lateral. There is some indication that these solutions moved approximately horizontally from south to north probably along the Mena Fault.
6. Cursory surface examination has indicated the presence of a number of secondary fault or tension shear zones similar to the Mena and Lagrima veins branching from the Rogers Breccia Reef and its extension. On the west side of the reef the stronger shears have a N 10° W to N 35° W strike. To the east of the reef these tension shears have a S 5° E to S 40° E strike. Some success has been had in tracing these shears on the surface radiometrically.
7. The ore mined has been found to contain appreciable percentages of copper occuring as bornite, chalcocite and chalcopyrite. Several geochemical profiles totalling some 50 samples were run on the surface across the known orebody in the North Adit. These samples were run for copper, lead, and zinc. Significant anomalies were found in the copper determination ranging from a low background of about 50 parts per million in the wide breccia reef to the east of the ore body to an anomalous average of 160 to 175 parts per million in soil over the body with a maximum of 1200 parts per million in the soil on the radioactive outcrop immediately above the North Stope.

RECOMMENDATIONS:

It is recommended that work be commenced to explore the numerous shears similar to the Mena and Lagrima Veins which occur on either side and between the main branches of the Rogers Breccia Reef. Surface observation of these shears is normally difficult at best. From observations over known ground, it is the opinion of this writer that geochemical profiles with soil samples evaluated for copper content will indicate mineralized bodies of commercial grade and size. These anomalies should be checked and geochemically worked out in detail and core drilled where indicated.

SPECIMEN ASSAY REPORT

Docket No. DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

SOUTH DRIFT

Number	Distance From Portal*	% U308	Vein Width
So. 1	13' 6"	0.36	8"
So. A	20' 6"	0.83	14"
So. 2	27' 0"	14.23	20"
So. 3	32' 0"	5.18	8"
Cross Cut	43' 3"	0.12	9"
So. 4	58' 4"	0.09	6"
So. 5	76' 2"	0.03	26"
So. 6	82' 2"	0.06	4"
So. 7	94' 4"	0.01	6"
So. 8	100' 9"	0.05	4"
So. 9	106' 8"	0.002	6"
So. 10	112' 10"	0.034	2"
So. 11	119' 6"	0.02	2"
So. 12	125' 9"	0.172	2"
So. 13	157' 1"	0.063	1"
So. 14	184' 4"	0.023	2"

* DMEA - Point Of Origin.

SPECIMEN ASSAY REPORT

Docket No. DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

NORTH ADIT

Number	Distance From Portal*	% U_3O_8	Vein Width
No. 1	6' 0"	0.12	9"
No. 2	11' 7"	0.187	7"
No. 3	18' 3"	0.520	26"
No. L-1	23' 2"	0.041	30"
No. 4	28' 7"	0.277	30"
No. L-2	34' 5"	0.232	12"
No. 5	39' 11"	0.10	2"
No. L-3	42' 10"	0.21	2"
No. 6	47' 5"	2.00	1"
No. 7	53' 9"	0.05	2"
No. 8	58' 11"	0.03	2"
No. 9	64' 4"	0.02	1"
No. 10	69' 8"	2.97	19"
No. 10A	76' 2"	1.388	26"
No. L-4	81' 0"	1.225	18"
No. 11	85' 9"	4.035	21"
No. 12	98' 2"	0.04	11"
No. 13	109' 7"	0.068	4"
No. 14	136' 0"	0.033	3"
No. 15	173' 0"	0.015	7"
No. 16	200' 0"	0.030	7"

*DMEA - Point Of Origin.

All "L" Assay Numbers Taken From Hanging Wall.

Respectfully submitted,

Franklin A. Seward Jr.

Franklin A. Seward, Jr. GpE.
Consulting Geologist

October 10, 1958

Joseph W. Walsh

Joseph W. Walsh
Operator
Mena Mines
Jefferson Co., Colo.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/14	G McCarthy	~~800~~
10/14	Robert	800
10/15	C	220
		700

OCT 14 1958

Mr. Donald T. Finch
OME Auditor
224 New Customhouse
Denver 2, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Joseph W. Walsh
Contract No. Idm-E915

Dear Mr. Finch:

Your Report of Royalty Review covering the referenced project is acceptable and normal distribution is authorized.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers
Contract Administration
and Audit Division

GMcCarthy/GMcC
October 14, 1958

cc: Docket
Director's Reading File
Mr. Chambers

OFFICIAL FILE COPY O. M. E. RECEIVED OCT 10 1958		
DATE	INITIALS	CODE
10/10	C	220
10/10	[illegible]	700

224 New Customhouse
Denver 2, Colorado
October 7, 1958

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

We have not received your check for $421.05 requested in our letter to you, dated August 15, 1958.

Will you please advise when we may expect to receive your check for $421.05, which is the balance of the royalty due the Government at this time.

Very truly yours,
Original Signed
E. N. HARSHMAN

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

HMC:hmh

cc: Chmn Op. Comm. (2)
OME/DFC
Corres.file, Reg. III
Royalty file, E915
Chron

224 New Customhouse
Denver 2, Colorado
September 24, 1958

9-29 C 220
9/29 800
9/29 Kuyper 700

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. RMEA 3919 (Uranium)
Contract No. Lbm-3915
Joseph W. Walsh
(Huffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Reference is made to our letter of July 28, 1958, whereby we advised you of the requirement under Article 7 (d) of the captioned contract relative to the rendering to the Government of a final report pertaining to the work completed under the contract. To date, we have received no information from you concerning the required final report.

Please forward to this office by October 10, 1958, either the required five copies of the final report or a firm commitment as to the date on or before which the report will be received in this office. Otherwise, the matter will be referred to the Washington Office for consideration and appropriate action, due to your failure to comply with the contract provisions.

Very truly yours,

Original signed by
E. N. Hardenbrook

E. N. Hardenbrook
Acting Executive Officer

JBC:prl

cc: OMK/Washington (2)
Marshman
Balmer OMK/DFC
Corres. file
Cooper
Chron.

224 New Customhouse
Denver 2, Colorado
August 15, 1958

8-18 8/18 8/19 225 800 700

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Checks received as royalties on production from the captioned property, covered by the below listed settlement sheet liquidation numbers, has resulted in a net underpayment of $421.05 to DMEA as follows:

Liq. No.	Royalty Due	Royalty Paid	Royalty Due on AEC Bonus	Royalty Paid on AEC Bonus
4693	$154.02	$119.30	$106.00	$0.00
4694	121.37	87.30	80.81	0.00
4695	97.53	67.93	64.02	0.00
4749	72.74	47.33	46.42	0.00
	$445.66	$321.86	$297.25	$0.00

Total Royalty Due	$742.91
Total Royalty Paid	321.86
Balance Royalty Due	$421.05

The underpayment in each instance is due to the ore purchaser not including the development and haulage allowances when computing royalties, and your not submitting royalties on AEC initial production bonuses which you are eligible to for the production.

Please submit your check for $421.05 by return mail made payable to the Defense Minerals Exploration Administration and sent to the Executive Officer, DMEA Field Team, Region III, 224 New Customhouse, Denver 2, Colorado.

MHM:dz
cc: Sec. Op. Comm. 2
DMEA/DFC 2
Corres. File E915
Royalty File E915
Chron.

Very truly yours,
Original signed by
J. W. TOWNSEND
J. W. Townsend
Alternate Acting Executive Officer
DMEA Field Team, Region III

224 New Customhouse
Denver 2, Colorado
July 28, 1958

7/30 C 220
7/30 800
" 700

Mr. Joseph W. Walsh
4925 Mountview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm-3915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

In reference to item 1 of our letter of July 24, 1958, the Washington Office, DMEA, has advised us that since the project work has been essentially completed, the execution of a TERMINATION AGREEMENT is considered unnecessary.

Since the Contract is considered completed, your attention is directed to the requirement under Article 7 (c) of the contract form regarding the rendering of a final report pertaining to work completed under the Contract.

Very truly yours,
Original signed by
J. W. TOWNSEND

J. W. Townsend
Alternate Acting Executive Officer
DMEA Field Team, Region III

JWT:prl

cc: Chmn. Op. Comm. (2)
Marshman
DMEA/DFC (Salsbury)
Corres.
Cooper
Chron.

RECEIVED
DMEA
JUL 28 1958

DATE	INITIALS	CODE
7/28	N.g.	225
7/28	[illegible]	800
7/29	[illegible]	700

224 New Customhouse
Denver 2, Colorado
July 24, 1958

Mr. Joseph W. Walsh
4925 Montview Blvd.,
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Form MF-104, Operator's Monthly Report and Voucher, for May and June, 1958, has been received in this office. The following deductions and reinstatements have been made:

Supervision

A total of 62 hours supervisory time was reported for May 1958; however, in checking the daily time log submitted with the report, the total supervisory time for May 1958, was found to be only 52 hours. The reported cost for 10 hours supervisory time is disallowed.

Reinstatement, Drifting

Review of Form MF-104, Operator's Monthly Report and Voucher, for September 1956, indicates that the total accepted drifting costs are in error. In order to reconcile the account the amount of 90¢ has been reinstated.

In order to keep our records current the amount of $500.00, which was withheld in processing the April 1958 voucher is reinstated, and a similar amount is withheld from the May and June 1958 voucher, pending resolution of matters prerequisite to closing the account, which include the following:

1. Execution by the parties to the contract of a suitable agreement to terminate the contract in its present status, without requiring performance of the balance of work originally provided for.

2. Rendering to the Government a Final Report as required under Article 7(c) of the contract form.

3. Release to this office of an Audit Certificate and Audit Report, or Report of Review of the reported project costs by the Contract Administration and Audit Division, DMEA.

Very truly yours,

Original signed by
J. W. TOWNSEND

J. W. Townsend
Alternate Acting Executive Officer
DMEA Field Team, Region III

JDC:hmh

cc: Chmn. Op. Comm. (2)
Harshman
DMEA/DFC (Salsbury)
Cooper
Corres.file, Reg. III
Chron

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/23	Knowlt	700
	Martin	130
7-23	Chamberlin	110
"	Olson	160
"	Butterfly	100
7/24	H. J.	220
		700

Joyce Nelson

JUL 23 1958

Mr. Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Walsh:

This is with reference to our letter, dated July 17, which relates to the Termination Agreement that we promised would be sent to you through our Denver, Colorado office. A review of the file on your case reveals that the project work was completed. Therefore, the execution of a Termination Agreement is unnecessary.

Our Denver, Colorado office will communicate with you concerning any further action necessary to close your case.

Sincerely yours,

C. O. Mittendorf

Administrator

FLKnouse/izm 7-23-58
cc: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT Reg. 3 (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/23	Knouse	700
	Martin	130
7-23	Chambers	800
"	Johnson	140
"	Bentley	100
7/24	Yoges	220
		700

JUL 23 1958

Mr. J. W. Townsend
Alternate Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Townsend:

You will note from our letter, of even date, to the Operator that since the project work was completed, the execution of a Termination Agreement is unnecessary. Also, that you will advise the Operator what additional action is necessary to close the case.

Sincerely yours,

W. S. Martin
(sgd)
ACTING Chairman, Operating Committee

Enclosure

APPROVED:

P. F. Yopes
(sgd)
Member, Bureau of Mines

N. E. Nelson
(sgd)
Member, Geological Survey

FLKnouse/izm 7-23-58
cc: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224

8623

DEPARTMENT OF THE INTERIOR
Office of the Solicitor

Date July 22, 1958

Referred to: Mr. Knouse, DMEA, Rm. 4441

From: H. C. Rubin, Div. of Min. Res.

For: Information and retention _____

Information and return _____

Necessary action ~~xxxxxxxxx~~ X

Comment and return _____

Distribution in office or region _____

Remarks: Returned per phone conversation.
No termination agreement necessary.

H. C. Rubin
(Signature)

INT.-DUP. SEC., WASH., D.C.

94399

DMEA Form 7
(12-56)

C

INTERIOR DEPT.

JUL 18 1958

SOLICITOR

OFFICIAL FILE COPY

Date	Surname	Code
7/14/58	Knouse	700
		140

July 14, 1958

Memorandum

To: Associate Solicitor
Division of Mineral Resources

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

Subject: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
TerminationAgreement

Please draft a Termination Agreement for the subject contract. We recommend "Termination Agreement /All Contract Forms - MF-200, MF-200A/", Circular 33, dated June 30, 1954, with the following paragraphs:

1. Effective date June 27, 1958.

2. The Government shall contribute to the allowable cost incurred prior to said effective date, and shall contribute to allowable costs incurred or to be incurred beginning with said effective date in performing winding-up and settlement action provided for in the contract in performing any chemical analyses necessary to complete the final report.

3, 4, 5, and 7 - full paragraphs.

/s/ F. L. Knouse

F. L. Knouse

FLKnouse/gla
cc to: Mr. Knouse

8623

July 14, 1958

Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

JUSTIFICATION FOR TERMINATION AGREEMENT

All the work allowed in the contract, as amended, has been completed. There is an unexpended amount of funds because of shorter holes and less cost, due to the relocation of some diamond drill holes to underground stations made possible after the Operator completed underground work at his expense. The Operator proposed to use the remaining funds, with additions to be contributed by the Government, to explore additional major reef structures on the property by means of a geochemical survey followed by diamond drilling from the surface. The Field Team reports that insufficient funds remain to complete the survey and do the necessary underground exploration. (See Operator's proposal, dated June 27, 1958, also Field Team's recommendations, dated July 9, 1958.)

About 600 tons of ore were found as a result of the exploration work, including the work done subsequent to the date of the contract by the Operator. The project was certified on June 23, 1958. The Field Team reports that the small ore potential of the area, as is indicated by the completed exploration, does not justify the proposed additional exploration. The writer concurs with the Field Team.

Therefore, as recommended by the Field Team, the project work should be terminated.

F. L. Knouse

F. L. Knouse

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/15/58	Knouse	700
	Martin	130
7/16	Johnson	110
"	Mittendorf	100
		220
		700
7/16	Lamb	130
7/16	Kilgaard	130
7/18	FL G.	225
		700

JUL 17 1958

Mr. Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Walsh:

Your application, dated June 27, 1958, for Government participation in additional exploration of your property, and other available related information have been reviewed.

Careful study of all our information indicates that the probability of disclosing significant additional ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for Government participation in additional exploration of your property is denied.

Since the target area has been adequately explored and the contract work is completed, the contract work should be mutually terminated. Therefore, we are preparing a Termination Agreement that will be sent to you through our Denver, Colorado, office.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

FLKnouse/gla
7-15-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Mr. Knouse
DMEA Field Team, Region III (2)

862

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado
July 9, 1958

ORIGINAL FILE COPY
DMEA
RECEIVED JUL 11 1958

DATE	INITIALS	CODE
7/11	C	220
		1304
"	FLK	700

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Mena mine), Jefferson County, Colorado

In reference to your teletype of July 8, 1958 and prior correspondence, enclosed are the original and two copies of a joint memorandum, dated July 8, 1958, from M. H. Salsbury, Mining Engineer, Bureau of Mines, and E. N. Harshman, Geologist, Geological Survey, pertaining to the Operator's request for approval of additional work which is not presently provided for in the contract.

For reasons stated, the field examiners recommend that the Operator's request be denied and that the contract be terminated in its present status; in which this office concurs.

It is recommended that an appropriate denial letter to the Operator be prepared by your office. Also, since all of the work originally provided for is not to be completed, it is recommended that a suitable termination agreement be prepared and made effective June 27, 1958.

J. W. Townsend

J. W. Townsend

Enclosures

IN REPLY REFER TO:

DMEA

DEPARTMENT OF THE INTERIOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

JUL 9 - 1958
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 11 1958

DATE	INITIALS	CODE

July 8, 1958

Memorandum

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

From: M. H. Salsbury
E. N. Harshman

Subject: DMEA Docket 3919 (Uranium), Contract Idm-E 915, Joseph W. Walsh (Mena mine), Jefferson County, Colorado

In a letter dated June 27, 1958, the operator, through his supervising engineer, requests that the unexpended funds under the subject contract be utilized for additional exploration of the Mena mine property by means of geochemical prospecting and drilling. Requested also is an extension of the completion date from June 30, 1958, to January 1, 1959.

Denial of the request for additional work and extension of the completion date is recommended for reasons as follows:

1. The original objectives have been accomplished by exploration completed by the operator either at his expense or with DMEA assistance. The target of the exploration program set up under the amended exploration contract was to explore the Mena vein by drifting and by diamond drilling from the surface and from underground drill stations. This work resulted in the discovery of modest amounts of uranium ore most of which has now been mined. A Certification of Discovery was issued on June 23, 1958.

2. Geochemical prospecting is of greatest value if used early in an exploration program to define areas warranting intensive exploration by other more costly methods. In this case the intensive exploration has been completed on the one known ore-bearing structure and geochemical prospecting at this time is not considered justified or within the original intent of the contract.

3. Unexpended funds are not sufficient to carry out a program of geochemical prospecting and the required underground exploration necessary to roughly delineate any ore bodies that might be inferred from such a program.

4. Additional funds are not recommended because of (a) the small ore potential of the area as indicated by the completed exploration, and (2) the Secretary of the Interior's ruling of June 6, 1958, regarding supplemental funds for DMEA projects.

M. H. Salsbury

M. H. Salsbury, Mining Engineer

E. N. Harshman

E. N. Harshman, Geologist

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7/8	Knouse	700
7/8		~~700~~
7/8	Selfridge	130
"	Johnson	110
"	Weatherby	100
		~~DHB~~
7/9	C	220
		700

JUL 8 1958

Dept. of the Interior

DMFA
14X4401(01) Revolving Fund
Defense Production Act,
Interior (Transfer to Office of the Secretary)

T E L E T Y P E

J. W. TOWNSEND
ALTERNATE ACTING EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION 3
224 NEW CUSTOMHOUSE BUILDING
DENVER, COLORADO

REFERENCE TO HARSHMAN JULY 2, DMEA 3919 JOSEPH W. WALSH,

CANCEL ACTION ON OPERATOR'S PROPOSAL AS WE ARE UNABLE TO APPROVE

THE REQUEST.

George C. Selfridge

CHAIRMAN, OPERATING COMMITTEE (GCS)

FLKnouse/izm 7-8-58
cc: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Confirmation copy

8623

OFFICIAL FILE COPY DMEA		
RECEIVED 7 1958		
DATE		CODE
7/7	C	220
7/7		800
7/8	7LR	700

224 New Customhouse
Denver 2, Colorado
July 2, 1958

Memorandum

To: E. N. Harshman - w/enclosures
DMEA/BFC (Salsbury) - w/enclosures

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

Subject: Docket No. DMEA 3919 (Uranium) Contract Idm-8915, Joseph W. Walsh, (Mena mine) Jefferson County, Colorado

Enclosed are the following items submitted to this office by the subject Operator, pertaining to a request for additional work under proposed Stage III and IV.

1. Letter from the Operator, dated June 27, 1958.

2. Summary Narrative Report.

3. Project proposal, Stages III and IV.

4. Map entitled, "SKETCH MAP, MENA MINES, J. W. WALSH MINERAL LEASE."

The additional work proposed by the Operator consists of the following:

Stage III, a two-phase geochemical program involving a total of approximately 1024 geochemical stations to determine and outline geochemical anomalies, based on copper content of surface material.

Stage IV, consisting of 1000 feet of core drilling to test any major geochemical anomalies discovered as a result of Stage III work.

The total cost of the work under Stages III and IV is estimated to be $4,376.40.

A review of our fiscal records, which are subject to audit but are presumed to be reasonably correct, indicates an unexpended balance of only $3,297.20, thereby precluding approval of the proposed additional work in its entirety.

Please submit a joint memorandum containing your recommendations concerning the proposed additional work. If additional work is recommended, twelve (12) extra copies of a map showing the additional work will be required by this office.

Original signed by
J. W. TOWNSEND

J. W. Townsend

JW:hah

cc: Chem. Op. Comm. (2) w/copy of
Corres. file, Reg.III) enclosures
Cooper
Chron

Franklin A. Seward, Jr.
CONSULTING GEOLOGIST - GEOPHYSICAL ENGINEER
CR 0-2217
1409 20TH STREET
GOLDEN, COLORADO

June 27, 1958

OFFICIAL FILE COPY
DMEA
DEPARTMENT OF THE INTERIOR
RECEIVED JUN 30 1958
DATE | INITIALS | CODE
REGION III
DENVER, COLORADO

Executive Officer,
Defense Minerals Exploration Administration,
224 New Custom House
Denver, Colorado

Re: Docket DMA - 3919
Contract Id -I -915
Mena Mine
Jefferson Co., Colo.
J. V. Walsh, Operator

Dear Sir:

Stage 1 and Stage 11 of Defense Minerals exploration Id E-915, DMA Docket No. 3919 have been successfully executed as of this date.

It is hereby requested that the expiration date be extended six months from June 30, 1958 to January 1, 1959.

It is further requested that consideration be given to the attached proposal for further exploration work at the Mena Mine property.

The operator recognizes the fact that this proposal is not within the original scope of the contract but feels that it is in keeping with the spirit of the contract and the purpose of the Defense Minerals Exploration Administration, and that it is in the best interest of both the operator and the U. S. Government.

The operator has undertaken, at his own expense, a research program to determine the geological and geophysical method best suited to explore the remainder of his property. This research program included pilot self potential (spontaneous polarization), radiometric, and geochemical surveys over known ground. This work indicated that a geochemical survey should show significant anomalies over uranium ore bodies of commercial size and grade.

The original contract allowed for a total estimated cost of $22,604.00 of which a total of $18,211.70 was expended in first and second stage exploration leaving an unexpended balance of 4,392.30. The proposed third and fourth stage program would cost an estimate maximum total of $4376.40.

The operator has retained this writer as consulting geologist and geophysicist to supervise all future exploration work at the Mena Mine. The Third Stage geochemical survey is to be performed under independent contract by Exploration Associates of Golden, Colo.

The fourth stage drilling program is to be performed by the operator on company account, under the supervision of this writer. The fixed unit cost of drilling is designed to include all incidental expense relative to this phase of the program including equipment, materials, location of drill sites, supervision, logging, probing etc. Any costs incurred that exceed the maximum unit costs of $3.25 per foot of hole drilled will be borne by the operator.

Very truly yours

Franklin A. Seward Jr.

Franklin A. Seward Jr.,
Supervising Engineer
Mesa Minos
for: Joseph V. Valch
Operator

FAS/os
2 Enc.

SUMMARY NARRATIVE REPORT

Mena Mine
Jefferson Co., Colo.
Defense Minerals Exploration Administration
Contract Idm -E-915, Docket No. 3919 (Uranium)
Joseph W. Walsh, Operator.

INTRODUCTION:

The following is a summary report of the exploration work conducted at the Mena Mine, Jefferson Co., Colo., under defense Minerals Exploration administration Project Contract Idm- E-915 dated February 3, 1956 as amended. This report summarizes that report submitted at the completion of the first stage of the exploration program, evaluates the results obtained in the second stage drilling program, and reports and evaluates work accomplished by the operator not done under DMEA contract.

CHRONOLOGICAL HISTORY:

Exploration work under Stage 1 of this contract was commenced on February 27, 1956, and was completed on September 30, 1956. This work included 65½ hours of bulldozing access roads and portal locations and 424 feet of exploratory drifting. At the completion of this work a summary geological report was submitted. A proposal for a second stage drilling program to replace the original drifting program of an additional 225 feet was submitted at this time. Work under the DMEA exploration contract was suspended from October, 1956 to April, 1958. During this period ore was mined from the previously discovered ore bodies in the North Mena. Starting in February, 1957, a 95 foot vertical exploratory shaft with a 10 feet sump was sunk from a point approximately 70 feet N 72° E of the North Portal. A drift of approximately 100 feet was driven south to southeasterly and of 50 feet northerly from the bottom of the shaft. Two exploratory raises were driven from this level, the first approximately 40 feet south of the shaft to a height of about 65 feet with a 30 foot wide stope at the top, and the second approximately 100 feet southeast of the shaft to a height of about 26 feet. No mineralization was discovered as a result of this work.

At this point this writer was retained to evaluate the results of the previous exploration work and to plan and supervise a core drilling exploration program. From April, 1958 through June, 1958 work was resumed on the second stage of the EMA exploration contract. This work included four diamond drill holes as later described.

During this same period, a 30 foot exploratory winze was sunk from a point approximately 25 foot south of the South Portal, and a 50 foot exploratory crosscut was made at the 6768 foot elevation in a westerly direction from a point approximately 55 feet south of the bottom of the shaft.

SUMMARY OF STAGE I EXPLORATORY DRIFTING

Drifting in the South Portal was commenced in February of 1956 and was completed to 224 foot in June, 1956. One small pod of high grade uranium mineralization was discovered from 13.5 to 32.0 feet from the point of origin. This mineralization apparently occured as a result of the intersection of the Mana Vein with a cross fault striking N 10° W and dipping 50° to 60° southerly. The fissure followed with the drift became very tight and showed little or no brecciation. The drift encountered a major gouge filled breccia roof of the Rogers Fault System at a distance of 182 feet at which time the fissure was lost. The drift was continued to 224 foot. Subsequent examination of this drift and more recent workings raises some question in the mind of this writer as to whether the fissure followed was actually the Mana Vein or a minor associated tension shear.

A 35 foot crosscut was driven by the operator from a point 47 foot south of the point of origin westerly along the above mentioned cross fault but encountered no significant mineralization.

Drifting from the North Portal was begun in June, 1956 and was completed to 200 foot in September, 1956. Two fairly large ore shoots of commercial grade uranium mineralization were encountered, one 19.4 to 39.9 foot and the second from 61.5 to 91.5 feet from the portal. The drift was continued to 200 foot and encountered no further mineralization.

This work completed the first stage of the exploration contract and work was commenced to develop the discovered ore.

EXPLORATORY MINING AND STAGE II DRILLING

In February, 1957, work on the shaft was begun and it intersected a breccia vein at about 90 foot at an elevation of approximately 6768 feet. Drifting along the vein was commenced in northerly and southerly directions. By March of 1958 the underground workings from the shaft included 100 feet of drift to the south, 50 feet of drift to the north, a 65 feet raise and stope from a point 40 feet south of the bottom of the shaft, and a 26 feet raise from a point 100 foot south east of the bottom of the shaft.

At this time an accurate transit - chain survey and geological examination was made of the shaft and associated workings. The vein contained some minor sulfide mineralization locally including pyrite, bornite, galena, and argentite but was totally barren of uranium mineralization. Major changes in the direction of strike were observed at a point 35 feet north of the bottom of the shaft from N 25° W to N 5° E and at a point 50 feet south of the shaft from N 25° W to N 52° W. The dip throughout the workings was a constant 55° easterly. The vein as observed was never less than 1.5 foot wide and at the turns approached 6 to 7 foot in width.

These observations prompted a re-examination of the surface and workings in the North Portal from which it was concluded that there were at least two separate and distinct ages of faulting and that the mineralization was probably the result of the dip intersection of the Mana vein with the vein observed in the shaft workings later called the Lagrima vein. The footwall of the orebodies generally dipped at an angle of from 60° to 70° easterly while the hanging wall dipped at 55° easterly. This is clearly evidenced on the surface at the North Portal.

Following this evaluation, diamond drill hole MMA No. 1. was drilled from a point approximately 160 feet northeast of the North Portal normal to the strike of the veins to intersect them approximately 100 feet down the dip of the Mana Vein. The Lagrima Vein was intersected at a drill hole depth of between 130 and 140 feet. The vein appeared as a highly altered, white to light green, fractured gneiss recemented with lime, locally brecciated. The Mana vein was intersected between 156 and 162 feet and appeared as a pink, hematite stained quartz or highly silicified and altered gneiss. Only a very thin breccia zone was identified. The veins were totally barren of uranium mineralization.

Drill hole [illegible] No. 5. was then drilled from a point approximately 240 feet south and east of the North Portal. A number of narrow breccia veins were intersected with this hole and the Lagrima Vein was interpreted at between 107 and 110 feet drill hole depth. The vein appeared much as before as a white to light green, fractured and altered gneiss, recemented with lime, locally brecciated and hematite stained. The Mena vein was interpreted as a breccia observed at 145 to 150 feet. It appeared as a silicified quartz and gneiss breccia, white to pink hematite stained. A third more or less major breccia zone was observed at a drill hole depth of from 197 to 200 feet. This vein was interpreted as the more northerly trending fault which crosses the Mena Vein near the south of the South Portal.

During this period the operator was sinking an exploratory winze in the south portal approximately along the intersection of the above mentioned cross fault with the Mena Vein. The cross fault appears in the drift and crosscut as a tight calcite-healed shear striking approximately N 10° W and dipping about 60° easterly. The dip is flattening in the drift and in the winze averages about 52°. The Mena vein as observed in the winze appears as a coarse hematite stained breccia 1.0 to 1.5 feet wide which widens markedly in the vicinity of the intersection. A short drift was driven south along the Mena Vein from the bottom of the winze. Ore grade mineralization was found in the hanging wall of the vein along the line of intersection. The pitchblende mineralization appeared to lay on flatly dipping shears which were roughly parallel to the strike of the cross fault.

A crosscut was driven from the drift on the Lagrima Vein from a point approximately 50 feet south of the bottom of the shaft, westerly in an attempt to intersect and explore the Mena Vein. A number of tight, calcite-healed shears striking roughly parallel to the Mena and Lagrima Veins were crossed none of which have been definitely identified as the Mena Vein.

Drill hole DHA No. 4. was drilled from the south end of the Lagrima drift S 15° W to intersect the Mesa vein. It cut a number of calcite-healed shears some having thin breccia zones. Between 29.5 and 31.5 feet the hole cut a pink hematite stained quartz or highly silicified gneiss very similar to that cut in DHA No. 1. This zone is tentatively identified as the Mesa Vein. The hole was entirely barren of mineralization.

Drill hole DHA No. 2. was then drilled from a point roughly 35 feet north of the bottom of the shaft in the Lagrima drift. This hole cut a 0.2 foot coarse, silicified, slightly hematite stained quartz and gneiss breccia at a drill hole depth of 28.5 feet. This zone was identified as the Mesa Vein and found to be entirely barren of mineralization.

As of this writing work is being carried on to completely mine out the two orebodies discovered in the North Mesa Adit.

CONCLUSIONS:

1. Three mineralized bodies totalling approximately 600 tons of 0.42% U_3O_8 average grade have been discovered as a result of drifting to the north and south from surface adits at crook (6850) elevation. Two of these bodies have proved commercial in quantity and quality. As of this writing these bodies have been nearly worked out and there is no estimate of remaining ore reserves.
2. No additional mineralization has been found in the diamond drill program or in the exploration mining on the Lagrima vein at the 6768 foot level or associated workings.
3. A body of commercial grade but of unknown extent has been discovered as a result of winzing on the intersection of a cross fault with the Mesa Vein in the South Adit.
4. From observation of the work in the above mentioned winze it is the opinion of this writer that a strong possibility exists that the tight structure followed to the breccia roof in the South Adit is not the Mesa Vein but a secondary associated minor shear. In this event the Mesa vein would probably lay in the wall to the west of the drift.

5. The mineralization discovered in the North Adit is, in the opinion of this writer, the result of the intersection of the so-called Lagrima and Mena Veins. There is no evidence of the conduit at depth in either the workings or the drill holes and a strong possibility exists that the movement of mineralizing solutions was lateral. There is some indication that these solutions moved approximately horizontally from south to north probably along the Mena Fault.

6. Cursory surface examination has indicated the presence of a number of secondary fault or tension shear zones similar to the Mena and Lagrima veins branching from the Rogers Breccia Reef and its extension. On the west side of the reef the stronger shears have a N 10° W to N 35° W strike. To the east of the reef these tension shears have a S 5° E to S 40° E strike. Some success has been had in tracing these shears on the surface radiometrically.

7. The ore mined has been found to contain appreciable percentages of copper occuring as bornite, chalcocite and chalcopyrite. Several geochemical profiles totalling some [illegible] samples were run on the surface across the known orebody in the North Adit. These samples were run for copper, lead, and zinc. Significant anomalies were found in the copper determination ranging from a low background of about 50 parts per million in the wide breccia reef to the east of the ore body to an anomalous average of 160 to 175 parts per million in soil over the body with a maximum of 1200 parts per million in the soil on the radioactive outcrop immediately above the North Stope.

RECOMMENDATIONS:

It is recommended that work be commenced to explore the numerous shears similar to the Mena and Lagrima Veins which occur on either side and between the main branches of the Rogers Breccia Reef. Surface observation of these shears is normally difficult at best. From observations over known ground, it is the opinion of this writer that geochemical profiles with soil samples evaluated for copper content will indicate mineralized bodies of commercial grade and size. These anomalies should be checked and geochemically worked out in detail and core drilled where indicated.

Respectfully submitted,

Franklin A. Seward, Jr. CPE.

Consulting Geologist

Joseph W. Walsh

Joseph W. Walsh

Operator

Mean Minos

Jefferson Co., Colo.

PROPOSAL TO

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FOR STAGE III AND STAGE IV

EXPLORATION WORK, AT THE MENA MINE

JEFFERSON COUNTY, COLORADO

Stage III

Part A.

It is proposed that a reconnaissance geochemical survey be conducted over areas having surface structural indication. This survey shall consist of the taking of soil samples on a staggered 200 foot grid pattern (stations 141 feet apart) which shall be roughly parallel to Rogers fault system extending to a distance of at least 1000 foot on each side of the main breccia reefs where property boundaries permit. The area to be covered by the reconnaissance geochemical survey is indicated on the attached base map. This survey will require approximately 624 stations. Each reconnaissance sample site will be marked by an appropriately numbered 16 inch wooden stake, surveyed in by transit stadia measurement. Horizontal control will be held to an accuracy of within 2.0 feet. At the time of sampling a radiometric scintillometer reading will be made from which an isorad map will be prepared. The soil samples shall be analyzed for copper content by the standard 2' 2' biquinoline method developed by the U. S. Geological Survey. A contour map and appropriate profile maps will be prepared from the resulting data. This survey shall be performed under independent contract. The time required to perform this phase of the survey is estimated to be 15 days surveying and sampling and 15 days chemical analysis or 1.5 months total.

Part B

Upon completion of the reconnaissance survey and subsequent mapping and evaluation of the results a detailed survey will be conducted over any areas showing anomalous copper concentrations in the soil. These detail surveys shall be subject to prior government approval. The purpose of this survey shall be to delineate the extent of possible ore bodies. Detail survey will require stations on from 25 to 50 foot interval. These stations shall be located by chaining between first phase survey points and will not be marked by survey stakes. Prior to detailing any area repeat check stations of any anomalous reconnaissance stations shall be made. A total of 400 detail stations are proposed for this phase of the exploration project. The time required to perform this phase of the survey is estimated to be 5 days sampling and 10 days analysis and mapping.

Fixed Unit Costs

Phase A

Reconnaissance Geochemic survey of 624 locations	$1.10 per station	$686.40

Phase B

Extended geochemical survey of 400 locations	$1.10 per station	$440.00
Estimated total cost		$1126.40

Stage IV

In the event that the Stage III geochemical survey indicates the existence of possible mineralized bodies of commercial grade and extent, a drilling program of a total of 1000 feet of core drilling is proposed. The locations, depths, and attitudes of such diamond drill holes will be determined on the basis of the results of the Stage III geochemical survey subject to the approval of the Defense Mineral Exploration Administration. A program of ten 100 foot holes is tentatively proposed. The operator proposes that a fixed unit cost of $3.25 per foot be allotted and that this unit cost is to include all expense relative to the execution of the Stage IV drilling program. This shall include access and drill site preparation, full length coring with standard EX size diamond drill-core bit, probing, geological logging, suitable boxing of core, sampling and chemical assay analysis, supervision, etc. Any additional costs whatsoever related in any way to the Stage IV drilling program shall be borne by the operator.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/18/58	Krause	700
6-19	Chamber	140
	Long	140
	Sluyter	140
6/23	Lehnige	130
"	Johnson	110
"	Wetherill	100
6/24	C	220
		700

4/23 Zilogpand (130)
6/28 Lamb (130)

JUN 24 1958

Mr. Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Walsh:

Enclosed is a "Certification by the United States of America of a Discovery or Development Under an Exploration Project Contract." This certification covers all the land described in Article 2 of the subject contract.

By the terms of the Exploration Project Contract, as amended, and of the certification, all minerals mined or produced from February 3, 1956, to February 3, 1969, are subject to the Government's percentage royalty as set forth in the contract until the amount contributed by the Government is repaid.

Payments should continue to be made to the Executive Officer, DMEA Field Team, Region III, 224 New Customhouse Building, Denver 2, Colorado. Checks should be payable to the Defense Minerals Exploration Administration. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward the check directly to the Executive Officer. Any bonus payments or allowances received by you from production are considered to be a part of the purchase price to which the Government's royalty applies. Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the products sold, the name of the purchaser, and the price and charges, certified to be correct by the purchaser.

You are requested to notify the Executive Officer of any changes in ownership or production rights that might have any effect on the Government's right to its percentage

8623

royalty. Also, if production ceases at any time for an extended period, please notify the Executive Officer at six-month intervals that no production has been made, when that is the case.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

Copies to:

Oscar Dahlberg, Golden, Colorado
Louis E. Bolés, Golden, Colorado

FLKnouse/gla
6-18-58
cc to: Admr.'s Reading File
Frank E. Johnson
Operating Committee
Frank D. Lamb, Rm. 3608
T. H. Kiilsgaard, Rm. 5224
Field Team, Region III (2)
Contract Adm. & Audit Division
FLKnouse

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/18/58	Evans	700
	Long	140
		~~140~~
6-19	Chambers	800
6/23	Selbridge	130
"	Johnson	110
		100
		220
		700

2 4 1958

Mr. Oscar Dahlberg

Golden, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

6/23 Kilogaard (130)
6/23 Lamb (130)

Dear Mr. Dahlberg:

Enclosed is a copy of a certification of discovery or development, with copy of covering letter to the Operator, which has been issued pursuant to the terms of the above-cited contract.

This correspondence relates to the Consent to Lien and the Subordination Agreement, both signed by you on November 29, 1955. The Government's prior lien on the land and upon any production therefrom will continue in existence for the length of time mentioned in the enclosed copy of the letter to the Operator. You are obligated during that period to commit no act and to assert no claim in conflict with the Government's rights under the agreement signed by you, and to give advance notice of the Government's rights to any transferee or lessee of any part of your interest in the land or the production therefrom.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosures

Identical letter to:
Louis E. Bolés, Golden, Colorado

FLKnouse/gla
6-18-58
cc to: Admr.'s Reading File
Frank E. Johnson
Operating Committee
Contract Adm. & Audit Division
FLKnouse
DMEA FT, Region III (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/18/58	Knouse	700
	Long	140
		140
6-19	Chambers	800
6/23	Jeffrey	130
"	Johnson	110
"	Mittendorf	100
		220
		700
6/23	Kilgaard	(130)
6/23	Lamb	(130)

JUN 24 1958

Mr. Jesse C. Johnson
Director, Division of Raw Materials
Atomic Energy Commission
1717 H Street, N. W.
Washington 25, D. C.

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Johnson:

I am enclosing one copy of a certification of discovery or development relating to the subject exploration contract.

The final reports of the Operator and the Field Team and the final accounting of funds expended on this project have not been completed. Accordingly, we will supply additional information for your records upon receipt of these reports.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

Copy to:
Mr. Elton A. Youngberg
AEC Grand Junction Operations Office

FLKnouse/gla
6-18-58
cc to: Admr.'s Reading File
Frank E. Johnson
THKiilsgaard, 5224
FLKnouse
DMEA Field Team, Region III (2)

8623

May 27, 1958

Memorandum

To: Hazel Berry
Operating Committee

From: Grace L. Ault
Division of Rare and Miscellaneous Metals

Subject: Amendment to contract

Mr. Murphy has reviewed and approved Amendment No. 7, dated May 9, 1958, to Contract Idm-E915, Docket No. DMEA-3919, Joseph W. Walsh, which was executed by the Operator and the Acting Executive Officer, Region III. Mr. Murphy indicates that no further review of the amendment is required by the Legal Division.

/s/

Grace L. Ault

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 24 1958

DATE	INITIALS	CODE
5/26	C	220
		190
		700

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado
May 20, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Enclosed are the following in conjunction with operations under the subject contract:

1. Joint memorandum, dated May 6, 1958, from R. U. King, Geologist, Geological Survey, and W. W. Winkel, Mining Engineer, Bureau of Mines, pertaining to the Operator's request of May 1, 1958 for Government approval for the drilling of Hole No. 4 as provided by Amendment No. 3.

2. Letter from the DMEA Field Team, Region III, to the Operator, dated May 8, 1958, denying the Operator's request to drill hole No. 4 from its surface location as provided for by Amendment No. 3.

3. Two copies of the Operator's letter of May 8, 1958 requesting the Government's approval for the drilling of holes Nos. 2, 3, and 4 from underground positions.

4. The Government's and Audit copies of Amendment No. 7 to the contract, which has been executed to authorize a change of collar locations of drill holes from surface to underground positions.

5. Three copies of a joint memorandum, dated May 19, 1958, from R. U. King, Geologist, Geological Survey, and W. W. Winkel, Mining Engineer, Bureau of Mines, Pertaining to the Operator's request for approval of the underground drilling.

6. Three copies of approval from the DMEA Field Team, Region III, for the drilling of holes Nos. 2, 3, and 4 from underground positions.

Copies of the work denial, Amendment No. 7, and subsequent work approval have been distributed to the Operator, the Finance Office, and others concerned in Region III.

E. N. Harshman

E. N. Harshman

Enclosures

W. O.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

OFFICIAL FILE COPY
DMEA 3
RECEIVED MAY 24 1958
DATE | INITIALS | CODE

IN REPLY REFER TO:
DMEA
DEPARTMENT OF THE INTERIOR
MAY 7 1958
REGION III
DENVER, COLORADO

May 6, 1958

Memorandum

To: Executive Officer, DMEA ~~Field Team, Region III~~
Through: E. N. Harshman

From: R. U. King
W. W. Winkel

Subject: Docket DMEA 3919 (Uranium), Contract Idm-E 915, Joseph W. Walsh (Hoffmeister prospect), Jefferson County, Colorado

In a letter dated May 1, 1958, the operator requested approval to drill Stage II hole no. 4. He states that the information obtained from Stage II holes nos. 1 and 5 proves the existence of two veins below the adit level, and that certain explorations carried out on his own account, that consisted of drifting, etc., on a sub-level, was performed on a hanging wall vein split and not on the Mena vein.

Although two veins are recognized, neither of these veins were significantly mineralized at the places where they were cut by Stage II holes nos. 1 and 5. A total of 1,000 feet of drilling is laid out for Stage II of this contract (amended) distributed in five tentatively located surface core drill holes. Three tentatively located holes remain in the program, which if drilled according to the contract, would intersect the Mena vein at 75-foot centers along strike and 100 feet down dip from the adit level, and would adequately explore the vein for uranium.

In view of the existence of the drift (elev. 6,760 ft.) 30 to 50 feet in the hanging wall of the Mena vein, it is recommended that the unexplored part of the Mena vein between holes 1 and 5 be explored by core drill holes from underground locations in this drift. A substantial reduction in total drilling footage would result from making use of the existing workings.

During a conference with the operator's Supervising Engineer, the feasibility of drilling from underground locations was discussed, and he indicated that such drilling could be done at no increase in costs per foot, and no charges for drill site preparation because the shortened holes would require not more than 5-foot drill rods.

It is recommended that the applicant's request for approval for drilling hole no. 4 be denied. It is recommended, however, that favorable consideration be given to substituting three holes from underground location, for the three holes designated in the contract, and designed to intersect the Mena vein in the same locations.

R. U. King, Geologist

W. W. Winkel, Mining Engineer

RUKing:arh

RECE 4

224 New Customhouse
Denver 2, Colorado
May 8, 1958

Mr. Franklin A. Seward, Jr.
Supervising Engineer for
Joseph W. Walsh
1403 - 20th Street
Golden, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. I6m-2915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Seward:

Reference is made to your letter of May 1, 1958, wherein you request the Government's permission to drill hole No. 4 as initially provided for by Amendment No. 3.

The existence of 100-foot level workings driven on another vein by the Operator at his sole expense, which lie from 30 to 50 feet in the hanging wall of the Mena vein, indicates a more economical location for the balance of the holes which were provided for by Amendment No. 3. Therefore, your request for permission to drill hole No. 4 from the surface is denied.

Holes drilled from the underground workings toward the original objectives of the three remaining holes would save approximately 150 feet of drilling per hole. Therefore, should you favor underground locations for the remaining holes, we suggest that an appropriate request for Government approval of the underground hole locations be submitted for the consideration of this office.

Very truly yours,

DMEA Field Team, Region III

By E. N. Harshman
E. N. Harshman

By J. W. Townsend
J. W. Townsend
Acting Member

cc: Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

JWT:prl
cc: Chmn. Op. Comm. (3)
Finance Office, Reg. III
Amendment file, Reg. III
Harshman
DMEA/DFC (Winkel)
Townsend
Corres. file
Chron.

W.O.

Franklin A. Bovard,
CONSULTING GEOLOGIST - ENGINEER
GR 9-2217
1023 ROCK STREET
GOLDEN, COLORADO

May 8, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED
DATE

Executive Officer
Defense Minerals Exploration Administration
224 New Customs House
Denver 2, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm - 915
Joseph V. Walsh, Operator
Mena Mine (Hoffmeister prospect)
Jefferson Co., Colorado

Dear Sir:

This is to request permission to drill holes numbers 2, 3, and 4 under DMEA Project Contract No. Idm. E-915, Docket No. DMEA 3919, as amended, with the following revisions of locations and attitudes.

All three holes are to be located in the subsurface drift on the Lagrima vein of the 6765 ft. elevation.

Hole Number	Distance Base A	Bearing from Base A	Elev. of collar	Bearing of hole
2	95'	N23°W	6765	N60°W
3	84'	N23°W	6765	S15°W
4	10'	N61°E	6765	S8°W

Hole	Inclination of hole	Estimated Max length
2	- 29°	75'
3	- 25°	75'
4	- 22°	75'

[illegible] designed to intersect the Mena vein at least 75 feet [illegible]viously drilled hole or from exploration workings on [illegible] elevations of approximately 6845 to 6850 feet.

Very truly yours

Franklin A. Bovard, Jr. Ph.D.
Supervising Engineer, Mena Mines
for Joseph V. Walsh, Operator

[illegible]

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 24 1958
DATE | INITIALS | CODE

DMEA
DEPARTMENT OF THE INTERIOR

MAY 20 1958
REGION III
DENVER, COLORADO

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
May 19, 1958

Memorandum

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

From: R. U. King and W. W. Winkel

Subject: Docket DMEA 3919 (Uranium) Contract Ida-8915,
Joseph W. Walsh (Hoffmeister Prospect-Mena mine)
Jefferson County, Colorado

In a letter dated May 1, 1958 the operator requested approval to drill Stage II hole No. 4. He also stated that completed holes Nos. 1 and 5 proved the existance of two veins below the adit level; however, neither of these veins were significantly mineralized where cored by Stage II holes Nos. 1 and 5.

In a joint memorandum dated May 6, 1958 it was recommended that the unexplored part of the Mena vein between completed holes Nos. 1 and 5 be explored by drill holes from underground locations in the 6765 elevation drift. A considerable reduction in drilling footage would result from making use of the existing workings.

It was agreed with the managing geologist that underground drilling would be feasible, and could be accomplished at no extra cost per foot of hole nor extra charge for drill site preparation.

In a request dated May 8, 1958 the operator requests permission to drill Stage II holes Nos. 2, 3, and 4 from drift 6765 at drill sites shown on a geologic map submitted with the request. The locations designated for holes Nos. 2 and 3 are adjacent to the shaft station for the purpose of avoiding most of the underground drill station preparation and to allow ample clearance for 10 foot drill rods. The collar locations of holes 2 and 3 involves drilling excess footage at an acute angle to the indicated strike of the Mena vein and increases the total footage for these two holes by 43 percent.

It is recommended that drill holes Nos. 2 and 3 be collared and drilled on the bearings shown on the following chart and the accompanying sketch map of "Underground Drill Hole Locations."

Hole No.	Dist. From Base "A"	Bearing From Base "A"	Elev. Collar	Drill Hole Bearing
2	127'	N. 24 W.	6765	S. 80 W.
3	44'	N. 33 W.	"	S. 70 W.
4	18'	N. 64 E.	"	S. 16 W.

Each hole is located to intersect the Mena vein at least 75 feet from any previously drilled hole.

R. U. King
Geologist

W. W. Winkel
W. W. Winkel
Mining Engineer

cc: 9
1Em-8915
ehron

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 24
DATE | INIT.

224 New Customhouse
Denver 2, Colorado
May 20, 1958

Mr. Franklin A. Sawyer, Jr.
Supervising Engineer
Ken Mines
1463 - 20th Street
Golden, Colorado

Re: Project No. ERDA 3919 (Uranium)
Contract No. Ilm-3913
Joseph W. Walsh
(Bellmeister Prospect)
Jefferson County, Colorado

Dear Mr. Sawyer:

In reference to your letter of May 8, 1958 requesting the Government's approval for the drilling of holes 2, 3, and 4 from underground collar locations, this constitutes the Government's approval for the drilling of the holes from underground locations from the 100-foot level workings at elevations of 6,765 feet as follows:

Hole No.	Hole to be Directed Bearing	Inclination
2	S 80° W	-20°
3	S 70° W	-20°
4	S 16° W	-20°

The underground locations of the three above approved holes are indicated on the map entitled, "Underground Drill Hole Locations Ken Mine Jefferson County, Colorado ERDA - 3919 - Contract Ilm-3913," dated May 16, 1958, which is attached hereto and made a part of this work approval.

In conjunction with the foregoing, enclosed is the "Operator's Copy" of Amendment No. 7, which has been executed to change the collar locations of the drill holes from surface to underground positions.

Nothing in this work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Enclosure
cc: Chem. Op. Comm. (3)
Finance Office, Region III
Amendment File, Region III
[illegible]
[illegible] (Winkel)
Corres. File
Inventory
Chron.

Very truly yours,

ERDA Field Team, Region III

By E. M. Henderson
E. M. Henderson

By J. V. Sammond
J. V. Sammond
Acting Member

cc: Mr. Joseph W. Walsh

224 New Customhouse
Denver 2, Colorado
May 13, 1958

5/16 C 220
5/17 800
~~700~~

Mr. Joseph W. Walsh
4925 Montview Blvd.,
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract Idm-8915
Joseph W. Walsh
(Hoffmeister Prospect,
Mina Mine)
Jefferson County, Colorado

Dear Mr. Walsh:

Form MF-104, Operator's Monthly Report and Voucher, for April, 1958, has been received in this office and is being processed for payment.

The amount of $500.00 which was withheld from reimbursement to you in processing the September, 1956 Voucher is reinstated and a like amount is withheld pending performance of additional work under the contract. If additional work is not approved by the Government, and performed by you the amount of $500.00 shall continue to be withheld pending resolution of matters prerequisite to closing the account, of which you will be advised at the appropriate time.

Yours very truly,

Original signed by
E. N. HARSHMAN

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

JDC:hmh

cc: Chmn. Op. Comm. (2)
Harshman
DMEA/DFC
Townsend
Corres.file, Reg. III
Chron

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 12 1958

224 New Customhouse
Denver 2, Colorado

May 9, 1958

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Your check for $124.47 has been credited to your royalty account as follows:

Liq. No.	Tons	Royalty Due	Royalty Paid
3023	55.959	$84.18	$84.18
3073	45.510	$40.29	$40.29

The matter of delinquent royalty, brought to your attention by letters dated March 4, 1958 and April 10, 1958, respectively, is considered as resolved.

Very truly yours,

Original signed by
E. N. HARSHMAN

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

MHM:jy
cc: Sec. Op. Comm. (2)
DMEA,DFC (2)
Corres. File
Royalty File
Townsend
Chron.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 5 1958

DATE	INITIALS	CODE
5/5		
5/5		8CO

224 New Customhouse
Denver 2, Colorado
May 2, 1958

Memorandum

To: E. N. Harshman - w/enclosure
DMEA/DFC (Winkel) - " "

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

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Enclosed is copy of a letter from the Operator, dated May 1, 1958, requesting the Government's approval to drill Stage II hole No. 4 at the same location, direction, and inclination as indicated in Amendment No. 3 to the subject contract.

Please forward to this office a joint memorandum containing your recommendations in the matter.

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

JDC:prl

cc: Chmn.Op.Comm.-2) w/copy of
Corres. file) enclosure.
Townsend
Chron.

[illegible] Mex Division 8-[illegible]
[illegible]
[illegible]

DMEA
DEPARTMENT OF THE INTERIOR
MAY 2 - 1958
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 5 1958

DATE	INITIALS	CODE

Executive [illegible]
Defense Minerals Exploration Administration
[illegible] Grubbs [illegible]
Denver, Colorado

Dear Sir:

Reclassification is hereby requested on drill hole no. 4 as initially provided for under Amendment no. 2 to Exploration Project contract No. DMEA-5 [illegible], Docket No DMEA-[illegible].

Diamond drill holes no. 1 and 3 have proved conclusively that the [illegible] vein outcrop [illegible] on the [illegible] vein and not on the [illegible] vein. [illegible] about ninety of the [illegible] foot elevation.

Hole no. 4 is [illegible] collar location as no. 1 and is directed [illegible] vein [illegible] inclination of -45°. It is anticipated that [illegible] vein on strike (elev. 5760') will [illegible] of the intersection of main [illegible] the vein.

Very truly yours,

Franklin O. Seward, Jr.

Franklin O. Seward, Jr.
Division Engineer
[illegible] Operator

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado
April 11, 1958

ORIGINAL DOCUMENT
DMEA
RECEIVED APR 14 1958
DATE | INITIALS | CODE
4/15 | | 220
" | Murphy | 700

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Enclosed are three copies of confirmation of verbal work approval issued by the DMEA Field Team, Region III.

Also enclosed are two copies of the Operator's request, dated March 22, 1958, and three copies of a joint memorandum, dated April 9, 1958, from W. W. Winkel, Mining Engineer, Bureau of Mines, and R. U. King, Geologist, Geological Survey, pertaining to the matter.

Copies of the confirmation of verbal work approval have been distributed to the Operator, the Finance Office, and others concerned in Region III.

E. N. Harshman

E. N. Harshman

Enclosures

EXTRA COPY
DMEA
RECEIVED APR 14 1958

DATE	INITIALS	CODE

224 New Customhouse
Denver 2, Colorado
April 11, 1958

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm-3915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

In reference to Mr. Seward's letter of March 22, 1958, this constitutes confirmation of verbal approval given by the Government on March 24 and April 8, 1958 for the drilling of holes numbers 1 and 5, as provided for by Amendment No. 3 as amended by Amendment No. 6. The holes will be drilled at the approximate locations indicated on the map attached to and made a part of Amendment No. 3 and will be directed on the bearing and at the inclination indicated therefor in Amendment No. 3.

The objective of the two holes is to explore for and cut the Mesa vein at depth and it is estimated that the holes will each be approximately 200 feet in length.

Nothing in this confirmation of verbal work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Very truly yours,

DMEA Field Team, Region III

By E. N. Harshman
E. N. Harshman

By J. W. Townsend
J. W. Townsend
Acting Member

cc: Mr. Franklin A. Seward, Jr.
Consulting Geologist
1403 - 20th Street
Golden, Colorado

JWT:prl
cc: Chmn. Op. Comm. (3)
Finance Office, Reg. III
Amendment file, Reg. III
Harshman
DMEA/DFC (Winkel)

cc: Corres. file
Townsend
Chron.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
APR 10 1958
REGION III
DENVER, COLORADO

OFFICIAL FILE COPY
DMEA
RECEIVED APR 14 1958
DATE | INITIALS | CODE

April 9, 1958

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: E. N. Harshman

From: W. W. Winkel
R. U. King

Subject: DMEA Docket No. 3919 (Uranium), Contract No. Ida-E 915, Joseph W. Walsh, Operator, Mena mine (Hoffmeister prospect), Jefferson County, Colorado

The operator of the subject contract project, in a letter dated March 22, 1958, requested approval of certain revisions in the drilling program under Stage II. The proposed revisions in Stage II drilling are based on an evaluation of Stage I exploration and subsequent shafting and mining performed on his own account during contract recess; they consist of changes in bearing and inclination of two holes, and deferral of two holes pending further evaluation.

Stage I exploration consisted of 400 feet of drifting in two adits and resulted in the discovery of two uranium ore shoots, one in the north adit, and one at the portal of the south adit. Subsequent mining performed by the operator solely at his own expense consisted of a 90-foot shaft, 150 feet of drifting from the bottom of the shaft and about 70 feet of raising at two locations along the drift south of

the shaft. The drift (elev. 6,865) and raises follow a Cu-Ag bearing vein that strikes from NW to north and dips 53° east. The position of the vein in the drift at elevation 6,765 feet falls within 5 feet, at one point, of the position of the Mena vein projected to that elevation from the adit. Although the dip and strike of the vein in the drift diverge somewhat from the Mena vein, these changes are no greater than those that occur in the exposed parts of the Mena vein on the surface and in the north and south adits.

The operator's managing geologist concludes that the Cu-Ag bearing vein discovered in the lower workings is a separate vein or a hanging wall split of the Mena vein and has named it the Lagrima vein. Factual data to substantiate this interpretation, however, is not yet available. Such data could readily be obtained by crosscutting westward from the drift for from 5 to 30 feet. To date the operator has not indicated his interest in performing this work.

We conclude that sufficient evidence has not been presented to justify the changes requested in the operator's letter of March 22, 1958, and recommend approval at this time of holes nos. 1 and 5 without changes from their approved locations as follows:

Hole no. 1: bearing S 75° W, inclination--67°, estimated maximum length 200 feet.

Hole no. 5: bearing S 33° W, inclination--45° estimated maximum length 200 feet.

We recommend that approval of holes 2, 3, and 4 be deferred pending evaluation of results of the above two recommended holes.

Verbal approval to drill hole no. 1 was given the operator on March 24, 1958, and verbal approval given to drill hole no. 5 was given on April 8, 1958.

W. W. Winkel
Mining Engineer

R. U. King
Geologist

RUKing:mp

FILE COPY
DMEA
RECEIVED APR 14 1958
DATE | INITIALS | CODE

~~Mr.~~ xxx CRestview 9-2217
1403 20th Street
~~xxxxxxxx xxxxxx~~
Golden, Colorado

March 22, 1958

DMEA
DEPARTMENT OF THE INTERIOR
MAR 24 1958
REGION III
DENVER, COLORADO

Executive Officer
Defense Minerals Exploration Administration
224 New Customs House
Denver 2, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm E-915
Joseph W. Walsh, Operator
Mena Mine (Hoffmeister prospect)
Jefferson County, Colo.

Attn: Mr. Townsend

Dear Sir:

This is to request approval to commence work on the second stage drilling program under Amendments #3, and #4 to Contract No. Idm E-915, Docket No. DMEA-3919, with the following revisions, as of March 25, 1958:

Diamond Drill Hole

#1 -	-	- No change requested
#2, #3	-	- request action be deffered pending further geologic evaluation.
#4 -	-	- Inclination increased from -45° to - 60°
#5 -	-	- Bearing of hole changed from S33°W to S17°W and inclination increased from -45° to -70°.

The above results are requested as the result of further underground exploration and geologic evaluation subsequent to the program as proposed in Amendment No. 3, dated April22, 1957.

Transit survey and geologic examination have indicated that the drift and stope from the 100 foot level are not on the Mena vein which has been mineralized and mined in the drifts and stopes from the surface adits.

Drill hole #1, is not affected by the results of mining operations carried out subsequent to the original drilling proposal and no change in attitude or location is requested.

Drill holes #2 and #3 would pass through or immediately below the new workings on the Lagrima vein. While these holes in their present attitudes might be used to evaluate the more steeply dipping Mena vein, it is believed that more efficient use may be made of them through further geologic evaluation and it is therefore requested that final selection of location and attitude be temporarily defered.

Drill holes #4 and #5 are located as originally proposed but it is requested that the inclination of #4 be increased to -60° and the bearing of #5 be changed to S17°W and the inclination increased to -70°. The rake (southeasterly trending) of the mineralized structure in the Mena vein as originally projected by U. S. Geological Survey geologists has been strucurally indicated in the workings on the Lagrima vein. The change in attitudes of these two drill holes is designed to cause them to intersect the veins in this potentially more favorable area.

The accompanying map and cross sections indicate the changes requested.

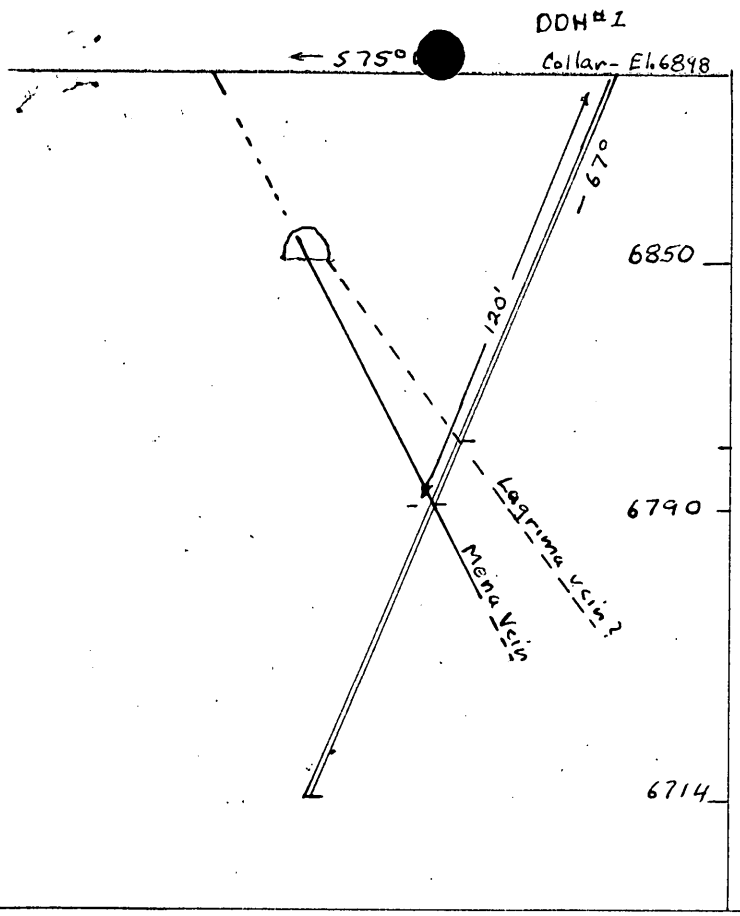
Respectfully submitted,

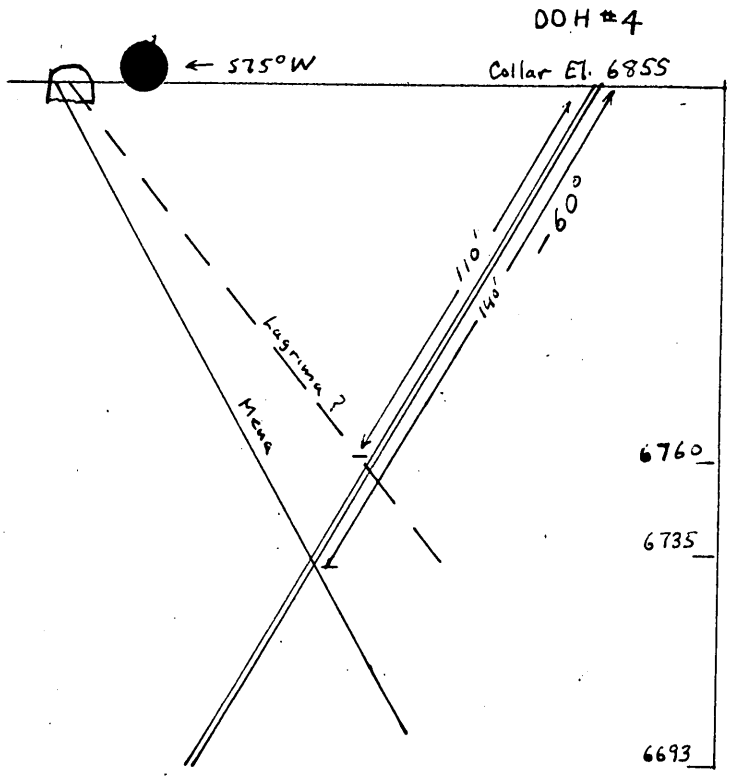
Franklin A. Seward, Jr.

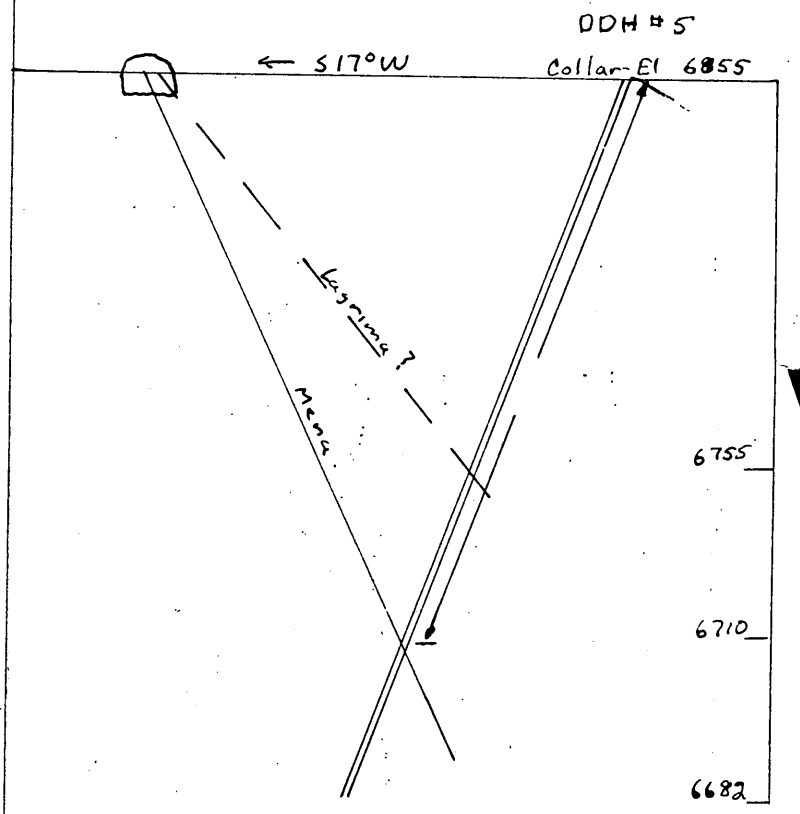
Franklin A. Seward, Jr., GpE.
Geologist and Supervising Engineer

For: Joseph W. Walsh, Operator

2 Enc.
cc: J. W. Walsh
FAS/os







Mena Mine
Jefferson Co., Colo.
Proposed Drill Holes in Section
Scale: 1" = 50' F.A.S.
March 22, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED APR 14 1959

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado
April 10, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED APR 14 1958

DATE	INITIALS	CODE
4/15	[illegible]	220
	[illegible]	700

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh, (Hoffmeister Prospect) Jefferson County, Colorado

Enclosed are two copies of a letter dated April 3, 1958, from the subject Operator, advising that Franklin A. Seward, Jr., is authorized to act as agent for the Operator.

From our discussions with the Operator and Mr. Seward, we understand that Mr. Seward is to supervise the project work, prepare the narrative section for monthly reports and to submit requests for work approval. All other matters pertaining to the contract will be handled by the Operator himself.

E. N. Harshman

E. N. Harshman

Enclosure

DMEA
DEPARTMENT OF THE INTERIOR
APR 8 - 1958
REGION III
DENVER, COLORADO

4925 Montview Blvd.
Denver, Colorado
April 3, 1958

FILE COPY
DMEA
RECEIVED APR 14 1958

DATE	INITIALS	CODE

Executive Officer, DMEA
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA-3919 (Uranium)
Contract Idm-E-915
Joseph W. Walsh
Hoffmeister ~~Prosspet~~
Jefferson County, Colo.

Dear Sir:

This is to advise you that I have designated Mr. Franklin A. Seward, Jr., CpE to act as Agent for me in all matters pertaining to this Contract except the actual signing of any Amendments that might arise concerning the Contract.

Very truly yours,
Joseph W. Walsh
Joseph W. Walsh

1 - Original
5 - Copies
cc: F. A. Seward, Jr.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 14 1958

DATE	INITIAL	CODE
4/15	D	220
4/18	[illegible]	900
"	[illegible]	[illegible]

224 New Customhouse
Denver 2, Colorado

April 10, 1958

CERTIFIED MAIL

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket DMEA 3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Enclosed is a photo copy of our letter to you, dated March 4, 1958, for which we have received no reply.

To protect the Government's interest, further reimbursement to you for the Government's portion of the costs of work performed under the contract will be withheld until the matter of delinquent royalty is resolved.

Very truly yours,

Original signed by
E. N. HARSHMAN

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

Enc.
MHM:bh
cc: Sec. Op. Comm. (2)
DMEA/DFC (2)
Corres. File
Royalty File
Townsend
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado
April 8, 1958

FINAL FILE COPY
DMEA
RECEIVED APR 14 1958
FILE CODE
4/15 220
" 700
" 700
4/17 700

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect) Jefferson County, Colorado - Progress Report for March 1958

Enclosed is a letter dated April 4, 1958, from the subject Operator, concerning progress under the contract during March, 1958.

As only a small amount of work was completed during the period this work will be included on voucher and accounting Forms MF-104 and MF-104A for April, 1958.

E. N. Harshman

E. N. Harshman

Enclosure

DMEA
DEPARTMENT OF THE INTERIOR
APR 8 - 1958
REGION III
DENVER, COLORADO
14 1958

4925 Montview Blvd.
Denver 7, Colorado
April 4, 1958

Executive Officer, DMEA
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA-3919 (Uranium)
Contract Idm-E-915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Sir:

The bulldozing work was the only work completed under this Contract during the month of March, 1958. As this was a very limited and small amount of work no reports for the month of March 1958 will be submitted to you. Instead this bulldozing work will be included in all of the reports of the month of April, 1958.

Very truly yours,

Joseph W. Walsh

Joseph W. Walsh
Operator

1 - Original
5 - Copies
cc; F. A. Seward

April 8, 1958

Memorandum

To: Hazel Berry, Operating Committee

From: Irene Z. Mainster, Code 700

Subject: Clearance for Amendment No. 6
Docket No. DMEA-3919
Contract No. Idm-E915
Joseph W. Walsh

Mr. Knouse has reviewed and approved the above amendment, dated March 26, 1958, and has indicated no further review is required by the Legal Division.

Irene Z. Mainster

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado
April 1, 1958

DMEA
RECEIVED APR 4 1958
DATE | INITIALS | CODE
4/4 | C | 220
| | 130
~~4/7~~ | ~~T.L.R.~~ | ~~700~~

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Enclosed are the Government's andAudit copies of Amendment No.6 to Contract No. Idm-E915, which has been executed to modify, in part, the description of drilling to be performed under Stage II of the contract, in order to provide necessary leeway in the location and attitude of the drilling to fit conditions encountered as the work progresses.

Also enclosed are two copies of the Operator's letter of March 25, 1958 requesting the amendment.

Copies of the amendment have been distributed to the Operator, the Finance Office, and to others concerned.

E. N. Harshman

E. N. Harshman

Enclosures

DMEA
DEPARTMENT OF THE INTERIOR
MAR 26 1958
REGION III
DENVER, COLORADO
DMEA
RECEIVED APR 4 1958

4925 Montview Blvd.
Denver 7, Colorado
March 25, 1958

Executive Officer, DMEA
Field Team, Regional III
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA-3919 (Uranium)
Contract Idm-E-915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Sir:

May I first quote from Amendment No.3, Item 3, Paragraph 3, of this Contract, the following:

" The depths, directions, and inclinations that these holes shall be drilled are as follows:

Hole No.	Direction	Inclination	Depth Feet
1	S 75 Deg.W	-67 Deg.	200
2	S 78 Deg.W	-45 Deg.	200
3	S 35 Deg.W	-45 Deg.	200
4	S 75 Deg.W	-45 Deg.	200
5	S 33 Deg.W	-45 Deg.	200

Since April 22, 1957, the date of this Amendment, I have completed extensive underground exploration work on this property as my map submitted to you as of March 22, 1958 indicates. As a result of this underground work on my part directions, inclinations and depths of above listed drill holes are not exactly located to desireable locations.

As a result I would like to request that I be provided with a leaveway on these drill holes in order that they might be somewhat varied so that better drilling results might be accomplished. Also I request that I be permitted to drill five holes not to exceed an aggregate total depth of 1000 feet.

This request to Amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, or the fixed unit cost of any item of work.

Very truly yours,
Joseph W. Walsh
Joseph W. Walsh
Operator

FRANKLIN A. SEWARD, JR.
GEOLOGIST . GEOPHYSICAL ENGINEER
XXXXXX PHONE XXX CRestview 9-2217
1403 20th Street
Golden, Colorado
March 29, 1958

4/4 C 220 700

DMEA
DEPARTMENT OF THE INTERIOR
APR 1 - 1958
REGION III
DENVER, COLORADO

Executive Officer
Defense Minerals Exploration Admin.
224 New Customs House
Denver 2, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm-E-915
Joseph W. Walsh, Operator
Mena Mine (Hoffmeister prospect)
Jefferson Co., Colorado

Dear Sir:

This will inform you that work was commenced on the second stage drilling program of the above named contract under verbal approval of Mr. R.U. King, USGS DMEA field team, on March 29, 1958.

Very truly yours,

Franklin A. Seward Jr.

Franklin A. Seward, Jr.
Supervising Engineer
for: Joseph W. Walsh, Operator

4-2-59 copies distributed to
Chm Op Comm (2)
Hershman
DMEA, DEC
Townsend
Corres. file

224 New Customhouse
Denver 2, Colorado
March 26, 1958

3/28 FILE

Mr. Joseph W. Walsh
4985 Mountview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Enclosed are the Government's, Audit, Operator's, Finance Office, and Field Team copies of proposed Amendment No. 6, to Contract No. Idm-E915, which has been prepared in reference to your letter of March 25, 1958, to modify the description pertaining to the depths, directions, and inclinations of holes to be drilled under Stage II of the Contract.

If the Amendment is satisfactory, all copies are to be signed by you as indicated and all copies promptly returned to this office; upon receipt of which and after signature by the Executive Officer, DMEA Field Team, Region III, for the Government, the "Operator's Copy" will be returned to you.

Very truly yours,

Original signed by
E. N. HARSHMAN

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

Enclosures

JWT:prl

cc: Chmn. Op. Comm. (2)
Harshman
DMEA/DPC (Winkel)
Gerres. file
Townsend
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

RECEIVED MAR 19 1958

DATE	INITIALS	CODE
3-19	C	220
3/19	~~FLR~~	700

March 17, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Enclosed are the Government's and Audit copies of Amendment No. 5 to Contract No. Idm-E915, which was forwarded by your letter of March 10, 1958 for signature by the Operator.

Also enclosed are two copies of a letter from this office to the Operator, of this same date, whereby we forwarded the "Operator's Copy" of the Amendment and called attention to the provisions under items 4 and 4(a) of the Amendment relative to resumption and completion of the work.

Copies of the Amendment have been distributed to the Finance Office, Region III, and to others concerned.

W. H. King

W. H. King

Enclosures

224 New Customhouse
Denver 2, Colorado

March 17, 1958

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Enclosed is the "Operator's Copy" of Amendment No. 5 to Contract No. Idm-E915, which has been executed to extend the date fixed for completion of the work to June 30, 1958 and to provide for suspension of operations to end not later than April 1, 1958.

Your attention is specifically directed to the provisions of items 4 and 4(a) of the Amendment regarding resumption and completion of the balance of work provided for in the Contract.

As discussed with you some time ago on your visit to this office, a prerequisite to commencing the drilling under Stage II is the rendering by you of a request for the Government's approval of such drilling as you wish to perform. Since your request has not been received to date, the matter should be expedited if you intend to commence work on or before April 1, 1958.

Very truly yours,

Original signed by
W. H. KING

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

Enclosure

JWT:prl
cc: Chum. Op. Comm. (2)
Harshman
DMEA/DFC (Winkel)
Corres. file
Townsend
Chron.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/13/58	Ching	700
2/14	[illegible]	700
2/14	Talbot	800
2/14	Martin	130
3/4	Johnson	110
"	Bartendorf	100
3/10	C	220
		700

MAR 10 1958

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. King:

In accordance with our teletype of January 31, we are enclosing the original and four copies of a proposed Amendment No. 5 to the subject contract, signed by the Administrator. Also enclosed are two extra copies of the amendment for the use of the Field Team.

If you and the Operator find the proposed amendment in order, please have it executed as indicated and make the usual distribution thereafter.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (GB)

Enclosures

MChing/gla
2-13-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
MChing

APPROVED:

Frank D. Lamb (GB)
Member, Bureau of Mines

Thor H. Kiilsgaard (GB)
Member, Geological Survey

8623

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. [redacted]		3-6
2. [redacted]		
3. " 130		
4. " 110 " 100		
5. " 220 " 700		
FROM: Ernest Wm. Ellis, Code 700		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

DME FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. Mr. Long, Legal Div. Rm. 6042		3-4
2. Code 120, ~~Room 4459~~		
3. ~~MR. KNOUSE~~ ROOM 4441		
4.		
5.		
FROM: Code 700, Ernest Wm. Ellis		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

Per your telephone conversation with

Mr. Knouse 3-4-58.

RECEIVED

MAR 5 1958

ASSOC. SOLICITOR
MINERAL RESOURCES

INT.-DUP. SEC., WASH., D.C. M8278

Government's copy

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA-3919

AMENDMENT NO. 5

It is agreed this ___ day of _____, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Joseph W. Walsh, hereinafter called the "Operator," that Exploration Project Contract No. Idm-E915, Docket No. DMEA 3919, dated February 3, 1956, hereinafter called the "Contract," as amended, is further amended as follows:

1. The date fixed by Amendment No. 4 for completion of the work is extended from November 1, 1957, to June 30, 1958.

2. (a) Work under the Contract shall be suspended during the period beginning September 10, 1957, and ending not later than April 1, 1958.

(b) The Government shall not contribute to any costs incurred by the Operator during the period of suspension, nor to any costs of rehabilitation or repair which in its opinion would not have occurred if there had been no suspension of work.

(c) The Operator at his own cost and expense, without contribution by the Government, during the period of suspension shall preserve and protect the project work.

3. The maximum period for royalty payments and the lien to secure the payment thereof, provided for in the Contract, is increased from twelve (12) to thirteen (13) years.

4. It is of the essence of this Contract that the work be resumed on or before the termination of the period

FORM 6 REFERENCE SLIP

12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

	INITIALS	DATE
1.		
2. ~~Mr. Eckes~~		
3. ~~Room 4445~~		
4. Mr. Chiu (Kuanna)		
5.		

FROM: **FRANK E. JOHNSON**

FOR: Check items for action desired

____ Action ____ Reply for signature of ____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

(1) I talked to Frank re this. He thought a pseudo certification was in order.

(2) The starting date (Jul 1, and completion date June 30, may not be appropriate because of elevation (6900 ft.) and severe weather conditions. Last year operator couldn't start till September.

MC.

. SEC., WASH., D.C. M8278

Mr. Ellis

Project has been initiated since 10/1/56. As we told the committee, there are no that may not be significant. We should have these known recommendations as, & information requested by Friday 12/4/57, here, subject comments. Pres obly ok

Mr. Johnson

2(b) should end after supervision. The last clause infers that we might contribute to certain Rprs. & Rehab.

2(c) should end after "work". We have no interest in any property

I have summarized, but, if rewritten, these should be corrected.

Talbot
2/14/58

Wit ok

Process ever should be ongoing as it is an instrument. Changes reflecting audit should be made.

J.E.J.

(c) The Operator at his own cost and expense, without contribution by the Government, during the period of suspension shall preserve and protect the project work, and any property in which the Government has an interest.

3. The maximum period for royalty payments and the lien to secure the payment thereof, provided for in the Contract, is increased from twelve (12) to thirteen (13) years.

4. It is of the essence of this Contract that the work be resumed on or before the termination of the period

Government's copy

EXPLORATION PROJECT CONTRACT
JOSEPH W. WALSH
DOCKET NO. DMEA-3919

AMENDMENT NO. 5

It is agreed this ___ day of _____, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Joseph W. Walsh, hereinafter called the "Operator," that Exploration Project Contract No. Idm-E915, Docket No. DMEA 3919, dated February 3, 1956, hereinafter called the "Contract," as amended, is further amended as follows:

1. The date fixed by Amendment No. 4 for completion of the work is extended from November 1, 1957, to June 30, 1958.

2. (a) Work under the Contract shall be suspended during the period beginning September 10, 1957, and ending not later than April 1, 1958.

2/14/58

NOTE:

Item 4, page 1, first line, in my opinion should read: "It is of the essence of this Amendment...." rather than "this Contract." I could not get Legal to change it, however.

EWE

Operator at his, p. 1
WSM

DMEA 1/39/9

Mr. Ellis -

Project has been suspended since 10/1/56. A small discovery was made but may not be significant. We should have Harshman's recommendation as to certification requested by King 12/4/57, before sending amendment. Possibly a pseudo-certificate should be incorporated in amendment. Changes suggested by Audit should be made.

FEJohnson

224 New Customhouse
Denver 2, Colorado

March 4, 1958

ORIGINAL FILE COPY
DMEA
RECEIVED MAR 6 1958
DATE | INITIALS | CODE
3-6 | C | 220
3/7 | [illegible] | 800
" | FLK | 700

Joseph W. Walsh
25 Montview Boulevard
Denver 7, Colorado

Re: Docket DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

A check of AEC production records indicates that 490 tons of production subject to DMEA royalty has been produced from the land described in the above-captioned contract. Our records indicate that royalty has been paid on only 332.6 tons of production.

We will appreciate your providing this office with three copies of the settlement sheets and royalties for the unreported production.

Very truly yours,

Original signed by
W. H. KING

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

MHM:jy
cc: Sec. Op. Comm. (2)
DMEA,DFC (2)
Corres. E915
Royalty File
Townsend
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 3 1958

DATE	INITIALS	CODE
3/3	C	220
		130
3/4	KLR	700

VIA AIR MAIL

February 27, 1958

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Hoffmeister Prospect (Mina mine), Jefferson County, Colorado

Enclosed are the original and two copies of a joint memorandum, dated February 25, 1958, from R. U. King, Geologist, Geological Survey, and W. W. Winkel, Mining Engineer, Bureau of Mines, which was forwarded in reference to your teletype of February 24, 1958 and prior communications relative to a proposed amendment to the subject contract.

The field examiners state that A.E.C. records disclose production aggregating 490 tons which is the result of work under the DMEA contract. Our records indicate royalty has been paid on an aggregate of 332.64 dry tons.

In discussing the matter with the field examiners, it was learned that there may be additional production of a small tonnage from the same source. However, there is no firm basis for estimating the extent or grade at this time.

As a matter of policy, if you consider the extent of production to date to be sufficient to support the issuance of a regular Certification of Discovery or Development at a later date, then it appears that including provisions of a psuedo certification in the proposed amendment would be unnecessary. However, if you deem a psuedo certification to be necessary to protect the Government's interest, inclusion of such in the proposed amendment has the concurrence of this office.

W H King
W. H. King

Enclosures

WO

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
FEB 26 1958
REGION III
DENVER, COLORADO

February 25, 1958 WRK

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 3 1958

DATE	INITIALS	CODE

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: E. N. Harshman

From: R. U. King
W. W. Winkel

Subject: DMEA Docket 3919 (Uranium), Contract Idm-E 915, Hoffmeister prospect (Mina mine), Jefferson County, Colorado

This replies to your telephone request of February 25th, and memorandums of December 4, 1957, and January 27, 1958, regarding certification of the above referenced contract and a proposed extension of suspension of operations of the subject contract, and possible insertion of psuedo certification in the proposed contract amendment.

We believe that sufficient tonnages of uranium ore were discovered as the result of DMEA work to meet the requirements for issuance of a certification of discovery, and therefore recommend that psuedo certification not be inserted in future contract amendments.

Production from the property (Mina mine) according to the U. S. A. E. C. amounts to 434 tons at 0.26 percent U_3O_8, and 56 tons at 0.07 percent U_3O_8.

The operator reported recently (oral communication--Mr. Joe Walsh) that he had discovered additional copper-silver ore in the workings from the 100-foot shaft he sank on his own account.

Robert U King
R. U. King
Geologist

for H. M. Connors
W. W. Winkel
Mining Engineer

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/24	Knouse	700
2/24	Ellis	700
2/24	GCS	130
"	Johnson	110
"	Hillendahl	100
		242
2/25	C	220
		700

2/24 Lamb (130
2/24 Kiilsgaard (130

FEB 24 1958

Dept. of the Interior

DMEA
14X4401(01) Revolving Fund,
Defense Production Act,
Interior (Transfer to Office of
Secretary)

T E L E T Y P E

W. H. KING
EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION III
224 NEW COURTHOUSE BUILDING
DENVER, COLORADO

REFERENCE JANUARY 27, ALSO MEMO DECEMBER 4, TO CHAIRMAN, DMEA 3919 JOSEPH W. MARSH. PLEASE FURNISH RECOMMENDATIONS COVERING ISSUING CERTIFICATE OF DISCOVERY. ALSO DO YOU RECOMMEND INCORPORATING PSEUDO CERTIFICATION IN PROPOSED AMENDMENT.

George C. Selfridge

CHAIRMAN, OPERATING COMMITTEE

FLKnouse/izm 2-24-58
cc: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224

8623

Form 7
(2-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/30/58	Knouse	700
"	Ellis	700
		140

INTERIOR DEPT.
FEB 3 - 1958
SOLICITOR

January 30, 1958

Memorandum

To: Associate Solicitor
Division of Mineral Resources

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

Subject: Amendment No. 5
Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Please draft Amendment No. 5 to the above contract, for the signature of the Administrator, which permits the following:

1. A recess of operations until April 1, 1958, and of time to complete the project work until June 30, 1958;

2. Automatic termination of work if work is not resumed or completed by the above dates; and

3. Extend the period for the payment of royalty from 12 years to 13 years.

/s/ Ernest Wm. Ellis

Ernest Wm. Ellis

FLKnouse/gla
cc to: Mr. Knouse

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/30/58	Kuenzel	700
"	Ellis	700
1/31/58	[illegible]	130
"	[illegible]	110
"	[illegible]	100
1/31	[illegible]	220
		700

1/31 Bishop (130)
1/31 Kilsgaard (130)

JAN 31 1958

Department of the Interior

DMEA

14X4401(01) Revolving Fund, Defense Production Act, Interior, (Transfer to Office of Secretary)

T E L E T Y P E

W. H. KING, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION III
224 NEW CUSTOMHOUSE BUILDING
DENVER 2, COLORADO

REURMEMO JANUARY 27, DMEA-3919 JOSEPH W. WALSH

WILL FORWARD RECOMMENDED AMENDMENT GRANTING RECESS AND

COMPLETION TIME.

FLKnouse/gla 1-30-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
FLKnouse

George C. Selfridge

CHAIRMAN, OPERATING COMMITTEE

(GCS) 8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

January 27, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 29 -1958

DATE		CODE
1/29	C	220
"	F-4C	130
		700

AIR MAIL

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 3919 (Uranium) Contract No. Idm-E915
Joseph W. Walsh (Hoffmeister Prospect)
Jefferson County, Colorado

Enclosed are the original and two copies of the Operator's letter of January 25, 1958, requesting an extension of the suspension of operations to April 1, 1958, and extension of the date presently fixed on or before which work shall be completed, to June 30, 1958, which are forwarded in conformance with Memorandum No. 18.

The extensions of time requested by the Operator are recommended by this office. When the enclosed material has been reviewed, please teletype advice as to how we should proceed in the matter.

W. H. King

Enc.

DMEA
DEPARTMENT OF THE INTERIOR

JAN 27 1958
REGION III
DENVER, COLORADO

4925 Montview Blvd.
Denver 7, Colorado
January 25, 1958

ORIGINAL FILE COPY
DMEA
RECEIVED JAN 28
DATE | CODE

Executive Officer, DMEA
Field Team, Regional III
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA-3919 (Uranium)
Contract Idm-E-915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Sir:

The completion date for this Contract was November 1, 1957.

Since suspension of work under this Contract I have sunk a 100' vertical shaft, drifted on the vein on the 100' level for 139'. Also ran an exploratory raise from the lower level which has encountered the apparent mineralized rake of the ore. From the north upper drift which was driven under Stage I of this Contract I ran a winze 22' downward on the mineralized section of the vein. This is a very brief outline of the work completed at my own expense since completion of Stage I of this Contract.

Due to work I have completed on this property at my personal expense since the Contract suspension was in force a certain amount of confusion in my mind arose as to Stage II of this Contract as approved. From the above outlined work I concluded that I could not justify drilling Holes #1 and #2 as I feel my work has disproved their potential value. I was under the impression that under Stage II of this Contract I would be required to start on Drill Hole #1 and drill them consectuively as numbered through Drill Hole #5. This being the situation, with the known information I had, I couldn't warrant spending the money for this full program. Now I am informed that it wouldn't be required of me perhaps to drill holes No. 1 and No. 2 but I could have gone ahead on #3,#4,#5. This is the reason for my following request.

I would appreciate it if you would grant me another suspension of operations on this Contract to April 1, 1958. Also I would hereby like to request an extension for completion of this Contract to June 30, 1958. I have failed to correspond with you on this matter sooner because I was trying to warrant the expenses for both you and myself.

If you favor me with the suspension of operation and extension for completion I will immediately submit the drilling program that I feel is desireable - in other words the elimination of Holes #1 and #2. I have requested a longer period of time for both suspension and completion dates than would ordinarily be necessary, but because of bad weather possibilities ahead I would like to have this taken into consideration.

Very truly yours,
Joseph W. Walsh
Joseph W. Walsh - Operator

1-Original
5-Copies

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 24 1958

DATE	INITIALS	CODE
1/24	C	220
1/24	[illegible]	800
1/24	[illegible]	700

224 New Customhouse
Denver 2, Colorado

January 21, 1958

CERTIFIED MAIL

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Reference is made to the letter from this office, dated December 5, 1957, wherein we requested certain data in conjunction with terminating the contract without having completed the work provided for by Amendment No. 3.

Since considerable time has elapsed and we have neither received the data requested nor heard from you in the matter, we will appreciate advice by return mail as to the date on or before which we may expect to receive the data requested in our letter of December 5.

Very truly yours,

Original signed by
W. H. KING
W. H. King
Executive Officer, DMEA
Field Team, Region III

JWT:bh

cc: Chairman, Op. Comm.(2)
Harshman
DMEA/DFC (Winkel)
Townsend
Corres. File
Chron.

ORIGINAL FILE COPY
DMEA
RECEIVED DEC 9 1957
12/9 gb 220
12/9 800
700

224 New Customhouse
Denver 2, Colorado

December 5, 1957

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Reference is made to your letter of December 3, 1957, wherein you request the Government's permission to terminate Contract No. Idm-E915 in its present status, without completing the work provided for by Amendment No. 3.

Based on the results of prior work, Amendment No. 3 was executed to provide for diamond drilling to further explore the property. Under the circumstances, before consideration can be given your request to terminate the Contract, it is necessary that the Government be provided with complete information as to the extent, and the results thereof, of work performed at your sole expense, which, you contend, makes the work provided for by Amendment No. 3 no longer warranted.

Please supply six copies of a map showing the work completed, a description of the work, and the results thereof, including analysis returns on samples taken and any other pertinent data which would be of value to the Government in considering your request to terminate the contract.

In lieu of providing six copies of an analysis of the work at your sole expense as outlined above, in justification for terminating the contract, if you prefer it would be acceptable for you to submit five complete copies of an interim report including the extent and results of both the work performed under the DMEA contract and work performed at your own expense, which, in the event the Government agrees to terminate the contract in its present status, would serve as your final report required by the Contract.

Your prompt attention to the matter of supplying the requested data will be appreciated. Also, we would be glad to discuss the matter further with you if you care to visit this office.

Very truly yours,
Original signed by
W. H. KING

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

JWT:prl
cc: Chmn. Op. Comm. (3)
Harshman
DMEA/DFC-Winkel
Townsend
Corres. file
Chron.

OFFICIAL FILE COPY
DMEA
REC'D DEC 6 1957
CODE
12/6 C 220
12/6 400 800
12/9 700

224 New Customhouse
Denver 2, Colorado

December 4, 1957

Memorandum

To: E. N. Karshman - w/enclosure
DMEA/DFC-Winkel " "

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado.

Enclosed is a copy of the Operator's letter of December 3, 1957, requesting that the contract be terminated in its present status without performing the drilling provided for by Amendment 3.

Please submit a joint memorandum report containing your recommendations relative to terminating the contract and also containing recommendations relative to the issuing of a Certification of Discovery or Development as a result of the exploration work performed under the contract.

Original signed by
W. H. KING

W. H. King

JWF:prl

cc: Chem. Op. Comm. -3) w/copy of Opera-
Corres. file) tor's letter.
Townsend
Chrom.

DMEA
DEPARTMENT OF THE INTERIOR
DEC 4 - 1957
REGION III
DENVER, COLORADO

ORIGINAL FILE COPY
DMEA
RECEIVED DEC 6 1957

		CODE

4925 Montview Blvd.
Denver 7, Colorado
December 3, 1957

Executive Officer, DMEA
Field Team, RegionIII
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA-3919 (Uranium)
Contract Idm-E-915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Sir:

Completion date for Amendment No.4 to contract No. Idm-E-915 expired November 1, 1957.

Because of extensive underground work that has been done on this property by the "Operator" at his own expense during the past year it is felt that the drilling program as outlined in Amendment No.3 to this contract would no longer warrant the expense involved. As a result the "Operator" hereby requests permission of you to terminate this contract.

If you are in agreement with this request to terminate this contract please advise and steps will be taken to submit to you all necessary final reports.

Very truly yours,
Joseph W. Walsh
Joseph W. Walsh
Operator

1 - Original
5 - Copies

August 16, 1957

Memorandum

To: Hazel Berry, Operating Committee

From: Irene Z. Mainster, Div. of Rare & Misc. Metals

Subject: Amendment to Contract Idm-E 915

Mr. Knouse has reviewed and approved Amendment No. 4, dated July 31, 1957, to Contract Idm-E915, Docket No. DMEA-3919, Joseph W. Walsh, and has indicated that no further review of the amendment is required by the Legal Division.

Irene Z. Mainster

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED 1957

DATE		CODE
8/15	Q	220
8/15	2/B	130
"	FYK	700

August 13, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Enclosed are the Government's and Audit copies of Amendment No. 4 to Contract No. Idm-E915, which has been executed in conformance with your teletype of 8/2/57 to extend the date fixed on or before which work will be completed from August 1, 1957 to November 1, 1957; provide for a recess of operations from October 1, 1956 to end not later than September 10, 1957; and increase the maximum period for payment of royalty and lien for payment thereof to twelve years from the date of the Contract.

Also enclosed are three copies each of the Operator's letters of July 15 and August 30, 1957 (the latter should have been dated July 30, 1957), pertaining to the Amendment.

Copies of the Amendment have been distributed to the Operator, the Finance Office, Region III, and to others concerned.

E. N. Harshman

E. N. Harshman

Enclosures

DMEA
DEPARTMENT OF THE INTERIOR

JUL 31 1957
REGION III
DENVER, COLORADO

4925 Montview Blvd.
Denver 7, Colorado
August 30, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 15 1957

DATE	INITIALS	CODE

Executive Officer, DMEA
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA-3919 (Uranium)
Contract Idm-E-915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Sir:

In response to your letter of July 16, 1957 I would like to submit the following additional information in order that you might consider the ninety-day extension of the date fixed by the Amendment No.3 which I requested in my letter of July 15, 1957.

The last work done under this contract was September 30, 1956. This completed Stage I of this contract. On February 4, 1957 a request for Stage II was submitted to you with revisions to the original Stage II requested. On April 22, 1957 I received from you Amendment No. 3 which covered the February 4, 1957 request.

During the early part of April while I awaited Amendment No. 3 of this contract high runoffs of flood waters were received in Ralston Creek until about May 23, 1957 completely washing out the access roads and bridges to the Hoffmeister Prospect. This road work and bridge work has not been completed as yet as a result it has been impossible to go ahead with Amendment No. 3 of this contract. As soon as this access road is completed we will be able to get the drilling equipment onto the property and complete the work called for in Amendment No. 3 of this contract. We will be able to start on this drilling by September 10, 1957.

As stated in request in letter of July 15, 1957 I hereby again request an additional ninety days extension of time or until November 1, 1957 to complete this contract.

Very truly yours,

Joseph W. Walsh

Joseph W. Walsh
Operator

1 - Original
5 - Copies

DMEA
DEPARTMENT OF THE INTERIOR
JUL 16 1957
REGION III
DENVER, COLORADO

4925 Montview Blvd.
Denver 7, Colorado
July 15, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 15 1957
DATE | INITIALS | CODE

Executive Officer, DMEA
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA-3919 (Uranium)
Contract Idm-E-915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Sir:

Completion date for Amendment No.3 of this contract is about to expire. The completion date Augustl, 1957.

This spring we experienced heavy snows and run offs. With the high runoff our access road was completely flooded out. I have just about completed rebuilding the road and bridgework. As soon as this is completed we will be able to get drilling equipment onto the property and complete the work called for in Amendment No.3 of this contract.

Taking into consideration the fact that we have been unable to get the equipment in to do this work yet I wish to hereby request an additional 90 days extension of time or until November 1, 1957 to complete this contract. In that time I will be able to have completed the accessibility work and the contract work.

In making this request for additional time for completion of this contract I do not wish to make any other requests as to costs, independent contracts, direction and so forth.

With these facts in mind I would greatly appreciate the extension of time requested on this contract.

Very truly yours,
Joseph W. Walsh
Joseph W. Walsh
Operator

1 - Original
5 - Copies

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8-2	Knouse	700
8-2	Ellis	700
8/2	Martin	130
"	Johnson	110
"	Whittenberg	700
		220
8-2	Chamberlin	800
		700
8/2	Jones	130
8/2	Kiilsgaard	130
8/2	P.K.	220

AUG - 2 1957

Department of the Interior

DMEA

14X1401(01) Revolving Fund, Defense Production Act, Interior (Transfer to Office of Secretary)

T E L E T Y P E

E. N. HARSHMAN
ACTING EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION III
224 NEW CONGRESSIONAL BUILDING
DENVER, COLORADO

REURTT JULY 31 DMEA 3919 JOSEPH V. VANSH. APPROVE REQUEST TO EXECUTE AMENDMENT EXCUSING PROJECT WORK UNTIL SEPTEMBER 10 AND EXTEND COMPLETION DATE 90 DAYS.

W. S. Martin

ACTING CHAIRMAN, OPERATING COMMITTEE

FLKnouse/izm 8-2-57
cc to: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Confirmation copy to Reg. 3

8623

Mr. George Selfridge

OFFICIAL FILE COPY
D M E A
RECEIVED AUG 1 1957

DATE	INITIALS	CODE
8/1	PK	220
		130
8-1	FHC	200

DN 235 BUR MINES 7-31-57 11-27

CHAIRMAN OPERATING COMMITTEE

RE DOCKT DMEA 3919, CONTRACT IDM-915 JOSEPH W WALSH. OPERATOR REQUESTS AUTHORZXX AUTHORIZATION FOR RECESS OF OPERATIONS FRMXX FROM SEPTEMBER 30 LXX 1956 TO SETXX SEPT. 10, 1957 AND 90 DAY EXTENSION OF COMPLETION DATE. A LARGE PORTION OF DELAY ACCOUNTED TO PROCESSING OF AMENDMENT NO 3. THE BALANCE DUE TO WASHOUT OF ACCESS ROAD . DO YOU CONCUR IN OUR PREPARATION OF SIXX SUITABLE AMENDMENT/Q/ PLEASE TELETYPE ADVICE.

E N HARSHMAN ACTING EXECUTIVE OFFICER

Denver, Colo.

JUL 31 PM 2:53 PM '57
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

July 17, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Enclosed are three copies of an interim report of inspection, dated July 10, 1957, by W. W. Winkel, Mining Engineer, Bureau of Mines, covering shaft sinking and drifting in the DMEA project area, which was performed by the Operator at his own expense.

W. H. King

Enclosures

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 19 1957

DATE	INITIALS	CODE
7/19	C	220
"		100
4/22	~~FLK~~	700

DMEA
DEPARTMENT OF THE INTERIOR

REGION III

JUL 10 1957
REGION III
DENVER, COLORADO

Building 20
Denver Federal Center
Denver 2, Colorado
July 10, 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: W. W. Winkel

Subject: DMEA Docket 3919 (Uranium) Contract Idm-E915, Hoffmeister Uranium Prospect) Jefferson County, Colorado -- Interim report on Field inspection

The subject property was visited on July 8, 1957. The purpose of the inspection was to secure information on its location, and the present status of exploration work being done on the property.

Mr. Kalsh was not at the property during my visit, however, his foreman informed me that the shaft has been completed, and that drifts have been extended out from the bottom for a distance of about 16 feet both ways. Radioactive material was encountered in both drifts. This phase of work is financed by the operator, pending approval of contract work under DMEA.

The alternate access road up Ralston Creek to the property has been washed out in several sections, and the route is impassable to all types of vehicles. The only access to the property at present is by way of the turnoff from Colorado State Highway No. 72 at about 4½ miles west of its intersection with Highway No. 93.

W. W. Winkel

W. W. Winkel
Mining Engineer

WWW/mw
Idm-E915
chron
cc: 9

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 18 1957
DATE | CODE

224 New Customhouse
Denver 2, Colorado

July 16, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED
DATE
7/18 C
7/17 "
FLK
220
8.00
7.00

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
(Hoffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Reference is made to your letter of July 15, 1957, wherein you request a ninety-day extension of the date fixed by Amendment No. 3 on or before which work is to be completed.

Since operations under the Contract have been suspended for a considerable period of time, and as the suspension may extend for an undetermined period of time into the future, it is desirable to incorporate in the proposed Amendment for extension of the completion period provisions authorizing a suspension of operations.

It is realized that the early part of the suspension of operations was necessitated in conjunction with processing Amendment No. 3. However, please submit a request, with justification for the suspension of operations, stating the date the last work was performed under the Contract and the date on or before which operations will be resumed.

Very truly yours,

Original signed by
W. H. KING

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

JWT:prl

cc: Chmn. Op. Comm. - 2
Marshman
DMEA/DFC
Townsend
Corres. file
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 1 1957

DATE	INITIALS	CODE
5/1	C	220
5/1	B	205
5-1	Kyle	700

April 29, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado.

Enclosed are the Government's, Division, and Audit copies of Amendment No. 3 to Contract No. Idm-E915, which was forwarded by your letter of April 23, 1957 for signature by the Operator.

Copies of the Amendment have been distributed to the Operator, the Finance Office, Region III, and to others concerned.

E. N. Harshman

E. N. Harshman

Enclosures

OFFICIAL FILE COPY
DMEA
RECEIVED APR 29 1957

DATE	INITIALS	CODE
4/29	C	220
4/29	LEW	800
"	[illegible]	700

224 New Customhouse
Denver 2, Colorado

April 26, 1957

CERTIFIED MAIL

Mr. Joseph W. Walsh
4285 Montview Boulevard
Denver 7, Colorado

Re: Docket No. DMEA 5919 (URANIUM)
Contract No. Idm-E915
Joseph W. Walsh
(Heffmeister Prospect)
Jefferson County, Colorado

Dear Mr. Walsh:

Enclosed are the Government's, Division, Audit, Finance Office, and Field Team copies of proposed Amendment No. 3 to Contract No. Idm-E915, which has been prepared in reference to your proposal for a revised Stage II work program, to provide for diamond drilling in lieu of drifting.

If the Amendment is satisfactory, all copies are to be signed by you as indicated and all copies promptly returned to this office.

In the event the Amendment is not satisfactory, all copies are to be promptly returned to this office, together with your objections or comments on the Amendment.

Upon return of the properly executed copies of the Amendment, the "Operator's Copy" will be forwarded to you.

Very truly yours,

E. N. HARSHMAN

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

JWT:prl

cc: Chairman, Op. Comm. (2)
Harshman
Shaw
Townsend
Corres. file
Chron.

EA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/19	Knouse	700
"	Ellis	700
4-19	Chamberlin	800
4/22	Selfridge	130
"	Johnson	110
"	Chatterley	100
4/23	C	220
		225
		~~300~~

APR 23 1957

Mr. E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Contract No. Idm-3915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Harshman:

As requested in your memoranda of March 12 and 28, 1957, there are enclosed the original and five copies of Amendment No. 3 to the subject contract, signed by the Administrator. The amendment consists of three pages and one map entitled, "Geological Map Hoffmeister Prospect, Mena Mine, Jefferson County, Colorado." Also enclosed are two extra copies of the amendment and two extra copies of the above-referenced map for the use of the Field Team.

If you and the Operator find the amendment satisfactory, it is ready for the signature of the Operator. After the amendment is signed, please make the usual distribution of the document.

In the event that any part of the amendment does not meet with your approval or the Operator's and cannot be amended within your delegated authority, the original and all copies are to be returned with the proposed changes for consideration.

You will note that we have added to the cost of the work recommended by the Field Team, $40.00 for core boxes and sample sacks.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

O. M. Bishop

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

FIKnouse/gla
4-19-57
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Code 700
Mr. Knouse

8623

To Operating Committee

From Jay [illegible]

Cœur d'Alene, Idaho 1915

I have received the contract but I want to call your attention to the drilling program which calls for 5 holes each 200 ft in depth. It would seem that some tolerance should be permitted.

[illegible]

[illegible]

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/8	Knoyle	700
4/9	Ellis	700

INTERIOR DEPT.
APR 9 - 1957
SOLICITOR

April 8, 1957

Memorandum

To: Associate Solicitor
Division of Mineral Resources

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

RECEIVED
APR 10 1957
ASSOC. SOLICITOR
MINERAL RESOURCES

Subject: Docket No. DMFA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Amendment No. 3

Please refer to memoranda, dated March 12 and 28, 1957, and attachments thereto, from the Field Team, Region III, concerning the recommended change in the project work.

Please prepare Amendment No. 3, for the signature of the Administrator, which provides for the following changes in the project work:

1. Extend the completion date of the project work to August 1, 1957.

2. Delete all reference in the contract to Stage II work.

3. Under heading "General Provisions" add the following:

(a) The work also includes diamond-core drilling from the surface to explore for the doward projection of the mineralized breccia (Mena vein) below the adits completed in Stage I.

(b) Each hole shall be drilled with a diamond-core bit to a depth of 200 feet. The minimum size of core shall be AX. All holes shall be reamed and cased as necessary.

(c) All core and cuttings from each hole shall be saved and checked for radioactivity. Cored sections indicating significant radioactivity shall be split into halves, and one-half of the drill core shall be analyzed chemically

8623

for U_3O_8 and the other half of the core and one-half of the cuttings from all the mineralized sections furnished to the Government upon request. All the remaining core and cuttings shall be properly boxed, labeled and stored pending the Government's final inspection.

(d) All drill holes shall be logged geologically and probed for radioactivity, and four copies of each log furnished to the Government with the Operator's monthly report. No payment shall be made for an uncompleted drill hole.

Stage II

Prepare access roads and drill sites with a Model D-8 Caterpillar tractor w/dozer or an equivalent size make, and drill five diamond-core holes at the locations as are shown on the attached map marked Nos. 1 through 5, entitled, "Geologic Map Hoffmeister Prospect, Mena Mine, Jefferson County, Colorado."

The depth, direction, and inclination that these holes shall be drilled are as follows:

Hole No.	Direction	Inclination	Depth Feet
1	S 75° W	-67°	200
2	S 78° W	-45°	200
3	S 35° W	-45°	200
4	S 75° W	-45°	200
5	S 33° W	-45°	200

Stage II--Estimated Costs

Category (1) Independent Contracts

8 hours of actual operating time, tractor w/dozer, including operator and all necessary costs @ $12/hr.	96.00	
1,000 feet of core drilling @ $5.00/ft.	5,000.00	
1,000 feet of radiometric hole probing @ $0.15/ft.	150.00	
Total		$5,246.00

Category (2) Personal Services

Subcategories (2) and (6) Supervision and Technical Services

1 supervising engineer 2½ months @ $400/mo. $ 900.00

Category (3) Operating Materials and Supplies

40* cardboard core boxes @ $0.75* each 30.00

Sample sacks 10.00*

Category (4) Operating Equipment

None

Category (5) Initial Rehabilitation and Repairs

None

Category (6) New Buildings, Fixtures and Installation

None

Category (7) Miscellaneous

20* chemical analyses for U_3O_8 @ $5.00* each/sample $ 100.00

Accounting and office 2½ months @ $50*/mo. 112.50

Total $ 212.50

Total Estimated Cost Stage II $6,398.50

Original contract allowance for Stage II $7,495.00

1/ See footnote, page 2: Substitute word "drilling" for "drifting" ~~in the first line of the sentence~~ wherever shown.

Note: Operator's MF-104 forSeptember, 1957, shows a total cost of $14,917.48. Examining team memorandum, dated March 16, 1957, shows an allowable cost for Stage I work of $14,536.90, and the contract allows $15,108.75.

Nine copies of the map entitled "Geologic Map, Hoffmeister Prospect, Mena Mine, Jefferson County, Colorado," are attached hereto to be used as attachments to the copies of the amendment.

FLKnouse/gla
cc to: Code 700
Mr. Knouse

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare & Misc.Metals Division

Mr. H. Lebbridge

OFFICIAL FILE COPY
DMEA
RECEIVED APR 8 1957

DATE	INITIALS	CODE
4/8		220
		225

DN 235 BUR MINES 4-5-57 1-32

CHAIRMAN, OPERATING COMMITTEE, DMEA

RE DOCKET DMEA-3919, CONTRACT IDM-E915, JOSEPH W WALSH, TELEPHONE CALL BY MR. KNOUSE RELATIVE TO BIDS ON PLUBXX PLUG DRILLING. MARSHELL BIDS 50 CENTS A FOOT LESS FOR PLUG THAN CORE DRILLING. BOYLE BROTHERS BID SAME FOR PLUGGING OR CORING. UNDER THE CIRCUMSTANCES RECOMMEND THAT HOLES BE CORED IN ENTIRETY TO OBTAIN COMPLETE INFORMATION. IF PLUGGED DRILLING TOP PORTION OF HOLES RETAINED RECOMMEND THAT IT BE LIMITED TO A MAXIMUM OF 100 FEET.

J W TOWNSEND

Lowell Cole,

APR 5 3 55 PM '57
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D.C.

700

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

April 3, 1957

Memorandum

To: The Files

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Telephone call to E. N. Harshman,
Acting Executive Officer, DMEA Field Team, Region III
Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Knouse: I am calling again about DMEA-3919, Joseph W. Walsh. Since the recommended drilling objective is to explore along the Mena vein about 100 feet below the adits and not for parallel hanging wall mineralization, would you consider drilling, say, 125 feet of each hole, with a plug-bit and coring the bottom 75 feet? If the plug-bit drilling could be contracted for $2.00/ft. the project cost could be reduced about $2,000.00.

Harshman: Yes, I see no reason why that should not be done, we are not looking for any mineralization in the hanging wall.

Knouse: We note that a road has been constructed across the vein and hanging wall side as well as other excavations near the adit portals that should have substantially explored the hanging wall area.

Would you want the drill cuttings saved from the non-core sections of the drill holes?

Harshman: Yes, they should be saved at 5-foot intervals and the holes should be probed.

Knouse: Could you ask the Operator to get bids for the non-core drilling, and teletype the amount of core drilling for each hole, and the cost for plug-bit drilling.

Harshman: We are tied up here with two feet of snow and only one girl in the office, but I will get in touch with the Operator and get a wire off to you in the next few days.

F L Knouse

F. L. Knouse

OFFICIAL FILE COPY
DMEA
RECEIVED APR 4 1957

DATE	INITIALS	CODE
5/5	C	220
		225

[illegible]
[illegible] of Mines
[illegible] Region 2), [illegible]

Date April 3, 1957

DMEA Project No. 3919
DMEA Contract No. Idm-E915
Commodity Uranium
Name of applicant Joseph W. Walsh
Name of property Hoffmeister Prospect
Location of property Jefferson County, Colo.
Estimated cost of project

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Field Team Report
(Application, [illegible] Team Report)

[illegible] date: 3/28/57, [illegible] received by [illegible] 4/2/57

[illegible] on this property known to reviewer: Yes ☐ No ☐

[illegible] known to reviewer: Yes ☐ No ☐

[illegible] available on past production: Yes ☐ No ☐

[illegible] pertinent factors known to reviewer: Yes ☐ No ☐

[illegible] items noted by [illegible]:

[illegible] meriting special consideration:

a. Location ☐
b. [illegible] ☐
c. Evidence of mineralization ☐
d. Geology ☐
e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs ☐
h. _____ ☐

[illegible] advised:

a. Obtain information from applicant ☐
b. Refer to Field Team ☐
c. Denial ☐
d. Agree with Field Team ☒
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another examination ☐
h. Approval ☐
i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

April 2, 1957

Re: DMEA 3919 Idm E-915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colo.
Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of supplemental Field Team Report changing the spacing of drill holes

I concur with the recommendation of the Field Team wherein the spacing of the drill holes is changed.

N. E. Nelson

N. E. Nelson

OFFICIAL FILE COPY
DMEA
RECEIVED APR 2 1957

DATE	INITIALS	CODE
4/3	C	220
11	Krause	700

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

OFFICIAL FILE COPY
DMEA
RECEIVED APR 1 1957

DATE	INITIALS	CODE
4/1	C	220
		225

March 28, 1957

Memorandum

To: Chairman, Operating Committee, DMEA

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

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado - Revision of Stage II Work.

In response to a telephone conversation with Mr. F. L. Knouse regarding the proposed Stage II drilling on the subject property, the proposed drill hole locations have been revised. As now proposed, the holes will intersect the Mena vein at 75-foot intervals along the strike rather than at approximately 100-foot intervals as originally proposed in the field memorandum dated March 6, 1957.

We consider the chances of intersecting ore grade material to have been improved by the closer spacing. No changes in the costs estimates are necessitated by this revision.

Enclosed are the original and three copies of a joint memorandum, dated March 27, 1957, with attached map, showing revised hole locations, from D. E. Redmon, Mining Engineer, Bureau of Mines, and R. U. King, Geologist, Geological Survey. Also enclosed are ten extra copies of the revised map for use in the proposed amendment.

Extension of the completion date to August 1, 1957, should provide sufficient time for completion of the work.

E. N. Harshman

E. N. Harshman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

DMEA

REGION III

DEPARTMENT OF THE INTERIOR
MAR 27 1957
REGION III
DENVER, COLORADO

Building 20
Denver Federal Center
Denver 2, Colorado
March 27, 1957

Memorandum

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

Through: John F. Shaw
E. N. Harshman

From: D. E. Redmon
R. U. King

Subject: Docket DMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect) Jefferson County, Colorado -- Revision of Stage II

Submitted herewith are 24 copies of a map revised to conform with recommended changes in Stage II.

In accord with your request, the recommended drill holes are expected to intersect the Mena vein at intervals of approximately 75 feet along the strike of the vein and at about 100 feet down dip from the adit level.

Drill hole No. 1 has been changed to an angle hole to improve the angle of intersection with the vein. The hole was formerly vertical to utilize an existing drill station. Previously recommended allowance for station preparation is considered adequate.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 1 1957

DATE	INITIALS	CODE

D. E. Redmon
D. E. Redmon
Mining Engineer
U. S. Bureau of Mines

E. N. Harshman
for R. U. King
Geologist
U. S. Geological Survey

DER/mw ~~cc: 9 Idm-E915~~ Chron

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

March 25, 1957

Memorandum

To: The File

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Telephone call to E. N. Harshman,
Acting Executive Officer, DMEA Field Team, Region III
Docket No. DMEA-3919 (Uranium)
Contract No. Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Knouse: I am calling about DMEA-3919, Joseph W. Walsh, proposed Amendment No. 3. We were wondering if you fellows have explored the surface ahead of the north drift face and found mineralized exposures that caused you to recommend the drilling of diamond drill hole No. 1. Sample data shows very little U_3O_8 values along the vein 80-100 feet from the north face in the drift, and the two drilled across the vein near the face showed little radioactivity.

Harshman: It is true that mineralization on the north end of the vein is not too strong in the drift nor radioactivity in the drill hole. We have not looked over the surface very much because the drift is getting rather near the property line. We thought, however, that a deep hole may possibly pick up some mineralization.

Knouse: Since all the ore shoots are short, we were also wondering what you think about drilling closer-spaced holes -- probably 75 feet apart -- to explore the vein at depth from the north end of the ore shoot in the north drift to the south end of the ore shoot in the south drift. This would include drilling to cut the vein below the draw where it is covered.

Harshman: We would go along with such spacing of holes and feel it advisable in this case because of the short ore shoot. One hundred-foot spaced holes could easily miss such ore shoots. We were reluctant to recommend holes spaced closer than 100 feet apart.

Knouse: Do you think the Operator lost the main vein in the south drift?

Harshman: I don't think there is much doubt of it; that is the reason we wanted to drill one hole to test the south end of the vein ahead of the face where we think the vein was lost.

Knouse: What would you fellows say to cut out proposed Hole No. 1 and drill five holes southward to cut the vein at the projected depth 75 feet apart, beginning at the north end of the ore shoot in the north drift?

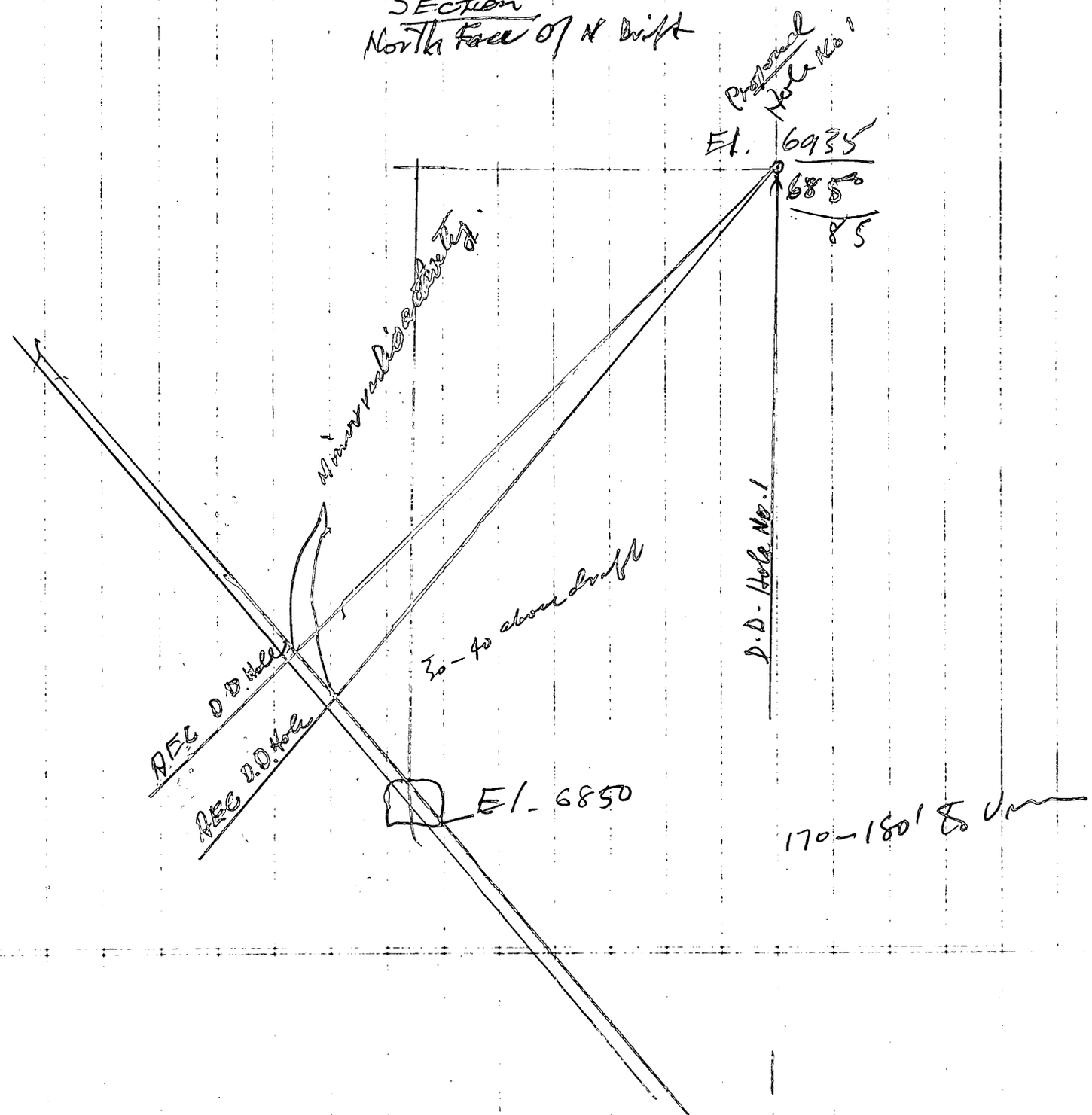
Harshman: I think that would be an excellent program and I am sure all the fellows here would approve such a program.

Knouse: If you fellows are in accord with this suggestion, could you send us the necessary map and information so that we can write up the amendment on that basis?

Harshman: Will do, and we will get this information off to you tomorrow or the next day.

F. L. Knouse

F. L. Knouse


SECTION
North Face of N Drift
Proposed Hole No. 1
El. 6935
6850
85
Mineralization Exp.
30-40 above drift
D.D. Hole No. 1
REC D.D. Hole
REC D.D. Hole
El. 6850
170-180' S.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 21 1957

DATE	INITIALS	CODE
3/21	C	226
3-22	~~[illegible]~~	700
		225
✓		

March 20, 1957

Re: DMEA 3919 Idm E-915
Joseph Walsh
Hoffmeister Prospect
Jefferson Co., Colo.
Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of a request for an amendment.

The operator was awarded a contract in 1956 for drifting on a uranium bearing vein. Two places were chosen for drifting on opposite sides of a narrow valley, the two points probably being on the same vein.

The south drift, 224 feet long developed a 30-foot ore shoot and the north drift, 200 feet long developed 2 ore shoots, one 20 feet long and another 30 feet long. Ore worth $9,022.53 (247.696 tons at 0.324% U_3O_8) has been shipped from the 30-foot ore shoot. It would seem to be about 1/2 of the probable ore originally in the ore shoot above the adit level. Royalty in the amount of $649.18 has been remitted.

As the ore shoots show in the floor of the adits a downward extension is to be expected and in the present request the operator asks for a switch in the remaining funds from drifting to diamond drilling. The holes as recommended by the examiners and the Field Team would explore the downward projection of the vein at 5 points on the 100-foot level about 100 feet apart. The target of one hole is the downward projection on plunge of the 30-foot ore shoot developed in the north adit. The other holes would explore for other ore shoots. The estimated cost of the work is $6,358.50, a sum $708.60 less than the unexpended funds.

Hole No. 1 as proposed would cut the projection of the vein almost down dip of two barren drill holes and a barren drift. It would seem to over explore the weak vein in that section. With 20 and 30-foot ore shoots to be expected, closer drilling in the valley area appears indicated.

With that exception I concur with the recommendation of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 19 1957

DATE	INITIALS	CODE
3/20	C	220
		225

[illegible]
[illegible]
[illegible] of Mines
Washington 25, D. C.

Date March 19, 1957

DMEA Docket No. 3919
DMEA Contract No. Idm-E915
Commodity Uranium
Name of applicant Joseph W. Walsh
Name of property Hoffmeister Prospect
Location of property Jefferson Co., Colorado
Estimated cost of project $8,777.00

[illegible] Ernest William Ellis, DMEA Member
Uranium Commodity Committee
[illegible] John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

[illegible] Amendment to Contract
(Application, Field Team Report, etc.)

[illegible] 3/12/57 2. Date received by [illegible] 3/18/57

3. [illegible] on file, property known to reviewer: Yes ☐ No ☐

4. [illegible] on mineral deposits known to reviewer: Yes ☐ No ☐

5. Information available on past production: Yes ☐ No ☐

6. Other pertinent factors known to reviewer: Yes ☐ No ☐

7. Explain items marked yes above:

8. Factors meriting special consideration:
- a. Location ☐
- b. Geology ☐
- c. Evidence of Mineralization ☐
- d. Geology ☐
- e. Proposed exploration method ☐
- f. Alternate exploration method ☐
- g. Costs ☐
- h. _____ ☐

9. Action advised:
- a. Obtain information from applicant ☐
- b. Refer to Field Team ☐
- c. Denial ☐
- d. Agree with Field Team ☒
  - 1. Consult with Mr. _____ at _____ AEC office.
- e. Disagree with Field Team ☐
- f. Suggest alternate plan ☐
- g. Request another examination ☐
- h. Approval ☐

10. Remarks: (Use back of page if necessary)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 New Customhouse
Denver 2, Colorado

March 12, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1957

DATE	INITIALS	CODE
3/14	C	220
		225

Memorandum

To: Chairman, Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket DMEA-3919 (Uranium) Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect) Jefferson County, Colorado

Enclosed is the following material pertaining to an Amendment to the subject contract to provide a Stage II drilling program in lieu of the drifting program presently provided for in the contract.

1. Three copies of the Operator's report on the results of Stage I and proposal for the Stage II drilling program.

2. Original and three copies of a joint memorandum report dated March 6, 1957 from D. E. Redmon, Mining Engineer, Bureau of Mines, and R. U. King, Geologist, Geological Survey, pertaining to the proposed drilling program.

3. Original and two copies each of three bids submitted by independent drilling contractors.

4. Nine copies of a map recommended for use in conjunction with the recommended Amendment.

The Operator proposes a diamond core drilling program, consisting of nine holes aggregating 1,550 feet at a total estimated cost of $8,777.00.

The field examiners recommend and this office concurs in a modified Stage II drilling program, consisting of five holes aggregating 1,000 feet of drilling at a total estimated cost of $6,358.50.

A review of fiscal records indicates that the unexpended balance of funds remaining under the contract amounts to $8,067.10, which is adequate to cover the cost of the modified program.

It is recommended that a suitable Amendment be prepared to provide for the drilling under Stage II in lieu of drifting. It is further recommended that the date fixed for completion of the project work be extended to August 1, 1957.

DMEA Field Team, Region III

E. N. Harshman

By E. N. Harshman
Acting Executive Officer

Enclosures

DMEA
DEPARTMENT OF THE INTERIOR
FEB 4 1957
REGION III
DENVER, COLORADO

Docket No. DMEA - 3919
Commodity - Uranium
Contract No. Idm-E 915

DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 NEW CUSTOMS HOUSE, DENVER 2, COLORADO

HOFFMEISTER PROSPECT
JEFFERSON COUNTY, COLORADO

OFFICIAL COPY
DMEA
RECEIVED MAR 14 1957

DATE	INITIALS	CODE

REPORT ON STAGE I.

GEOLOGICAL REPORT.

PROPOSAL for STAGE II.

Joseph W. Walsh
Operator
4925 Montview Blvd.
Denver 7, Colorado

REPORT ON STAGE I

As of this date Stage I of this contract has been completed. During this period 65¼ hours of bulldozing an access road and relocation work to the portals of each adit were completed at a cost of $ 783.00. Next 200 feet of drifting northwesterly and 224 feet of drifting southeasterly from the adit portals along the mineralized breccia vein were driven at a cost of $ 12,274.80. The cross-sectional dimensions of the drifts are five feet by seven feet inside the timbers. Both drifts were timbered where necessary with standard drift sets. 31 chemical assays at a total cost of $180.00 were made during Stage I of this contract.

Forms MF-104 and MF-104A, Narrative Reports, Original Chemical Assay Analysis, Original of all Surveys and Maps and all original receipts of payments made for each of the months March 1956 through September 1956 inclusive were submitted at the end of each month to Executive Officer, DMEA, Field Team, Region III, 224 New Customhouse, Denver 2, Colorado on Stage I of this contract.

GEOLOGICAL REPORT

Pitchblende mineralization occuring in fissure veins was explored at the Mena Mine (Hoffmeister Prospect) with the assistance of this DMEA Contract. This exploration work has been done in an area which has undergone intense faulting and brecciation. At least three generations of faulting have been observed in these two drifts. All mineralization of commercial grade has been found only in this Mena Vein. Samples taken from this vein and chemically assayed ranged from 0.002% U_3O_8 to 14.23% U_3O_8. This vein strikes approximately N 35 degrees W and dips 65 to 70 degrees to the northeast. Drag of preexisting faults created by movement along the Mena Vein indicates that the Mena Vein is a reverse fault having a greater component of vertical rather than horizontal movement. This fault is probably a tension fracture caused by reverse fault movement along the major breccia reef which is located a few hundred feet to the northeast of the Mena Vein. The term breccia reef is a local term used to describe highly fractured and brecciated fault zones of great magnitude which disect the Precambrian and early Tertiary rocks of the Colorado Front Range.

In all probablity these large breccia reefs have served as the conduits along which uranium bearing hydrothermal solutions have ascended. The country rock in the immediate vicinity of the workings is predominately hornblende gneiss, probably belonging to the Swandyke member of the Precambrian Idaho Springs formation. Numerous granite pegmatite dikes crop out in the vicinity of the workings. The strike of the Mena Vein forms an angle of approximately 30 degrees with the strike of the foliation of the hornblende gneiss. This relationship has resulted in brecciation along the vein, particularly in areas where the vein has changed course.

Ore shoots containing excellent quality pitchblende ore were encountered in three separate locations during this exploration work. One ore shoot in the South Mena (South Hoffmeister Prospect Drift) and two ore shoots in the workings of the North Mena (North Hoffmeister). These two exploration drifts will be discussed separately under the headings of: South Mena and North Mena. A Geologic Section Map through the Mena South and Mena North accompany this report.

South Mena:

At a distance of 13'6" from the point of origin of this contract to 32'0", a distance of 18'6", an ore shoot containing very good quality pitchblende ore was encountered. The mineralized width varied from 8" to 2'0" and the chemical assay samples from this section varied from 0.36% U_3O_8 to 14.23% U_3O_8. This ore shoot was formed when the Mena Vein intersected a preexisting breccia zone at a rather large angle. A zone of coarse open breccia resulted and mineralized widths of as much as two feet were encountered. The hornblende gneiss appears to be chemically receptive to uranium bearing solutions. The large amount of ferrous ions released by the hornblende when acted upon by hydrothermal solutions would result in the reduction and precipitation of uranium oxide (pitchblende) from solution.

It was at first believed that the Mena Vein in the south adit was complicated by a post mineral fault which had cut and apparently displaced the Mena Vein to the south for an unknown distance. A transit-rod survey was made of an outcropping vein located on the hillside above the south adit.

Geologic projections indicate that this vein is the Mena Vein. Careful cleaning of the rubble covering the Mena Vein in the floor of the south adit revealed that the Vein was not faulted off as had been previously believed. The vein makes a turn toward the south and follows the course of the south drift. This coincides with the downward projection of the barren vein mapped on the surface. There is a later fault which cuts and displaces the Mena Vein for a distance of one foot. It is at the junction that the ore body was encountered in the south adit. No mineral was found in this fault in the area adjacent to the Mena Vein, thus it appears that the uranium bearing solutions ascended along the Mena Vein late in the history of the vein.

No commercial grade mineralization was encountered in any other location in this south adit during the exploration drifting. At a point 181'5" from the portal a large gouge-filled breccia reef was encountered. This continued until the drift was terminated at a distance of 224' making a total of 42'7" of this breccia gouge. The mineralized vein being followed was lost after entering the breccia-gouge.

After completing the south adit at a point 224 feet from the point of origin a short eight foot crosscut was driven into the west wall of this south drift at a point 47 feet from the portal. The objective of this crosscut was to definitely determine whether the tight vein which had been followed in the drift was actually the Mena Vein or a small split from the Mena Vein. In the writer's opinion the tight vein which has been followed is the Mena Vein.

Considering the tightness of the vein and the large gouge-filled breccia reef no further exploration is recommended along this structure in the South Mena at the present time.

North Mena:

The Mena North was driven on a northwesterly heading following the mineralized brecciated vein. At a distance of 19'4" an ore shoot containing good quality pitchblende ore was encountered. This extended to a point 39'9" from the point of origin for a total distance of 20'5" of good mineralization. The width of the mineralized section varied from 1'4" to 3'5" and the chemical assays of samples taken varied from 0.12% U_3O_8 to 0.52% U_3O_8. This ore shoot strikes N 5 degrees E and dips 50 degrees to 60 degrees E.

It consists of brecciated and sheared hornblende gneiss that is cut by an irregular body of carbonate-rich rock which contains the ore. This rock, which averages about 27" in width, apparently represents that part of the shear zone that was invaded by the ore bearing solutions.

From 37'6" to 61'6" the vein pinched down to an average width of 2.7" and is very tight. The chemical assays here averaged 0.04% U_3O_8.

The third ore shoot encountered under this Contract containing excellent grade pitchblende mineralization was at 61'6" to 91'6" from the portal. This ore shoot strikes N. 3 degrees E and dips 65 degrees to 70 degrees E which is very similiar to the two previously discussed ore bodies. This last ore discovery has resulted from a sudden change in strike of the Mena Vein. Previous geologic mapping done by Adams, Gude, and Beroni of the United States Geological Survey (Geological Survey Circular 320) shows a change of strike in the Mena Vein at the surface approximately 40' north of the old Hoffmeister Shaft. From the direction of movement of the opposite walls of the Mena Vein it has been found that the change in strike projected downward from the surface and intersects this ore shoot encountered in the adit.

This ore shoot is 30' long at track level. The width of the mineralized zone varies from 13" to 4'0". The vein material consists of bleached and brecciated hornblende gneiss and carbonate occupying the open spaces in the breccia. The heaviest concentration of pitchblende occurs adjacent to the steeply dipping Mena Vein. This pitchblende is the hard black shiney variety.

In driving the drift along the breccia vein no further commercial bodies of ore were encountered from 91'6" to 200' in the North Mena at which time drifting was terminated per Stage I of this Contract.

At completion of the drifting a raise was begun at a point approximately 5' beyond the north edge of the last ore shoot encountered or approximately 97' from the DMEA point of origin in the North Mena. Object of this raise was to attempt to intersect the inferred rake of this ore shoot. The rake of the ore was intersected successfully and excellent grade pitchblende ore was removed from the raise and the stope (see "Geologic Section Map Through Mena Vein"). It appears That the mineralization is following a definite rake which should connect with the old Hoffmeister Shaft and surface.

SUMMARY

1) Three distinct ore shoots each containing excellent grade pitchblende mineralization were encountered in the drifting done in Stage I of this Contract. Each appeared to have approximately the same degree of strike and dip.

2) Because of the large gouge-filled breccia reef and the extreme tightness of the vein in the south adit it is not believed to be either practical or economical to continue exploration drifting from the present Mena South face as stipulated in the Contract under Stage II.

3) Rather than carry out the drifting of 225' as outlined under Stage II of this Contract it is recommended and requested now that Stage II of the Contract be amended and a limited comprehensive diamond core drilling program be substituted for the drifting in order to explore the possibilities that the rake of the three ore shoots encountered might continue downward with depth and continue to carry mineralization.

PROPOSAL FOR STAGE II

It is herewith requested that any further exploratory drifting be terminated at this time and the following exploratory diamond core drilling program be substituted.

The purpose of this diamond core drilling work is to explore the possibility that the ore shoots encountered in Stage I trend or rake downward along the mineralized breccia vein and that they remain mineralized.

Before drilling is started two drill sites will have to be excavated and leveled with a Model D-8 Caterpillar tractor with dozer or an equivalent tractor unit.

The drilling shall be performed from two different sites as shown on attached maps entitled "A Geologic Plan of the Mena Mine", "The Mena Mine Section Through Proposed Drill Holes M-1, M-2, M-3, M-4", "The Mena Mine Section Through Proposed Drill Holes M-5, M-6" and "The Mena Mine Section Through Proposed Drill Holes M-7, M-8, M-9".

From drill site No.1 the following diamond core drilling is proposed.

DRILL HOLE	BEARING	INCLINATION	FEET
M-1	S 55 degrees W	-53 degrees	155
M-2	S 55 degrees W	-39 degrees	140
M-3	S 55 degrees W	-66 degrees	160
M-4	S 55 degrees W	-17 degrees	140
M-5	S 75 degrees W	-26 degrees	155
M-6	S 81 degrees W	-40 degrees	150

From drill site No.2 the following diamond core drilling is proposed.

DRILL HOLE	BEARING	INCLINATION	FEET
M-7	S 52 degrees 30 min. W	-72 degrees	280
M-8	S 52 degrees 30 min. W	-60 degrees	200
M-9	S 52 degrees 30 min. W	-43 degrees	170

The diameter of the core holes shall not be less than "BX" (2 11/32") size and all cores recovered shall be kept in regulation core boxes.

The operator shall furnish the Government with such cores as it specifies, and all methods of sampling and sample

determinations and the direction, inclination, and extent of all drill holes will be subject to the approval of the Government. Not more than 30 samples shall be analyzed chemically for U_3O_8. Each hole upon completion will be probed for radioactivity.

The core drilling project shall be directed by a qualified engineer on a full-time basis, and he shall do the required surveying, mapping and sampling and shall prepare all reports required under this contract.

ESTIMATED COSTS OF DIAMOND CORE DRILLING PROJECT FOR STAGE II.

Independent Contracts:

12 Hours of operation of tractor with dozer, including operator and all other costs of bulldozing whatsoever @ $12.00/hr.	$ 144.00
1550 feet of "BX"(2 11/32") diamond core drilling @ $5.00/ft., including all costs of drilling whatsoever.	$ 7750.00
1550 feet of radiometric hole probing @ $00.15¢/ft. including mileage and all other costs of probing.	$ 233.00

Personal Services:

1 - Supervising engineer @ $400.00/mo. -1¼ months	$ 500.00

Miscellaneous:

30 chemical analyses for U_3O_8 @ $5.00 each/sample.	$ 150.00
ESTIMATED TOTAL COST OF PROJECT.....	$ 8777.00
GOVERNMENT PARTICIPATION @ 75 PERCENT.....	$ 6583.50

The $5.00 per foot of diamond core drilling was arrived at by two verbal bids on the work. Two years ago the Atomic Energy Commission contracted diamond core drilling in this area

and the same type of rock formation at $ 4.50 per foot but they contracted for better than 30,000 feet of drilling. It is felt that for only 1550 feet of proposed drilling in this contract $ 5.0C per foot is a fair fee.

This contract under Amendment No.2 dated November 19, 1956 had the completion date of work extended to May 1, 1957. Should the Government grant Stage II as outlined above, applicant requests that completion date be extended to a date 90 days after notification is given that work might be started on this project by the Government.

January 31, 1957

Joseph W. Walsh
Joseph W. Walsh
Applicant - Operator

INDEX OF EXHIBITS

MAPS:

1 - Geologic Section Through The Mena Mine.

2 - A Geologic Plan of the Mena Mine.

3 - The Mena Mine - Section Through Proposed Drill Holes M-1, M-2, M-3, M-4.

4 - The Mena Mine - Section Through Proposed Drill Holes M-5 and M-6.

5 - The Mena Mine - Section Through Proposed Drill Holes M-7, M-8, M-9.

E M 25

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1957

DATE	INITIALS	CODE

IN REPLY REFER TO:

DMEA
DEPARTMENT OF THE INTERIOR
MAR 11 1957
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

March 6, 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: J. F. Shaw Scott Wagner Jr for JFS
E. N. Harshman Rec for E N H

From: D. E. Redmon
R. U. King

Subject: Docket DMEA 3919 (Uranium), Contract Idm-E 915, Joseph W. Walsh (Hoffmeister prospect), Jefferson County, Colorado. REQUEST FOR STAGE II

On February 4, 1957, the operator submitted a Report on Stage I, a Geological Report, and a Proposal for Stage II.

Stage I was completed in September 1956. Units of work accomplished with their respective costs are as follows:

Work unit	Charges allowed	Estimated (contract)
Independent contracts		
Bulldozing 65.25 hrs. @ $12 per hour	$ 783.00	$ 1,080.00
Drifting		
South adit - 224 feet at $28.95/ft.	6,483.90	6,513.75
North adit - 200 feet at $28.95/ft.	5,790.00	5,790.00
Personal Services		
Supervising engineer, 3-1/4 months @ $400/mo.	1,300.00	1,300.00
Chemical analyses		
36 chemical analyses	180.00	425.00
Totals	$14,536.90	$15,108.75

Government participation at 75 percent of the allowed charges is $10,902.67.

Amendment No. 1 to the contract, dated July 17, 1956, extended the completion date from August 1, 1956, to December 1, 1956.

Amendment No. 2 to the contract, dated November 14, 1956, extended the completion date from December 1, 1956, to May 1, 1957, and extended the period for royalty payments to eleven (11) years from the date of the contract.

Work completed under the contract has been relatively slow because of some unexpected difficulties and the operator's lack of mining experience.

A significant discovery of uranium ore was made during Stage I work and 247.696 tons of material averaging 0.324 percent U_3O_8 has been sold from the property. Settlement sheets, to February 7, 1957, on the marketed ore show a gross value of $9,022.53, including development allowance, shipping allowance, and $CaCO_3$ penalty. The value per ton of ore shipped to date amounts to $36.43 (excluding initial production bonus). Government royalty payments received to February 7, 1957, totalled $649.18.

The applicant proposes additional exploration consisting of 1,550 feet of core drilling in nine (9) holes fanned from two surface locations in the bed of Ralston Creek. The hole lengths range from 140 feet to 280 feet and are inclined from minus 17° to minus 72°. The proposed holes, in three groups, would intersect the downward projection of the vein at three places, 60 feet apart, along the strike of the vein. The proposed holes in each group, would intersect the projected vein at intervals of about 40 feet along the dip.

The drilling is proposed in lieu of 225 feet of drifting allowed in Stage II of Contract Idm-E 915. The drifting was estimated to cost $7,495.

The Mena vein was found to be mineralized for its entire length in the north adit and for about 30 feet in the south adit. Beyond 30 feet in the south adit the Mena vein pinches to knife-edge thickness and is lost due to branching or feathering of the vein.

Three uranium-ore shoots were discovered as a result of the exploration, two of which are in the north adit and one near the portal of the south adit. The largest ore shoot and the only one thus far being exploited is from 60 to 90 feet in from the portal of the north adit. The ore shoot is from 1 foot to 4 feet wide, and is apparently continuous with the ore body previously discovered in the bottom of the Nigger (Black Judge) shaft. The ore shoot pitches about 45° to the south, and probably extends for a considerable distance below the adit level.

Inasmuch as the uranium-bearing Mena vein pinches out on the adit level a short distance from the portal of the south adit, further search in that area for uranium on or above the adit level would be prospecting.

The Mena vein in the interval between the two portals is covered by stream gravel and dump material and is not explored. However, the discovery of ore-grade uranium near the south adit portal indicates that the uranium-bearing vein may be continuous across that interval and may contain uranium ore bodies below the subsurface apex.

The uranium content of the vein is noticeably higher on the adit level than where exposed in outcrops and surface pits; therefore, the vein at depth offers the best exploration target.

The applicant's estimate of costs of his proposed exploration program is as follows:

Independent Contracts.		
12 hours bulldozing at $12 per hour	$ 144.00	
1,550 feet of "BX" diamond-core drilling at $5 per foot	7,750.00	
1,550 feet of radiometric probing at $0.15 per foot	233.00	
Personal Services		
1 supervising engineer, @ $400 per month, 1-1/4 months	500.00	
Miscellaneous		
30 chemical analyses for U_3O_8 at $5 each	150.00	
Estimated total cost of project		$8,777.00
Estimated cost per foot		5.66

It is thought that the applicant's proposed drill holes are too closely spaced to qualify as exploration. It is also noted that the total requested expenditure is $1,282 greater than the contract allowance for Stage II drifting.

It is concluded that there is a fair chance of discovering additional uranium ore by exploration of the Mena vein at depth, but only a poor chance of making significant discoveries laterally to the

south. The downward extension of the vein can be adequately explored and sampled by core drilling from the surface.

It is recommended that the operator's request to substitute drilling for drifting in Stage II exploration be approved, but that the applicant's proposed drilling program be modified to consist of five drill holes spaced so as to intersect the Mena vein at not less than 100-foot intervals along the strike and dip. The approximate collar location, bearing, inclination, and estimated maximum length of the recommended core drill holes are shown on the accompanying map.

The estimated cost of the recommended exploration drilling is as follows:

(Basis for computation; 5-day week, 20 feet a day, 2-1/4 months for completion)

Independent Contracts	
Bulldozing, 8 hrs. @ $12/hr. for site preparation	$ 96.00
Diamond drilling AX size, 1,000 feet at $5/foot	5,000.00
Radiometric hole probing, 1,000 feet at $.15/foot	150.00
	$5,246.00
Personal services	
Supervising engineer 2-1/4 mos. at $400/month	900.00
Miscellaneous	
20 chemical analyses for U_3O_8 at $5 each sample	100.00
Office and bookkeeping, 2-1/4 mos. at $50/month	112.50
	212.50
Total estimated cost of Stage II	$6,358.50

Government participation at 75 percent would be $4,768.88.

D. E. Redmon

D. E. Redmon, Mining Engineer
U. S. Bureau of Mines

R. U. King

R. U. King, Geologist
U. S. Geological Survey

MINERAL EXPLORATION -- TEST BORINGS -- GROUT HOLE DRILLING

GOLDEN DRILLING COMPANY

DIAMOND DRILLING CONTRACTORS

2301 EAST STREET

GOLDEN, COLORADO

PHONE CRestview 9-1371

3919

W. E. MATTHEWS,
MANAGER

February 25, 1957

DMEA
DEPARTMENT OF THE INTERIOR
MAR 11 1957
REGION III
DENVER, COLORADO

Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Regarding our telephone conversation pertaining to Diamond Core Drilling on the Hoffmeister Prospect in the Ralston Creek area, the Golden Drilling Company submits an estimate covering cost per foot, etc.

Depths of holes:

0 to 300 feet	$5.00 per foot
300 to 400 feet	5.50 per foot
400 to 500 feet	6.00 per foot

Reaming and casing will be at cost.

Cementing and stand-by time for probing hole, etc. will be $6.00 per hour, plus the cost of cement.

These prices are quoted for AX size bit.

Roads and drill set-ups are to be provided by Joseph W. Walsh.

GOLDEN DRILLING COMPANY

W E Matthews

W.E. Matthews

WEM:plm

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1957

DATE	INITIALS	CODE

JOY MANUFACTURING COMPANY
1626 WAZEE STREET
DENVER 2, COLORADO
TELEPHONE KEYSTONE 4-6334

COAL MACHINERY DIVISION

DMEA
DEPARTMENT OF THE INTERIOR
MAR 11 1957
REGION III
DENVER, COLORADO

February 26, 1957

Mr. Joseph W. Walsh
Mena Mine
4925 Montview Boulevard
Denver, Colorado

Dear Sir:

In reply to your request to Mr. Flanagan, we are pleased to quote contract drilling work as follows:

We would like to quote $7.45 per foot for a minimum of 1,000 feet of AX drilling.

The minimum depth hole would be 100 feet, and the maximum depth hole would be 250 feet. Holes would be spotted within 500 feet of an ample source of water.

In the event we have to resort to reaming, casing or cementing, such work would be performed at the rate of $8.00 per hour plus materials used up. Delays would be charged at the rate of $8.00 per hour. We can not perform work on an open account basis unless you furnish us with acceptable references to our Credit Department. In lieu of acceptable references, we would ask that you deposit $4,000.00 cash with us. When this amount became used up, it would be necessary for an additional deposit to be made covering the remainder of the work.

If you find our prices acceptable, please notify us so that we may have a formal core drilling agreement drawn up. At the present time we are in a position to start the work in about 30 days. We feel, however, that drilling will be very active this coming Summer, and therefore would like a decision at an early date so that we may plan accordingly.

Yours very truly,

JOY MANUFACTURING COMPANY

L. C. Kimball
Office Manager

LCK:LP

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1957

DATE	INITIALS	CODE

Diamond Core Drilling
Mining
Quarries
Shaft Sinking
Tunnel Driving

Boyles Bros. DRILLING COMPANY

CONTRACTORS - ENGINEERS - GEOLOGISTS
General Offices
1321 South Main Street Phone HUnter 4-4401
SALT LAKE CITY 15, UTAH

DMEA
DEPARTMENT OF THE INTERIOR
MAR 11 1957
REGION III
DENVER, COLORADO

Reply to: 1611 So. Vrain
Denver, Colo.

Febuary 14. 1957

Mr. Joe W. Walsh
4925 Mt. View Blvd.
Denver 7, Colo.

Dear Mr. Walsh;

After reviewing our previous costs in the area in which you are planning a drilling program, And taking into consideration the increased costs that have affected us all in recent months we submit as an estimate the following schedule for your consideration.

1	MOBILIZATION OF MEN & EQUIPMENT		$200.00
2	DRILLING AX SIZE HOLES FROM 0ft TO 500ft	per ft.	$ 7.50
3	REAMING FOR AX SIZE CASING AS REQUIRED	per ft.	$ 3.25
4	CEMENTING PLUS COST OF CEMENT	per hour	$ 10.00
5	LOST CASING List price F.O.B. the job.		

The foregoing is based on the utilization of one Drill & one Crew, and that access roads & drill sites will be furnished without charge to us.

Yours Very Truly
R F Durfee

RFD/s

R. F. Durfee

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1957

DATE	INITIALS	CODE

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

224 New Customhouse
Denver 2, Colorado

Date: March 7, 1957

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado
Period: February, 1957

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

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
1957						
1/14	2712	46.829	$56.42	$56.42	$40.97	$40.97
1/23	2798	38.082	27.28	27.28	18.77	18.77
Totals:		84.911	$83.70	$83.70	$59.74	$59.74

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 11 1957

DATE	INITIALS	CODE
3/11	C	220
11	~~[illegible]~~	700

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date 332.607

E. M. Hardman

for W. M. Traver

vj
cc: Royalty File E 915 w/settlement sheets
Monthly Royalty Payment File
J. F. Shaw (2) w/settlement sheets
Chron.

Receiving Station [illegible]-Vitro

Grand Junction, Colorado January 14, 1957

Liquidation No. 3723 Lot No. 99 241 78

Shippers Lot No.

Bought of Joseph W. Walsh

A.E.C. License No. P-2986

Address 4025 Montview Blvd., Denver, Colorado

Type of Ore Uranium Bearing Contract No. AT(05-1)-224 Amend. Date Received 12/27/56

Mining Claim Mena Mine Mining District Ralston Creek

County Jefferson State Colorado

Pile No. VS 22

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	Cu	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$	Cu
VS	95,960	2.40	93,657	0.25		12.0		234.14		11,239	

U308	Per Lb.	Per Ton	Short Ton	Total Value
0.25 % - 5.0 # at	3.50	17.50	46.8285	$ 819.50
Development Allowance 5.0 # at	.50	2.50	"	117.07
Premium in excess of 4# per ton (5.0# - 4#) - 1.0 # at	.75	.75	"	35.12
TOTAL U308 PAYMENT		20.75	46.8285	971.69
Haulage allowance 100 miles @ 6¢ per wet ton mile			47.9800	287.88
TOTAL [redacted]				$1259.57
Less CaCo3 Penalty CaCo3 in excess of 6% (12.0 % - 6%) - 6.0 % 6.0 % @ .30 per unit +$1.00 base =		2.80	46.8285	(-)131.12
TOTAL GROSS PRICE				$1128.45
Deductions:				- - - -
NET PROCEEDS				$1128.45

Correct: BPR Paid January 17, 1957
Checked: CBK Voucher No. 1-165
Approved: HER Check No. 3924

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

MENA MINE

LOT NO. 110

PJP

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Commission.
I certify that I hold A. E. C. Source Material License numbered above.
I hereby transfer to the Commission, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.
I will accept the amount as shown above as "Total Gross Price" in full settlement for sums due to me on account of the ore deliveries described herein.

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules unless otherwise provided in contract applicable to ore delivery described herein.

Joseph W. Walsh
Seller or Agent

By Joseph W. Walsh

Title Owner - Operator

E915

WESTERN URANIUM PROJECT

LUCIUS PITKIN INC.

Or[illegible]urchasing Agent for United States Atomic Ene[illegible] Commission

Receiving Station OP-Vitro

Grand Junction, Colorado January 23, 1957

Liquidation No. 2798 Lot No. OP-247-VS Shippers Lot No. 6

Bought of Joseph W. Walsh c/o Trust Department, U.S. National Bank, Mile High Center Bldg., Denver, Colorado A.E.C. License No. P-3307

Address ~~[illegible]~~

Type of Ore Uranium Bearing Contract No. Date Received 1/4/57

Mining Claim Mystery Sniffer Mining District Newton Pile No. VS-22

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	Cu	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$	Cu
OP 247-VS	77,480	1.7	76,163	0.17		13.0		129.48		9901.	

U3O8	Per Lb.	Per Ton	Short Tons	Total Value
0.17% = 3.4# at	2.90	9.86	38.0815	$375.48
Development allowance 3.4# at	.50	1.70	"	64.74
TOTAL U3O8 PAYMENT		11.56	38.0815	$440.22
Haulage allowance 100 miles @ 6¢ per wet ton mile			38.7400	232.44
TOTAL				$672.66
Less CaCO3 Penalty CaCO3 in excess of 6% (13.0% - 6%) = 7.0% 7.0% @ .30 per unit + $1.00 base =		3.10	38.0815	(-)118.05
TOTAL GROSS PRICE				$554.61
Deductions: Sampling Charge less than 45 ton lot $1.45			6.2600	(-) 9.08
NET PROCEEDS				$545.53

Correct AWC
Checked ODK
Approved HER

Paid January 24, 1957
Voucher No. 1-415.3 15
Check No. 4017

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

ARIZONA MINE LOT NO. 111

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have full right to deliver the same to the Commission.
I certify that I hold A. E. C. Source Material License numbered above.
I hereby transfer to the Commission effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.
I accept the amount as shown above as "Total Gross Price" in full settlement for sums due to me on account of the ore deliveries described herein.

Joseph W. Walsh
Seller or Agent

Seller's assays govern if Seller fails to submit his assays prior to acceptance of payment.

Rates paid are based on U. S. Atomic Energy Commission Published Schedules unless otherwise provided in contract applicable to ore delivery described herein.

By

Title

E915

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

224 New Customhouse
Denver 2, Colorad

Date: February 7, 1957

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field TEam, Region III
Subject: Royalty payments, Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Period: January, 1957

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

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
1956						
12/13	2451	45.827	$61.16	$61.16	$44.91	$44.91
12/27	2610	42.800	104.02	104.02	76.40	76.40
Totals:		88.627	$165.18	$165.18	$121.31	$121.31

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 11 1957

DATE	INITIALS	CODE
2-11	C	220
"	[illegible]	700

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date 247.696

W. M. Traver

W. M. Traver

vj
cc: Royalty File E 915 w/settlement sheets
Monthly Royalty Payment File
J. F. Shaw (2) w/settlement sheets
Chron.

Form No. 0-4 (Rev.) 20M 9-56 W&Y

WESTERN URANIUM PROJECT

LUCIUS PITKIN INC.

Ore Purchasing Agent for United States Atomic Energy Commission

Receiving Station OP- Vitro — Grand Junction, Colorado December 13 1956

Liquidation No. 2451 — Lot No. OP-234VS — Shippers Lot No.

Bought of Joseph W. Walsh — A.E.C. License No. P-2986

Address 4925 Montview Blvd., Denver, Colorado

Type of Ore Hi-Lime — Contract No. AT(05-1)-924 Amend. 1 — Date Received 11/30/56

Mining Claim Mena Mine — Mining District Ralston Creek — Pile No. VS -21

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	Cu	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$	Cu
OP 234VS	92,720	1.15	91,654	0.28	-	12.6		256.63	-	11,548.	

U308	Per Lb.	Per Ton	Short Tons	Total Value
0.28% = 5.6# at	3.50	19.60	45.8270	$898.21
Development allowance 5.6# at	.50	2.80	2	128.32
Premium in excess of 4# per ton (5.6# - 4#) = 1.6# at	.75	1.20	"	54.99
TOTAL U308 PAYMENT		23.60	45.8270	$1,081.52
Haulage allowance 100 miles at 6¢ per wet ton mile			46.3600	278.16
TOTAL				$1,359.68
Less CaCO3 Penalty CaCO3 in excess of 6% (12.6% - 6%) = 6.6% 6.6% @ .30 per unit + $1.00 base =		2.98	45.8270	(-) 136.56
TOTAL GROSS PRICE				$1,223.12
Deductions:				---
NET PROCEEDS				$1,223.12

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

Correct RAY — Paid 12/14/56

Checked ODK — Vo. No. 12/180

Approved HER — Check No. 3719

MENA MINE

LOT NO. 108

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

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

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

I will accept the amount as shown above as "Total Gross Price" in full settlement for sums due to me on account of the ore deliveries described herein.

Joseph W. Walsh

Seller or Agent

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules unless otherwise provided in contract applicable to ore delivery described herein.

By

Title

E 915

Form No. 0-4 (Rev.) 2M 9-56 W-GY

WESTERN URANIUM PROJECT

LUCIUS PITKIN INC.

Ore Purchasing Agent for United States Atomic Energy Commission

Receiving Station GP - Vitro Grand Junction, Colorado December 27, 1956

Identification No. [illegible] Lot No. GP2365S Shippers Lot No. [illegible]

Bought of Joseph H. Walsh A.E.C. Licence No. R-[illegible]

Address 4925 Montview Blvd., Denver, Colorado

Type of Ore Uranium Bearing Contract No. AT(49-1)-224 Amend. 1 Date Received 12/[illegible]

Mining Claim Mina Mico Mining District Ralston Creek File No. V[illegible]

Lot No	Wet Weight Pounds	H2O	Dry Weight Pounds	SETTLEMENT ASSAYS U3O8	V2O5	Cu	CONTENTS POUNDS U3O8	V2O5	Cu
GP 2365S	15,520	3.3	15,599	0.51		12.9	436.55		1,043

	Per Lb.	Per Ton	Short Tons	Total Value
0.51% U3O8 at	3.50	35.70	42.7795	[illegible]
Development allowance 10.2% at	.50	5.10	"	[illegible]
Premium 1% ammonia at $4 per ton (10.2% - 4%) = 6.2% at	.74	6.65	"	[illegible]
Premium in excess of 10% per ton (10.2) - 10% = 0.2% at	.25	.05	"	[illegible]
NET FOB PAYMENT		45.50	42.7795	[illegible]
Haulage allowance 100 miles @ [illegible] per net ton mile			42.7795	[illegible]
[illegible]				[illegible]
Less [illegible]				
[illegible]				
[illegible]				
[illegible]				
[illegible]				
[illegible]				

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

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

224 New Customhouse
Denver 2, Colorado

February 5, 1957

Memorandum

To: E. N. Harshman - w/enclosure
John F. Shaw - " "

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Enclosed is a copy of the Operator's report on work performed under Stage I and request for the Government's approval of work to be performed under Stage II.

The Contract provides for drifting under Stage II of the Contract, with the total estimated cost of Stage II amounting to $7,495.00. However, the Operator requests approval for diamond drilling at a total estimated cost of $8,777.00.

As the proposed Stage II work is a radical deviation from that presently provided for in the Contract, the matter must be forwarded to the Washington Office for their consideration and appropriate action.

Please submit a joint memorandum report of your recommendations in the matter, your report to contain an analysis of the costs of work performed under Stage I and the extent of funds remaining under the Contract.

Original signed by
W. M. TRAVER

W. M. Traver

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 7 1957

DATE	INITIALS	CODE
2-8	C	220
2/8		800
		225

JWT:prl

cc: Chairman, Op. Comm. (2)
Townsend
Corres. file
Chron.

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

224 New Customhouse
Denver 2, Colorad

Date: January 18, 1957

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field TEam, Region III
Subject: Royalty payments, Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Period: December, 1956

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

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
11/16/56	2301	48.015	$95.69	$95.69	$70.58	$70.59 *
Totals:		48.015	$95.69	$95.69	$70.58	$70.59

OFFICIAL FILE COPY
D M E A
RECEIVED JAN 24 1957

DATE	INITIALS	CODE
1-24	C	220
		700

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date 159.069

W. M. Traver

W. M. Traver

vj
cc: Royalty File E 915 w/settlement sheets
Monthly Royalty Payment File
J. F. Shaw (2) w/settlement sheet
Chron.

Form No. 0-4 (Rev.) 20M 9-56 W&Y

WESTERN URANIUM PROJECT

LUCIUS PITKIN INC.

Ore Purchasing Agent for United States Atomic Energy Commission

Receiving Station OP-Vitro — Grand Junction, Colorado November 16, 1956

Liquidation No. 2301 — Lot No. OP-213 VS — Shippers Lot No. 2

Bought of Joseph W. Walsh 7 — A.E.C. License No. P-2986

Address 4925 Montview Blvd., Denver, Colorado

Type of Ore Hi-Line — Contract No. At(05-1)-924 Am.1 — Date Received 11/6/56

Mining Claim Mona Mine — Mining District Ralston Creek — Pile No. VS.

County: Jefferson — State Colorado

Lot No.	Wet Weight Pounds	H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	Cu	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$	Cu
Op213 Vs.	97,940	1.95	96,030	0.42		13.2		403.33		12,676	

U308	Per Lb.	Per TOn	Short TOns	Total Value
0.42 % = 8.4 # at	3.50	29.40	48.0150	$1411.64
Development allowance 8.4 # at	.50	4.20	"	201.66
Premium in excess of 4# per ton (8.4 # - 4#) = 4.4 # at	.75	3.30	"	158.45
TOTAL U308 PAYMENT		36.90	48.0150	$1771.75
Haulage allowance 100 miles @6¢ per wet ton mile			48.9700	293.82
TOTAL				$2065.57
Less CaCO3 Penalty CaCO3 in excess of 6% (13.2 % - 6%) = 7.2 % 7.2 % @ .30 per unit + $1.00 base =		3.16	48.0150	(-)151.73
TOTAL GROSS PRICE				$1913.84
Deductions:				- - - -
NET PROCEEDS				$1913.84

Correct: WSJ
Checked: MPC
Approved: HER

Paid 11/20/56
Vo. NO. 11/284
Check No. 3581

pjp

DMEA
DEPARTMENT OF THE INTERIOR
DEC 27 1956
REGION III
DENVER, COLORADO

LOT NO 107

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Commission.
I certify that I hold A. E. C. Source Material License numbered above.
I hereby transfer to the Commission, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.
I will accept the amount as shown above as "Total Gross Price" in full settlement for sums due to me on account of the ore deliveries described herein.

Joseph W. Walsh
Seller or Agent

Buyers assays govern if Seller fails to submit his assays prior to acceptance of payment.

All rates paid are based on U. S. Atomic Energy Commission Published Schedules unless otherwise provided in contract applicable to ore delivery described herein.

By Joseph W. Walsh

Title Seller & Operator

E915

RECEIVED
JAN 1957
D.M.E.A.

COPY COPY COPY

Form AEC-300A
(6-51)

Form approved.
Budget Bureau No. 38-R043.1.

U. S. ATOMIC ENERGY COMMISSION

APPLICATION FOR BONUS PAYMENT

For ore delivered on or after March 1, 1951, in accordance with AEC Domestic Uranium Program Circular 6

1. NAME OF APPLICANT: JOSEPH W. WALSH

2. MAILING ADDRESS: 4925 Montview Blvd. DENVER 7, COLORADO

3. NAME OF MINING PROPERTY: MENA MINE

4. MINING DISTRICT: RALSTON CREEK AREA COLO. DIST., (DAO), JEFFERSON COUNTY, COLORADO

5. DATE: NOVEMBER 24, 1956

6. AEC LICENSE NO.: P-2986

7. MINING PROPERTY CERTIFICATION NO.: D. U. P. C6-C-800

No application for bonus payment will be considered on shipments from any mining property which has not been certified.

8. ORE SHIPMENTS DELIVERED TO AND PAID FOR BY LUCIUS PITKIN, INC.- WESTERN URANIUM PROJECT (Mill or station)

LOCATED AT GRAND JUNCTION, COLORADO

DATES OF SETTLEMENT	(Fill in either) LIQUIDATION NO.	CHECK NO.	DRY TONS, ORE	GRADE U_3O_8	POUNDS U_3O_8	BONUS PAYMENT PER POUND U_3O_8	AMOUNT OF BONUS PAYMENT	
11/16/56	2301	3581	48.0150	0.42	403.33	$3.50	$ 1411	65
						TOTAL,	$ 1411	65

(If more space is needed, use a sheet of paper the same size as this page)

JOSEPH W. WALSH
Joseph W. Walsh
OWNER-OPERATOR
11/24/56

FOR USE BY ATOMIC ENERGY COMMISSION ONLY

Above check received Dec. 18, 1956.

ACCOUNTING CLASSIFICATION	AMOUNT

DMEA
MENT OF THE INTERIOR
DEC 20 1956
REGION III
DENVER, COLORADO

RECEIVED
JAN 24 1957
D.M.E.A.

12-13-56

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

224 New Customhouse
Denver 2, Colorad

Date: December 11, 1956

RECEIVED DEC 13 1956 D.M.E.A.

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field TEam, Region III
Subject: Royalty payments, Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado
Period: November, 1956

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

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
			NONE			

* Additional payment on Lot #1616 and AEC Bonus on Lots R-1513, R-1593, 1616 and R-1602.

Totals:

Past Due Royalties Collected	$80.55 *
Total Dry Tons (Ore or Cons.) Shipped to Date	111.054

W. M. Traver

vj
cc: Royalty File E 915 w/settlement sheets
Monthly Royalty Payment File
J. F. Shaw (2)
Chron.

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

December 4, 1956

MEMORANDUM

To: Catherine Curtin, Statistics and Control Division

From: Hazel Berry, Operating Committee

Subject: Amendments to Contracts

Attached are the following docket copies of amendments to contracts which have been reviewed and approved by the commodity divisions and the Contract Administration and Audit Division.

These amendments do not require clearance by the Legal Division:

Joseph W. Walsh, DMEA-3919, Idm-E915, Amendment No. 2.

Western Mining and Exploration Co., DMEA-3935, Idm-E904, Amendment No. 3.

Union Mines, Inc., DMEA-4136, Idm-E995, Amendment No. 2.

The New Jersey Zinc Co., DMEA-4153, Idm-E950, Amendment No. 2.

Coso Uranium, Inc., DMEA-4191, Idm-E994, Amendment No. 1.

Vulcan Silver-Lead Corp., DMEA-4225, Idm-E984, Amendment No. 1.

Adams Uranium Co., Inc., DMEA-4244, Idm-E986, Amendment No. 1.

Westmont Explorations Limited, DMEA-4317, Idm-E985, Amendment No. 1.

Hawk Mining Co., DMEA-4337, Idm-E977, Amendment No. 2.

Attachments-9

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

November 26, 1956

Memorandum

To: Hazel Berry, Operating Committee

From: Grace L. Ault, Rare & Miscellaneous Metals Division

Subject: Amendment to Contract

Mr. Knouse has reviewed and approved Amendment No. 2 to Contract No. Idm-E915, dated November 14, 1956, Docket No. DMLA-3919, Joseph W. Walsh.

Grace L. Ault

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

224 New Customhouse
Denver 2, Colorado

November 19, 1956

RECEIVED
NOV 23 1956
D.M.E.A.

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 3919 (Uranium), Contract No. Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Enclosed are the original and two copies of Amendment No. 2 to Contract No. Idm-E915, which has been executed to extend the date fixed on or before which work is to be completed from December 1, 1956 to May 1, 1957 and to extend the maximum period for payment of royalties from ten years to eleven years.

Also enclosed are four copies of the Operator's letter of November 9, 1956, requesting the extension of the completion period.

Copies of the Amendment have been distributed to the Operator, the Finance Office, Region III, and to others concerned.

W. M. Traver

W. M. Traver

Enclosures

DMEA
DEPARTMENT OF THE INTERIOR
NOV 13 1956
REGION III
DENVER, COLORADO

4925 Montview Blvd.
Denver, Colorado
November 9, 1956

RECEIVED
NOV 13 1956
D.M.E.A.

Executive Officer, DMEA
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA-3919 (Uranium)
Contract Idm-E-915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Sir:

Amendment No.1 to this contract granting an extension of completion is about to expire. The completion expiration date is now December 1, 1956.

Stage I of this contract has been completed. Stage II has not been approved or disapproved as yet and as a result has not yet been started.

As soon as I can complete all of the necessary facts and figures I am going to present them to you and request some revisions in Stage II. This is going to take me some time and it will of course take your departmentsome time to approve or reject Stage II of this contract after I have submitted the requset.

With this time element taken into consideration and also bearing in mind normal inclement weather that we will have to contend with the next few weeks and months I wish to hereby request an additional 150 days extension of time or until May 1, 1957 to complete this contract.

In making this request for additional time for approval and completion of Stage II I do not now wish to mmake any other requests as to costs, independent contracts, direction and so forth.

With these facts in mind I would greatly appreciate the extension of time requested on this contract.

Very truly yours,

Joseph W. Walsh

Joseph W. Walsh
Operator

1 - Original
5 - Copies

11-15-56

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

224 New Customhouse
Denver 2, Colorado

Date: November 13, 1956

RECEIVED NOV 15 1956 D.M.E.A.

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado
Period: October, 1956

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

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.

Totals:

Past Due Royalties Collected $5.73
Add'l payment on Lot #R-1602 per our ltr 10/3/56 to Joseph W. Walsh
Total Dry Tons (Ore or Cons.) Shipped to Date

W. M. Traver

W. M. Traver

vj
cc: Royalty File E 915 w/settlement sheets
Monthly Royalty Payment File
J. F. Shaw (2)
Chron.

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

224 New Customhouse
Denver 2, Colorado

October 29, 1956

Mr. Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Re: Docket DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Walsh:

Form MF-104, Operator's Monthly Report and Voucher for September, 1956 has been received in this office and is being processed for payment. Several deductions have been made as follows

Disallowances

1) The contract allowance of 200 feet of drifting in the north adit has been exceeded by 2/12 of a foot, the cost of which is disallowed.
2) The maximum allowable cost per foot for the acceptable drifting was exceeded during September. The excess cost is disallowed.
3) The cost of five sample analyses was reported at $5.00 per sample. Your report indicates that only four samples were analysed for U_3O_8, therefore the cost of one sample is disallowed.

Amount Withheld

Stage I work has been completed, therefore an amount of $500.00 is withheld from reimbursement to you pending possible

additional work under the contract. If additional work is not approved by the Government and performed by you, the amount of $500.00 shall continue to be held pending resolution of matters relative to closing the account, which includes

1. Rendering to the Government a final report in conformance with Article 7 (c) of the contract form.

2. Release to this office of a Report of Review of contract expenditures by the Contract Administration and Audit Division, DMEA.

If you have any question regarding the above, please feel free to contact this office.

Very truly yours,

Original signed by
W. M. TRAVER

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

JDC:jy
cc: Corresp. E915
Chm. Op. Comm. (2)
Shaw (2)
Harshman
Townsend
Chron.

OCT 12 1956

RECEIVED

OCT 13 1956

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

224 New Customhouse
Denver 2, Colorado

Date: October 10, 1956

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado
Period: September, 1956

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

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
1956						
9/6	R-1593	28.418	$50.22	$50.22		
9/4	1616	65.062	33.65	33.65		
9/21	R-1602	15.753	24.81	19.08 *		
Totals:		109.233	$108.68	$102.95		

Past Due Royalties Collected $0.79
Additional payment due on Lot R-1513 dtd 7/24/56.
Total Dry Tons (Ore or Cons.) Shipped to Date 111.054

E. M. Hawkman
for W. M. Traver

vj

cc: Royalty File E915 w/settlement sheets
Monthly Royalty Payment File
J. F. Shaw (2) w/settlement sheets
Chron.

1

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

RECEIVED

2

ORE SETTLEMENT

OCT 1 3 1956

Receiving Station Rifle, Colorado Rifle, Colorado, September 6, 1956

Liquidation No. R-1593 Lot No. See Lot Detail Shippers Lot No.

Bought of J. W. Walsh A.E.C. License No. P-2985

Address 4425 Montview Blvd, Denver 7, Colorado

Type of Ore Carnotite Date Received 8-27-56 & 8-31-56

Mining Claim Mena Mine Mining District Unorganized Jefferson County, Colorado Pile No.

Lot No.	Net Weight Pounds	% H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	V_2O_5	$CaCO_3$	CONTENTS POUNDS U_3O_8	V_2O_5	$CaCO_3$
				~~Assay~~	~~Assay~~				
	57180	0.6	56836.42	0.37	0.07	16.2	207.59	37.68	9184.36

PRICED PER A.E.C. CIRCULAR NO. 5 (Revised)

	POUNDS	PER LB.	DRY SHORT TONS	PER TON	VALUE	TOTAL VALUE
U308 Payment	207.59	3.50	28.42		726.57	
Development Allowance	207.59	.50	28.42		103.80	
Excess 4 lbs. per ton Premium	93.91	.75	28.42		70.43	
Excess 10 lbs. per ton Premium						
Total U308 Payment						900.80
V205 Payment	37.68	.31	28.42		11.68	
Total V205 Payment						11.68
Less High Lime Penalty over 6% CaCo3						
Base Penalty				1.00		
16.2% − 6.0% = 10.2% Penalty @ $ .03 per 1/10th			28.42	3.16		
TOTAL						115.39
Haulage Allowance 100 Miles 28.57 Wet Tons @ .0725 per wet ton mile						207.28
Total U308, V205 and Haulage Payment						1004.37

E915

1c

I certify that I am the lawful owner or authorized Representative of the Lawful Owner, of the Ore described in this Settlement Sheet and have legal right to deliver the same to the Commission.
I certify that I hold A. E. C. Source Material License numbered above.
I hereby transfer to the Commission, effective as of the date of delivery of the ore, all my right, title and interest in and to said ore.
I will accept the amount as shown above as "Total Gross Price" in full settlement for sums due to me on account of the ore deliveries described herein.

Joseph W. Walsh
Seller or Agent

By Joseph W. Walsh

Title Owner & Operator

Should actual assays of Seller fails to submit his assays prior to acceptance of payment.

All prices will be based on U. S. Atomic Energy Commission Published Schedules unless otherwise specified in contract covering the delivery described herein.

E 915

UNION CARBIDE NUCLEAR COMPANY

URANIUM COMPANY

A Division of Union Carbide and Carbon Corporation

PUEBLO, COLORADO

Pueblo

Rocky Mt. Co. LOAD DATA

PERIOD 8-1-56 thru 8-31-56

Mr. Ed. Gerdes ADDRESS

Mesa Verde

DATE	LOAD NO.	POUNDS	H_2O	POUNDS DRY WGT	U_3O_8 GRADE	POUNDS U_3O_8	V_2O_5 GRADE	V_2O_5	[illegible]	[illegible]
8-27	15773	14000	0.0	14000.00	0.[illegible]	5[illegible].46	[illegible]	[illegible]	16.3	[illegible]
8-29	15794	24000	0.0	24000.50	0.26	36.19	[illegible]		[illegible]	[illegible]
8-31	15855	16000	0.0	16000.00	0.26	6[illegible].26	[illegible]	[illegible]	[illegible]	[illegible]
		54000	0.0	54000.00	0.27	2[illegible].59	[illegible]	[illegible]	[illegible]	[illegible]

2

UNION CARBIDE NUCLEAR COMPANY
A Division of Union Carbide and Carbon Corporation

RECEIVED
OCT 12 1956

ORE SETTLEMENT

Receiving Station: Rifle Colorado — Rifle, Colorado, September 21, 1956

Liquidation No.: R-1602 — Lot No.: See load detail — Shippers Lot No.:

Bought of: J. W. Walsh — A.E.C. License No.: P-2986

Address: 4925 Montview Blvd, Denver 7, Colo

Type of Ore: Carnotite — Date Received: 9-1-56 Thru 9-15-56

Mining Claim: Mana Mine — Mining District: Ulung - Ralston Creek, Jefferson Co Colo — Pile No.:

Lot No.	Net Weight Pounds	% H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS U_3O_8	SETTLEMENT ASSAYS V_2O_5	SETTLEMENT ASSAYS $CaCO_3$	CONTENTS POUNDS U_3O_8	CONTENTS POUNDS V_2O_5	CONTENTS POUNDS $CaCO_3$
	31600	0.3	31506.08	approx average 0.32	—	13.5	101.07	—	4248.78

PRICED PER A.E.C. CIRCULAR NO. 5 (Revised)

	POUNDS	PER LB.	DRY SHORT TONS	PER TON	VALUE	TOTAL VALUE
U308 Payment	101.07	3.50	15.75		353.75	
Development Allowance	101.07	.50	15.75		50.54	
Excess 4 lbs. per ton Premium	38.07	.75	15.75		28.55	
Excess 10 lbs. per ton Premium						
Total U308 Payment						432.84
V205 Payment	—	—	—		—	
Total V205 Payment						—
Less High Lime Penalty over 6% CaCo3						
Base Penalty				1.00		
13.5 % - 6.0 % = 7.5 % Penalty @ $ .03 per 1/10th			15.75	2.25		
TOTAL						51.19
Haulage Allowance 100 Miles 15.80 Wet Tons @ .0725 per wet ton mile						114.55
Total U308, V205 and Haulage Payment						496.20

E915

1000-3-55-Rifle Telegram

UNION CARBIDE NUCLEAR COMPANY

[redacted] VANADIUM COMPA[redacted]

A Division of Union Carbide and Carbon Corporation

RIFLE, COLORADO

Purchased Ore LOAD DETAIL

PERIOD 4-1-56 thru 4-15-56

NAME J. W. Walsh ADDRESS Denver Colo

CLAIM Mesa Mine

DATE SHIPPED	TICKET NUMBER	POUNDS ORE	% H_2O	POUNDS DRY ORE	U_3O_8 GRADE	POUNDS U_3O_8	V_2O_5 GRADE	POUNDS V_2O_5	$CaCO_3$ GRADE	POUNDS $CaCO_3$
4-4	47288	15360	0.4	15298.56	0.47	71.90	—	—	14.0	2141.20
4-7	47408	16240	0.2	16207.52	0.18	29.17	—	—	13.0	2106.88
		31600	0.3	31506.08	0.32	101.07	—	—	13.5	4248.78

TOTAL

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

RECEIVED
OCT 4

224 New Customhouse
Denver 2, Colorado

October 3, 1956

Mr. Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Re: Royalty Payments, Docket DMEA-3919 (Uranium)
Contract No. Idm-E915, Joseph W. Walsh
(Mena Mine) Jefferson County, Colorado

Dear Mr. Walsh:

We return herein your personal copy of the Load Detail Sheet which applies to Liquidation No. R-1593.

Settlement sheets with Load Detail sheets and partial royalty payment of $19.08 on Mena Mine production have been received from the Union Carbide Nuclear Company, Rifle, Colorado. Royalty on this production was computed omitting the applicable haulage allowance.

Such allowance received by you from the sale of ore is considered to be part of the purchase price to which the Government's royalty applies. You are therefore advised that the correct royalty is $24.18 instead of $19.08, leaving a balance of royalty due for this production of $5.73.

Your check for $5.73 should be made payable to the Defense Minerals Exploration Administration and sent to the Executive Officer, DMEA Field Team, Region III, 224 New Customhouse, Denver 2, Colorado.

Very truly yours,

W. M. TRAVER

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

Encl.
MM:bh
cc-Sec. Op. Comm. (2)
Shaw (2)
Marshall
Roy. File E-915
Corres. File E-915
Chron.

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

RECEIVED
SEP 10 1956

224 New Customhouse
Denver 2, Colorado

September 17, 1956

Mr. Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Re: Royalty Payments, Docket DMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado

Dear Mr. Walsh:

To date, we have received copies of settlement sheets on two liquidations for which royalty is due the Government as follows:

Union Carbide Nuclear Company, Purchaser

Liq. No.	Date	Royalty Due	Royalty Paid
R-1513	7/24/56	$ 7.19	$ 6.40
R-1593	9/6/56	50.22	39.85
		$57.41	$46.25
		-46.25	
Balance of Royalty Due (Exclusive of AEC Bonus)		$11.16	

Should you qualify to receive AEC Bonus on initial production, further royalty will be due on the two listed Liquidations.

We note that settlement sheets for Liquidation No. 1593 was submitted to this office without copies of the supporting load detail sheets. You are requested to provide this office with the necessary load detail and in the future instruct your purchaser to furnish us with four (4) copies of a load detail sheet when settlement is made with one settlement covering a series of individual shipments. The load detail must show the dry weights and assay of each shipment, which in turn assures the Operator and the Government of accuracy and serves as a permanent record which may be subjected to inspection in the future.

RECEIVED
SEP 1 0 1956

Please send your check for $11.16 to the Executive Officer, DMEA Region III, Room 224 New Customhouse, Denver 2, Colorado. Checks are to be made payable to the Defense Minerals Exploration Administration.

Incidently, we have not received a copy of settlement sheets for recent sales of uranium ore to Lucius Pitkin, Inc. stated to be forthcoming per our telephone conversation of September 12, 1956.

Yours very truly,

W. M. TRAVER

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

MHM/vj

cc: Royalty File E915
Corres. File E915
Sec. Opr. Comm. (2)
J. F. Shaw (2)
Marshall
Chron.

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

RECEIVED
SEP 17 1956

224 New Customhouse
Denver 2, Colorado

September 13, 1956

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh (Hoffmeister prospect) Jefferson County, Colorado - Interim Geologic Report

Enclosed are the original and three copies of an Interim Report, dated September 10, 1956, by Robert U. King, Geologist, U. S. Geological Survey, covering operations under the subject contract through August 31, 1956.

W. M. Traver

W. M. Traver

Enclosures

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

RECEIVED DMEA
SEP 17 1956
DEPARTMENT OF THE INTERIOR
SEP 12 1956
REGION III
DENVER, COLORADO

September 10, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III
Through: E. N. Harshman

From: Robert U. King

Subject: Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister prospect), Jefferson County, Colorado. INTERIM GEOLOGIC REPORT.

The subject property was visited on August 31, 1956, by R. U. King and D. M. Sheridan, Geological Survey, for the purpose of checking progress under the Contract Idm-E915.

A previous geologic inspection was made on April 3, 1956, at which time the south adit had been driven 27 feet on a bearing of S. 30° E. from the point of origin.

The operator had advanced the south adit a total distance of about 217 feet, virtually the amount allowed under Stage I of the contract. The north adit has been driven about 115 feet, leaving about 85 feet of advance under Stage I. The operator stated that he expected to accomplish this by about October 1, 1956.

From 27 feet to the face, the south adit bears from S. 60° E. to S. 80° E. and has followed what appears to be a minor shear or fracture zone related to the main breccia reef. Some radioactivity was encountered along the shear followed by the adit, but no ore-grade material was encountered.

The operator on his own account drove a branch drift S. 20° E. for a distance of about 40 feet, beginning about 30 feet from the portal in an attempt to recover what he believes to be the main breccia reef and along which the uranium deposits are most likely to be found. The operator also stated that he was planning to continue driving on the branch drift on his own.

The north adit has followed the main breccia reef and is in the mineralized structure at the face. The adit bears N. 45° W. for about 40 feet and then about N. 15° W. to the face.

The reef is radioactive for the entire distance followed, but significant mineralization is restricted to the last 50 feet. Stringers of pitchblende associated with veinlets of tennantite occur in a quartz-feldspar-carbonate-hematite gangue as much as 4 feet wide.

Approximately 100 tons of uranium ore containing about 0.5 percent U_3O_8 have been mined to date from a small lens near the portal of the south adit and from the shoot in the north adit near the face.

Because of the apparent difficulty of recognizing the main breccia reef structure along its southeastward projection, careful scrutiny should be made of the operator's request for Stage II exploration in the south adit.

E. M. Hausman

for Robert U. King
Geologist

8/14/56

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

224 New Customhouse
Denver 2, Colorado

Date: August 8, 1956

RECEIVED AUG 13 1956

Memorandum

To: Chairman, Operating Committee, DMEA
From: Executive Officer, DMEA Field Team, Region III
Subject: Royalty payments, Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister Prospect), Jefferson County, Colorado
Period: July, 1956

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

Date	Lot No.	Dry Tons	Royalty Due	Royalty Paid	Bonus Roy. Due	Bonus Roy. Pd.
7/24/56	R-1513	1.821	$7.19	$6.40 *		

Totals:

Past Due Royalties Collected None

Total Dry Tons (Ore or Cons.) Shipped to Date 1.821

W. M. Traver

W. M. Traver

vj
cc: Royalty File E 915 w/settlement sheets
Monthly Royalty Payment File
J. F. Shaw (2)
Chron.

RECEIVED
AUG 13 1956
Rifle Colorado

UNION CARBIDE NUCLEAR COMPANY
UNITED STATES VANADIUM COMPANY
A Division of Union Carbide and Carbon Corporation

ROYALTY PAYMENT STATEMENT

Date July 25, 1956

ROYALTY DUE: Defense Minerals Exploration Adm.
Bureau of Mines
New Custom House
Denver Colorado

FOR ORE PURCHASED FROM J. W. Walsh
4925 Montview Blvd
Denver Colo

BASIS: 5% ore value excluding hauling allowance only

TOTAL ORE VALUE, LIQUIDATION NO. R-1513 $ 143.89

LESS: HAULING ~~& DEVELOPMENT~~ ALLOWANCES $ 15.92

$

NET AMOUNT OF ROYALTY BASIS $ 127.97

ROYALTY AT 5 % $ 6.40
(651)

Form SD 18—Rifle
2000—7 54—The Sentinel Printers

1 W

UNION CARBIDE NUCLEAR COMPANY
A Division of Union Carbide and Carbon Corporation

RECEIVED
AUG 13 1956

ORE SETTLEMENT

Receiving Station: Rifle Colorado — Rifle, Colorado, July 24, 1956

Liquidation No.: R-1513 — Lot No.: R-45431 — Shippers Lot No.:

Bought of: J. W. Walsh — A.E.C. License No.: P-2986

Address: 4925 Montview Blvd Denver 7, Colo

Type of Ore: Carnotite — Date Received: 7-14-56

Mining Claim: Mesa Mine — Mining District: Unorganized - Polston Creek Jefferson Co Colo — Pile No.:

Lot No.	Net Weight Pounds	% H_2O	Dry Weight Pounds	SETTLEMENT ASSAYS			CONTENTS POUNDS		
				U_3O_8	V_2O_5	$CaCO_3$	U_3O_8	V_2O_5	$CaCO_3$
	3660	0.5	3641.70	0.79	0.25	18.6	28.77	9.10	677.36

PRICED PER A.E.C. CIRCULAR NO.

	POUNDS	PER LB.	DRY SHORT TONS	PER TON	VALUE	TOTAL VALUE
U308 Payment	28.77	3.50	1.82		100.70	
Development Allowance	28.77	.50	1.82		14.39	
Excess 4 lbs. per ton Premium	21.49	.75	1.82		16.12	
Excess 10 lbs. per ton Premium	10.57	.25	1.82		2.64	
Total U308 Payment						133.85
V205 Payment	9.10	.31	1.82		2.82	
Total V205 Payment						2.82
Less High Lime Penalty over 6% CaCo3						
Base Penalty				1.00		
18.6 % - 6.0 % = 12.6% Penalty @ $ .03 per 1/10th			1.82	3.78		
TOTAL						8.70
Haulage Allowance 100 Miles 1.83 Wet Tons @ .087 per wet ton mile						15.92
Total U308, V205 and Haulage Payment						143.89

E915

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

RECEIVED
AUG - 3 1956

224 New Customhouse
Denver 2, Colorado

August 1, 1956

Mr. Joseph W. Walsh
4925 Montview Boulevard
Denver 7, Colorado

Re: Docket DMEA 3919 (Uranium),
Contract Idm-E915
Joseph W. Walsh
(Hoffmeister Project)
Jefferson County, Colorado

Dear Mr. Walsh:

Reference is made to your letter of July 28, 1956, wherein you request approval of this office for you to perform the drifting under the contract yourself in lieu of subcontracting the work.

Inasmuch as Footnote 1/ in Exhibit "A" attached to the contract provides that you may elect to perform the drifting in lieu of an independent contract, therefore this constitutes the Government's concurrence in your performing the work as you request.

It will be necessary that your claim for reimbursement on form MF-104 be supported by documentation of each item of charge incident to performing the work as outlined in the instructions on the reverse side of form MF-104.

If there is any doubt in your mind as to the nature and extent of documentation required, it is suggested that you contact this office prior to submitting your accounting report.

Very truly yours,

W. M. Traver

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

JWT:prl
cc: Chairman, Op. Comm. (2)
Finance Office, Reg. III
Harshman
Shaw (2)
Townsend
Corres. file
Amendment file, Reg. III
Chron.

w/copy of Operator's letter of July 28.

RECEIVED

AUG - 3 1956

DMEA
Date Rec'd.

JUL 30 1956

BUREAU OF MINES
Denver, Colorado

4925 Montview Blvd.
Denver 7, Colorado
July 28, 1956

Executive Officer, DMEA
Field Team, Region III
224 New Customhouse
Denver 2, Colorado

Re: Docket DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Sir:

During the period of this Contract I have subcontracted all of the drifting work, tractor with dozer work and chemical analyses work.

To date the progress of the drifting contractor has been so slow and preformed in such a manner that I can no longer continue with this present contractor. Since July 15th of this year to date, a period of twelve (12) working days this contractor has driven only fourteen (14') feet of drift for an average of only 1.17' feet per working day on this contract. At this rate of driving drift it will take them 115 working days to complete Stage I of this contract and it will require them 192 additional working days to complete Stage II of this contract should the Government approve it. This contractor's over all average has been 2.25' feet per working day since the inception of the contract. This drifting progress suddenly is getting worse with them instead of better.

Yesterday, July 27, 1956, I advised this subcontractor that as of midnight July 31, 1956 the contract between them and myself as operator for the drifting would be terminated. They accepted this termination instruction and will complete their contract work for me on this July 31, 1956.

Rather than become involved with another contractor I hereby request of you the right to perform this drifting myself in lieu of an Independent Contractor. As operator I have all of the necessary equipment such as compressor, mucking machine, mine cars, drifting machines, rails, pipe, water tanks, fuel tanks, hand tools etc. to use on this drifting work as soon as I move them onto this location. Also I have experienced, qualified miners for this particular work if I am allowed to operate it myself. It will take approximately two days for me to move in and set up my own machinery on this job and be into the drifting operation.

Footnote 1/, Stage 1, Page 2, Exhibit "A" of Contract

Idm-E915 states, " 1/The operator may elect to perform the drifting in lieu of an Independent Contract, and in such event the estimates for labor under Category (2) and the estimates for Categories (3) through (7) are waived: Provided, however, that the Government will contribute to those actual costs that do not exceed on an average the estimated unit cost for drifting, computed monthly. However, allowable costs under a stage of work which exceed said maximum units may be credited against subsequent monthly vouchers for the same stage up to said maximum units. The waiver of Category (7) does not apply to estimated costs of chemical analyses.

In your letter dated February 7, 1956, Paragraph 2, Page 2, it reads, "In the event you desire to perform the work under Category (1) on company account, instead of subcontracting it as provided in the contract, it will be necessary that you obtain written approval from this office prior to commencing any of the work,

Thus, considering all of the above matter I would like to have this letter accepted as my written application to perform this drifting work myself on company account.

In making this request it is not my intention to ask for any increase in the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, nor any item of allowable cost which is expressly designated "maximum."

Very truly yours,

Joseph W. Walsh

Joseph W. Walsh
Operator

JWW;SH

Original
5 - Copies

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

July 31, 1956

Memorandum

To: Hazel Barry, Operating Committee

From: Grace L. Ault, Rare and Miscellaneous Metals Division

Subject: Amendment to contract

Mr. Knouse has reviewed and approved Amendment No. 1, dated July 17, 1956, to Contract No. Idm-E915, Docket No. DMEA-3919, Joseph W. Walsh, and he has indicated that no further review of the amendment is required.

/s/ Grace L. Ault

Grace L. Ault

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

RECEIVED
JUL 30 1956

224 New Customhouse
Denver 2, Colorado

July 26, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister Project), Jefferson County, Colorado

Enclosed are the original and two copies of Amendment No. 1 to Contract Idm-E915, which has been executed under authority delegated to this office, to extend the date fixed for completion of the work from August 1, 1956, to December 1, 1956.

Also enclosed are four copies of the Operator's letter requesting the time extension.

Copies of the Amendment have been distributed to the Operator, the Finance Office, Region III, and to other offices concerned.

W. M. Traver

W. M. Traver

Enclosures

DMEA
Date Rec'd.

JUL 17 1956

BUREAU OF MINES
Denver, Colorado

4925 Montview Blvd.
Denver 7, Colorado
July 16, 1956

Executive Officer, DMEA
Field Team, Region 3
224 New Customhouse
Denver 2, Colorado

RECEIVED
JUL 30 1956

Re: Docket DMEA-3919(Uranium)
Contract Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Sir:

This is to advise you that it will be impossible for me to complete all authorized work, for Contract Idm-E915, by the completion date of August 1, 1956.

As of the end of the working day of July 15, 1956 there has been completed 224 feet of drifting southeasterly from the adit portal along the mineralized breccia vein. Also 51 feet of drifting northwesterly from the adit portal along the mineralized breccia vein has been completed.

This leaves 149 feet of drifting northwesterly to complete Stage 1 of the Contract and all of Stage 2 that might be approved by the Government to be completed.

I hereby wish to request of you a sixty (60) day extension of time to complete Stage 1 of this contract or until October 1, 1956. Stage 2, should it be approved by the Government, is set up on a basis of one and three-quarter (1 3/4) months to complete drifting. I hereby wish to request that Stage 2 be extended 60 days beyond October 1, 1956 to December 1, 1956 should the Government approve all of Stage 2. In making this request for additional time for completion I do not now wish to make any other requests as to costs, independent contract, direction etc.

There are a number of reasons why this drifting has progressed slower than originally anticipated. Most outstanding problems have been that of machinery and manpower. As per the Contract I, as Operator, let the drifting contract work to the firm of Peart and Swerdfeger of Boulder, Colorado. Within seven days after I let this contract to this firm Mr. Peart, co-partner of the firm, was taken seriously ill and died late in May of this year in a Denver hospital. Mr. Peart, being the mining engineer of their firm, was the partner who directed the firm and its mining contracts. His illness and death

Re: Docket DMEA-3919(Uranium)
Contract Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

caused a severe hardship on the drifting contract this firm and I had and as a result the first sixty (60) days that we were in operation were most slow. I could give you many of the reasons for the delays but will just name a few of the most important - (1) Before the Contractor had a large enough compressor on this job they brought in and took out three (3) different compressor units. (2) Their manpower turnover was almost weekly. (3) They were most lax in keeping necessary supplies on the job, and so on. After contending with these problems for what I considered was more than enough time even with the serious illness in their organization I advised them on May 11, 1956 that unless certain corrective measures were taken by May 15, 1956 that I considered our contract breeched and terminated. They did adjust these problems and have been doing a good job of contract drifting since that time. Had Mr. Peart remained in good health, as he was when we signed the contract , and lived, I am confident that this Contract Idm- E915 we would have finished ahead of schedule.

As my monthly reports to you have shown we have opened and exposed some excellent uranium ore.

With these facts in mind I would greatly appreciate the extension of time requested on this contract.

Very truly yours,

Joseph W. Walsh

Joseph W. Walsh

JWW/SH

Encl. Original
Five Copies

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
JUL 23 1956

July 20, 1956

Memorandum

To: E. W. Ellis, Chief, Division of Rare and Misc. Metals, DMEA

From: Commodity-Industry Analyst
Branch of Rare and Precious Metals

Subject: Review of Field Team Final Report DMEA-3916, Word (Ida Vespa) Mine, (beryl) Troup County, Georgia, by Wm. A. Beck and L. E. Shirley, Bureau of Mines Engineers, and A. R. Taylor, Geological Survey Geologist.

A review of the above subject report shows that rock excavated from 2 crosscut trenches about 10 feet apart produced 65 and 19 pounds of beryl respectively. Part of one trench was deepened by shaft to a depth of 20 feet. From this excavated rock, 140½ pounds of beryl was obtained. A total of 224½ pounds of beryl was sorted from the two trenches and the shaft. According to past history, it was reported that about a ton of beryl was recovered near the site of the present shaft.

From the work done recently, the beryl-bearing area appears to have only little length, width, and depth. Additional crosscut trenches excavated to the southwest and northeast of this confined area showed little or no beryl and thinning of the deposit. The deposit is too low grade to be of economic value at this time.

I agree in the recommendations made by the field examiners.

Donald E. Eilertsen

Donald E. Eilertsen

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

RECEIVED
JUL 16 1956

224 New Customhouse
Denver 2, Colorado

July 13, 1956

Mr. Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Re: Docket DMEA-3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Walsh:

The completion date for Contract Idm-E915 is August 1, 1956. If, for good reason, you anticipate that all authorized contract work cannot be completed by the above date, you should, as soon as possible, submit for the Government's consideration a request for extension of the completion date for such specific additional time as will be required to complete the contract work. The original and five copies of such requests are required by this office.

Very truly yours,

W. M. TRAVER

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

JDC:jy
cc: Corresp. E915
Sec. Op. Comm. (2)
Shaw (2)
Townsend
Chron.

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

RECEIVED
JUN 11 1956

224 New Customhouse
Denver 2, Colorado

June 7, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh (Hoffmeister prospect), Jefferson County, Colorado Change of Address

Attached is a copy of a letter from the subject operator whereby he submits a change of address as follows:

Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

W. M. TRAVER

W. M. Traver

Enclosure

MEM/vj

cc: Royalty File E915 w/cy ltr
Correspondence File E915 w/orig. ltr
Sec. Opr. Comm. (2) w/copies ltr
J. F. Shaw (2) " "
E. E. Harshman w/cy ltr
J. W. Townsend " "
Chron.

RECEIVED
JUN 11 1956
DMEA
Date Rec'd.
JUN 6 1956
BUREAU OF MINES
Denver, Colorado

June 2, 1956
4925 Montview Blvd.
Denver 7, Colorado

Executive Officer, DMEA
Field Team, Region 3
224 New Customhouse
Denver, Colorado

Re: Locket DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
Jefferson County, Colorado

Dear Sir:

As I am today moving my office quarters I would appreciate it if you would accept the following new address and direct all of my correspondence to it.

Joseph W. Walsh
4925 Montview Blvd.
Denver 7, Colorado

Telephone Florida 5-4712

Very truly yours,
Joseph W. Walsh
Joseph W. Walsh

1 - Original
5 - Copies

2/13/56

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

RECEIVED
FEB 13 1956

224 New Customhouse
Denver 2, Colorado

February 10, 1956

Memorandum

To: T. A. Christensen

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3919 (Uranium) Contract Idm-E915, Joseph W. Walsh, Jefferson County, Colorado - Change of Address

Attached is a copy of a letter from the subject operator whereby he submits a change of address as follows:

Joseph W. Walsh
Room 1028, First National Bank Building
Denver 2, Colorado

W. M. TRAVER

W. M. Traver

Enclosures
JDC:jy
cc: Corresp. E915)
Sec. Op. Comm. (3))
Shaw) w/copy operator's letter
Harshman)
CAAD, DMEA)
Townsend)
Chron.

RECEIVED
FEB 13 1956

MARY OIL AND URANIUM COMPANY

1028 ~~822~~ First National Bank Building
CHerry 4-2744
Denver 2, Colorado

JOSEPH W. WALSH

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

February 8, 1956

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

Re: Docket DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
Jefferson County, Colorado

Dear Sir:

This is to advise you that I have moved, and my new address is Room 1028 First National Bank Building, Denver 2, Colorado, instead of Room 830, as referred to in contract above.

Sincerely yours,

Joseph W. Walsh

JWW EG

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

RECEIVED
FEB 13 1956

224 New Customhouse
Denver 2, Colorado

February 8, 1956

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3919 (Uranium), Contract Idm-E915, Joseph W. Walsh, Jefferson County, Colorado

Enclosed are the Government's, Division, and Docket copies of the Exploration Project Contract Idm-E915, which was forwarded by your letter of February 3, 1956, for signature by the applicant.

Also enclosed are two copies of a letter from this office, dated February 7, 1956, forwarding the Operator his copy of the contract and providing forms and instructions relative to reporting on work performed under the contract.

Copies of the contract have been given to the Finance Office, Region III, and distributed to other offices concerned.

W. M. Traver

W. M. Traver

Enclosures

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

RECEIVED
FEB 10 1956

224 New Customhouse
Denver 2, Colorado

February 7, 1956

Mr. Joseph W. Walsh
830 First National Bank Building
Denver, Colorado

Re: Docket DMEA 3919 (Uranium)
Contract Idm-E915
Joseph W. Walsh
Jefferson County, Colorado

Dear Mr. Walsh:

Enclosed herewith is your copy of Exploration Project Contract No. Idm-E915, Docket DMEA 3919.

Also enclosed are six copies of form MF-104, "Operator's Monthly Report and Voucher," and six copies of form MF-104A, "Operator's Unit Cost and Progress Report." At the completion of the first calendar month of operation and monthly thereafter, you are required to submit five copies of the forms to Mr. John F. Shaw, U. S. Bureau of Mines, Room 137, Building 20, Denver Federal Center, Denver 2, Colorado. The sixth form is for your records.

Please note that the monthly accounting report requires a narrative report which should be accompanied by maps or sketches showing the work performed. The narrative report must be signed by the operator. The monthly report will not be processed for payment unless accompanied by a narrative report. Additional copies of forms MF-104 and MF-104A will be forwarded to you each month on receipt of your completed report for the prior month.

For your information and in reply to many questions that have been asked, after forms MF-104 and MF-104A are received an engineer will check progress and approve your accounts, after which they will be sent to the Regional Office, Region III, U. S. Bureau of Mines, 224 New Customhouse, Denver, Colorado, for auditing and vouchering. If the report is in order, a check will be issued by the Treasury Department for the Government's portion of the costs. If you have any difficulty in completing these forms and the reports, please call on Mr. Shaw or this office for assistance.

In reference to the various "Categories" under the section, "Estimated Costs of the Project," in "Exhibit "A"", you are referred to "Article 6" of the contract form. Under the provisions of the contract, the unit cost and total cost established for each item of work under Categories (1), (2), and (7) are allowable maximums, which cannot be exceeded. Reimbursement to you will be on the basis of actual cost which is not in excess of the allowable maximum and the charges must be documented in conformance with the instructions in the next to the last paragraph on the reverse side of Form MF-104.

In the event you desire to perform the work under Category (1) on company account, instead of subcontracting it as provided in the contract, it will be necessary that you obtain written approval from this office prior to commencing any of the work.

Your requests to this office for work approval, changes in the contract, or any other communication pertaining to operations under the contract, must be in writing, of which please supply the original and five copies, each copy complete with maps or other pertinent data.

Your attention is directed to the provision that Stage II work is contingent on the results obtained from Stage I, and performance of the work under Stage II is subject to the prior written approval of the Government.

When Stage I has been completed, or completed to the extent that the results of the work are conclusive, you should request approval from this office for the work you propose to perform under the next stage. Your request for the work approval under Stage II must be in sextuplet, each copy complete with a map showing the work performed under Stage I and the work proposed under Stage II. The map relative to the work performed should show the location of all samples taken and the assay returns pertaining thereto. In addition, your request should include any other pertinent data which will be of value to the Government in evaluating the work performed under Stage I.

You should anticipate a suspension of operation between stages of work to enable the Government geologist and engineer to evaluate the results of the work performed and make their recommendations to this office relative to the additional work you propose.

No oral statement of any person shall be construed to modify or change the terms of the contract. Field representatives of the Government are not authorized to approve any changes in the work program or contract provisions. Such approval can only be given by the Washington office, DMEA, or by the DMEA Field Team, Region III.

It is a regulation that reimbursement for the cost of work accomplished prior to the date of the contract will not be allowed. It is a requirement and imperative that you notify this office in writing the date work actually commences under the contract, with a copy of your letter to Mr. Shaw.

Very truly yours,

W. M. TRAVER

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

Enclosures

JWT:prl
cc: Chairman, Oper. Comm. (2)
Amendment file
Harshman
Shaw
Townsend
Corres. file
Chron.

Fname copy 700

B FLKnouse
Ellis
Talbot
Selfridge
Johnson

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

FEB - 3 1956

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

Re: Docket No. DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Traver:

Enclosed, with attachments, are the original and five copies, with two extra copies of Exhibit "A", of a contract designed to explore the subject property, signed by the Administrator for the Government. Also enclosed are copies of memoranda, dated January 25 and 30, 1956, from Mr. John E. Crawford, USBM, and Mr. N. E. Nelson, USGS, respectively, relating to the subject project.

If the terms and conditions of this proposed contract meet with your approval and the Operator's, insert in Article 3 the date upon which the work is to be started. Then have the original and all copies signed by Mr. Joseph W. Walsh and make the usual distribution of the document.

In the event that any part of this proposed contract does not meet with your approval or the Operator's and cannot be amended within your delegated authority, the original and all copies are to be returned with the proposed changes for consideration.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Enclosures

APPROVED:

/s/ Robert W. Geehan (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

FLKnouse/gla
1-30-56
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Knouse

R.C.S.

1/30/56 gla

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

January 30, 1956

Re: DMEA 3919
Joseph W. Walsh
Hoffmeister Uranium prospect
Jefferson County, Colorado
$22,600.00 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of supplemental Field Team report.

In reply to a suggestion that diamond drilling be used in exploring the breccia zone, the Field Team holds to the opinion that drifting in the zone is justified even though little is known of the zone south of Ralston Creek.

I concur with the conclusions and recommendation of the Field Team.

N. E. Nelson

N. E. Nelson

1-27-56 dgm

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
JAN 26 1956

January 25, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Review of Supplemental Field Team Report, DMEA Docket 3919, Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colo.

I have reviewed the supplemental field team report on Docket 3919, dated January 16, 1956, and received in this office on January 24. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The field examiners emphasize in their supplemental report that "sufficient preliminary exploration has been done on the breccia vein by diamond drilling, trenching, and surface geological work to establish the position, and attitude of the vein and the fact that it carries pitchblende in sufficient quantities to warrant additional exploration." It is also indicated that diamond drilling has not been entirely satisfactory in exploring the deposit, apparently owing to poor core recovery.

If exploration is considered to be warranted and a drilling program is believed to be physically undersirable, then there is no alternative but to drift on the vein.

I did, and continue to, express some concern over the fact that two AEC exploratory drill holes put down on the claim failed to show any significantly radioactive material therein. The fact that some pitchblende (uraninite) has been found on the property and in the area by the Geological Survey is unopposed, but the degree of radioactivity of the vein material may be questionable.

The amount of "preliminary exploration" conducted at the Hoffmeister prospect may well have been sufficient to determine the general potentialities of the prospect; however, if the expenditure of $22,600 for drifting will definitely establish the presence or

lack of economic grade uranium mineralization we will concur in the field team's recommendations

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E. Crawford

John E. Crawford

Memo to the File

January 18, 1956

JOSEPH W. WALSH - DMEA-3919

Summary of Cost Estimates

STAGE I

Total Estimated Cost Stage I (Field Team report)		$15,100.50
Less 90 hrs. tractor operation @ $12/hr. =	$1,080.00	
1/ Less 3¼ mos. Supr. Engr. @ $400/mo. =	1,300.00	
1/ Less 85 sample analyses @ $5.00 each =	425.00	
		2,805.00
		$12,295.50
$12,295.50/425 feet drift = 28.93/ft.		
28.93 ft. (rounded to 28.95/ft. X 425 ft. =		12.303.75
Plus Item 1/		2,805.00
EstimatedTotal Amount Stage I		$15,108.75

STAGE II

Total Estimated Cost Stage II (Field Team report)		$ 7,500.25
2/ Less 1-3/4 mos. Super. Engr. @ $400/mo. =	$ 700.00	
2/ Less 45 sample analyses @ $5.00 each =	225.00	
		925.00
		$ 6,575.25
$6,575.25/225 ft. drift = $29.22/ft.		
$29.22/ft. (rounded to $29.20/ft. X 225 ft. =		6,570.00
Plus Items 2/		925.00
Estimated Total Amount Stage II		$ 7,495.00
Estimated Total Cost of Project		$22,604.00
Government Participation @ 75 percent		$16,953.00

Docket Copy

700

Ellis

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

January 13, 1956

Memorandum

To: The File

From: F. L. Knouse, Mining Engineer
Rare and Miscellaneous Metals Division

Subject: Docket No. DMEA-3919
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
Telephone call to Mr. W. M. Traver

Knouse: Hello Bill, I am calling about the Field Team report on DMEA-3919, Joseph W. Walsh. Under Cost Estimates, the engineer has set up the cost on a basis of working two shifts per day, however, for Stage I, two drifts are to be driven, the portals are about 100 feet apart and the costs are based on driving only one of these drifts at a time. Since the unit cost for supervision, equipment rentals or depreciation, office rental, accounting, etc., would be substantially reduced if the two drifts are driven at the same time, we wondered if there was some particular reason why you preferred to drive only one drift at a time.

Traver: I do not see any reason why both drifts could not be driven at the same time however, the engineer may have some reason for setting the costs up on that basis but he does not bring it out in his report. I will have to go over it with him.

Knouse: Can you see any reason why the item under "(3) Operating Materials and Supplies" and "(4) Depreciation or Rental" for ventilation equipment for such short drifts are necessary especially for Stage I drifting.

Traver: I would not think that ventilation equipment would be required for the shallow Stage I drifting, but I would like to talk with the engineer about this item.

Knouse: Does the Operator own any of the equipment? If he does, only depreciation on the equipment should be allowed in the cost estimate.

Traver: I don't believe he owned any of the equipment. I will go over this report with the engineer, I am not sure he is in this week, and there may be a slight delay, however, I may be able to clear this up by a teletype, in either case, I will teletype you and if necessary prepare a supplement to the cost estimate and forward it to you.

Knouse: I notice a difference in the various recommended price for uranium analysis ranging from $3.50 to $5.00 per sample, could you clear up that point.

Traver: In Denver, any analysis for uranium costs $5.00, whereas, in Grand Junction an analysis for both uranium and vanaduim costs only $3.50.

Knouse: Many thanks.

January 13, 1956, Mr. Traver called back.

Traver: I contacted the engineer on this case and went over it carefully with him and he stands firm on every detail in the cost estimate. He states that it would be difficult and impracticable to drive both drifts at the same time with the same equipment set up in the cost estimate because of terrain and other conditions. The plan is to round in and round out the drift. Therefore, he insists they will need the ventilation equipment from the beginning of the work for both Stage I and II drifting. However, it is difficult to understand why the ventilation equipment will be required for the Stage I drifting. I believe we should go along with his recommendations.

Knouse: It is difficult for me to understand why the two drifts cannot be driven at the same time and the use of ventilating equipment for a 200 to 225-foot drift is a practice I have never seen in effect. However, if you feel it is required, we will put it in the contract but we will have to write the contract on a long form and if it is not used the Government's interest will be protected.

Traver: Why not use the short form contract? This cost per foot is reasonable for this ground and locality.

Knouse: If the short form is used and the Operator elects to drive both drifts at the same time for Stage I with the recommended equipment, i.e., a 150 c.f.m., compressor would furnish ample air to Operate two jack hammers with a jackleg, one unit to drive each drift, which should reduce the time to complete the work as well as the equipment rental cost and supervision at least one-half and if the ventilation pipe and blower are

eliminated, the cost per foot of drift should be reduced at least $3.00. Therefore, to protect the Government's interest, the long-form contract should be used.

Traver: Well, looking at the project from that angle, it may be advisable.

F. L. Knouse

F. L. Knouse

1-16-56 dgm

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

January 6, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3919 (Uranium), Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado

Enclosed are the original and three copies of a Joint Supplement to the field team Report of Examination which replies to your letter of December 20, 1955 on the subject docket.

We recommend that a contract be prepared as outlined in the field team Report of Examination.

W. M. Traver

W. M. Traver

Enclosures

RECEIVED
JAN 9 1956

Reviewed by
DMEA OPERATING COMMITTEE
1-18-56
(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

DMEA
Date Rec'd.
JAN 6 1956
BUREAU OF MINES
Denver, Colorado

January 4, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
John Shaw

Subject: DMEA Docket 3919 (Uranium), Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado. Supplement to the Examination Report.

The Chairman of the Operating Committee, in a letter of December 20, 1955, submitted two memoranda of review on the examination report of the subject property, and requested Field Team comment on a program of diamond drilling in lieu of drifting at the Hoffmeister prospect.

Diamond drilling was considered as a possible means of exploration at the Hoffmeister property and was not recommended for reasons as follows:

1. Sufficient preliminary exploration has been done on the breccia vein by diamond drilling, trenching, and surface geological work to establish the position, and attitude of the vein and the fact that it carries pitchblende in sufficient quantities to warrant additional exploration.

2. Diamond drilling at the Hoffmeister prospect and in the adjacent areas has not been entirely satisfactory in determining

Reviewed by
DMEA OPERATING COMMITTEE
1-13-56
(date)

RECEIVED
JAN 9 1956

the character of the deposits, the continuity of the ore shoots, or the ore potentials of the deposits. It is a useful method of preliminary exploration but in most cases it must be followed by underground exploration.

3. Although underground exploration will be somewhat more costly than drilling, we feel that the data to be secured by drifting on deposits of this type will be much more conclusive than that to be obtained by drilling and thus well worth the additional cost.

4. One or two drill holes could be used to advantage in preliminary exploration of the breccia vein south of Ralston Creek where the character of the structure and its uranium content is less well known than in the area north of the creek. The impractability of getting a contract for a few hundred feet of drilling was the principal reason for not recommending preliminary drilling south of Ralston Creek.

In Mr. Crawford's memorandum of review, dated December 8, 1955, he states: "I find no record, however, of analytical data indicating the presence of pitchblende on the subject property". In our DMEA program we have limited our analytical work to a determination of the elements present in a particular ore, basing our determination of the minerals present on visual observations or simple microscopic examinations. The basis for the statement in the examination report that the uranium mineral is pitchblende

is the description of the deposit given in U. S. Geological Survey Circular 320. This publication was referred to on page 3 of the examination report, and pertinent parts of it were photostated and included with the application. We believe that the presence of pitchblende in the Hoffmeister deposit is well established.

E. N. Harshman
Member, Field Team

John F. Shaw
Supervising Mining Engineer

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

January 5, 1956

Memorandum

To: The File

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

Subject: Docket No. DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Miss Cawthon of Congressman Byron Roger's office (State of Colorado) phoned regarding the seemingly long delay in processing the above-docketed application. I reviewed the application briefly and told her there appeared to be some question of the advisability of the rather elaborate request for extensive exploration of the property. I stated that the question had again been referred to the field as of December 20, 1955, and the Executive Officer, under date of December 27, 1955, referred the question to the field examiners.

I promised her that as soon as information was received we would expedite said application. She requested that we phone her (Code 190, extension 632) as soon as the field reply had been received. This I promised to do.

Ernest Wm. Ellis

Ernest Wm. Ellis

1-12-56

Telephoned Miss Cawthon and advised her of receipt of suppl. info. She requested that we advise her when a decision on the case has been reached, i.e. contract or denial.

F.L.K.

12-29-55 hzm

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

RECEIVED
DEC 29 1955

224 New Customhouse
Denver 2, Colorado

December 27, 1955

Memorandum

To: E. N. Harshman
J. F. Shaw

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

Subject: Docket No. DMEA 3919 (Uranium), Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado

Enclosed is a copy of a letter from the Chairman, Operating Committee dated December 20, 1955 and attached memoranda of review of the joint report of examination by John E. Crawford and N. E. Nelson.

Please review your report of examination on this docket, and give us your comments and recommendations in the form of a supplemental report of examination covering your thoughts of the practicability of diamond drilling in lieu of your proposed method of exploration.

J. W. Townsend

Enclosures
HMC:jy
cc: Chair. Opr. Comm. (2)
Docket 3919
Chron.

Surname copy

700

FLKnouse
Ellis

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

DEC 21 1955

Mr. Joseph W. Walsh
Mary Oil and Uranium Company
1028 First National Bank Building
Denver 2, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Walsh:

This is in response to your letter of December 15, 1955, concerning the status of your application to explore the subject property.

We found it necessary to request more information from our Denver Office. This will necessarily cause some delay in the final action to be taken in this matter. Please be assured that, upon receipt of this information, we will continue to process your application.

Sincerely yours,

C. O. Mittendorf

Administrator

FLKnouse/gla
12-21-55
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Knouse
DMEA Field Team, Region III (2)

R.C.S.

Surname copy 700

FLKnouse
Ellis, F.L.G.
Selfridge
Hyman
Mittendorf

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

DEC 20 1955

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

Re: Docket No. DMEA-3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Traver:

Enclosed are copies of memoranda, dated December 8 and 13, 1955, from Mr. John E.Crawford, USBM, and Mr. N. E. Nelson, USGS, respectively, concerning an alternate, less-costly method of exploring the subject property than that recommended by the Field Team.

Please review this proposed program and furnish your comments and recommendations in the form of a supplement to the Field Team report. In this connection, if diamond drilling is recommended in lieu of drifting we will require, in addition to the usual information, nine copies of a map showing the location of the drill holes and mineralized vein in relation to the property boundaries. Also, any modified program must have the approval of the Applicant.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

/s/ Robert W. Geehan (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

FLKnouse/gla
12-16-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210,GSA
Code 700
Mr. Knouse

R.C.S.

12/19/55 gla

MARY OIL AND URANIUM COMPANY

1028
First National Bank Building
CHerry 4-2744
Denver 2, Colorado

JOSEPH W. WALSH

RECEIVED
DEC 16 1955

December 15, 1955

Mr. C.O. Mittendorf
U.S. Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

Re: Docket No. DMEA-3919 (Uranium)
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Mittendorf:

It has been some time since I have had any word concerning my application for assistance in exploring the subject property in Jefferson County, Colorado. I responded to and consulted with your Regional Office here in Denver a number of times while the application was in their hands. They advise me that there is nothing more to be done here now that the application, reports and recommendations have been sent to your office.

The property covered by this application is open now as it is all winter. I can work it twelve months a year. As a result I am naturally getting very anxious to get started. So, would you mind giving me the present status of this application?

Thank you for your response and past considerations.

JWW:s

Sincerely yours,

Joseph W. Walsh

Joseph W. Walsh

12/14/5-5 gla

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
DEC 14 1955

December 13, 1955

Re: DMEA 3919
Jos. W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado
$22,600.00 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team report.

The applicant requested aid in doing exploratory work more or less equivalent in amount to that recommended by the examiners, but at an estimated cost of $119,610.00, the difference being accounted for by excessive unit costs and non-exploratory work.

The examiners agree that work is warranted and propose exploratory-development drifting on the breccia reef in 2 stages at a cost of $22,600.00. The drifting will explore the reef in which the ore shoots are believed to be irregularly placed, a belief supported by the sampling data and the results of the drilling by AEC. More information concerning the reef would be obtained by doing an equivalent amount, in dollars, of drilling, and a lesser amount might show, as the sampling results supplied us indicate, that drifting is not yet justified.

I concur with the conclusion of the Field Team that work is warranted. If drilling was considered and found lacking, the work program of the Field Team is acceptable.

N. E. Nelson

N. E. Nelson

12/12/55 glh

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
DEC 12 1955

December 8, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3919, Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado

I have reviewed the report of Hoffmeister Prospect, DMEA Docket 3919, dated December 2 and received in this office December 8. I have also discussed it with Jack Kratchman, Washington representative of the Atomic Energy Commission.

The Hoffmeister uranium prospect was examined by the Field Team on October 10. The applicant's original application was for a single-stage program including construction of access roads, preparation of 600 feet of adits, and other facilities. The total cost would be $119,610.00. The examining team, however, recommends approval of a short-form contract for a revised program of 650 feet of adits in two stages at an estimated total cost of $22,600.00.

It is noted in the Field Team report that AEC collected samples taken at the property which assayed from 0.022 to 0.26 percent uranium. Samples collected by the USGS contained from 0.004 to 0.31 percent uranium. Two AEC drill holes put down on the claim intersected the breccia reef, but no significant radioactivity was observed when the holes were logged.

The field examiners approve the exploration project on the basis of (1) current mining of two similar deposits in the Ralston Creek district, and (2) the presence of irregular bodies of carbonate-rich rock veined with pitchblende and base-metal sulfides. I find no record, however, of analytical data indicating the presence of pitchblende on the subject property.

Some consideration should be given by the DMEA to the desirability of drilling rather than driving adits on the subject property. It is possible that more conclusive geologic information might be available as a result of a exploration drilling

project. The Field Team may have considered both possibilities, but they have not mentioned the practicability of drilling in their examination report.

In accordance with the routing slip attached thereto, the report is being forwarded to the Chief, Division of Minerals.

John E Crawford

John E. Crawford

12/12/55 gla

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

RECEIVED
DEC - 5 1955

December 2, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Joint Report of Examination, DMEA Docket 3919 (Uranium), Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado

Enclosed are the original and three copies of the report pertaining to the above application.

The field examiners recommend a modified exploration program in which we concur.

Enclosed for possible use in a contract are nine copies each of Figures 2 and 3. Also enclosed are the original and five copies of Forms MF-203 and MF-201 properly executed.

E. N. Harshman

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

Enclosures

ON-SITE EXAM.

Reviewed by
DMEA OPERATING COMMITTEE
12-9-55
(date)

DLG - 5 1955

Building 20
Denver Federal Center
Denver 2, Colorado
November 18, 1955

REGION III

Memorandum

TRANSMITTED

DEC 2 1955

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
John F. Shaw

Subject: Examination Report, Docket No. DMEA 3919,
Joseph W. Walsh, Hoffmeister Uranium Prospect,
Jefferson County, Colorado

Enclosed are the original and 9 copies of the Joint Engineering and Geological Report by W. D. McMillan, Mining Engineer and Robert U. King, Geologist, covering Docket No. DMEA 3919. The applicant applied for exploration assistance in the amount of $119,610 to explore the Hoffmeister Uranium Prospect by 600 feet of drifting and bulldozer stripping of surface anomalies.

The property was examined on October 10, 1955 by W. D. McMillan and Robert U. King. The examining team concluded that the Hoffmeister Prospect merits exploration with Government assistance. It is recommended that short-form contract, consisting of 650 feet of adits in two stages, at an estimated cost of $22,600.00 be prepared.

E. N. Harshman

E. N. Harshman
Member Field Team

John F. Shaw

John F. Shaw
Supervising Mining Engineer

cc 9
E. N. Harshman
DMEA 3919
Chron.

Reviewed by
DMEA OPERATING COMMITTEE
12-9-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

RECEIVED
DEC - 5 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

JOINT REPORT OF EXAMINATION BY EXAMINING TEAM
REGION III

TRANSMITTED
DEC 2 1955

DMEA 3919

HOFFMEISTER URANIUM PROSPECT

Joseph W. Walsh, Applicant

Ralston Creek Mining District

Jefferson County, Colorado

Uranium

Joint Engineering and Geologic Report

By

Robert U. King, Geologist
Geological Survey

W. D. McMillan, Mining Engineer
Bureau of Mines

November 15, 1955

Reviewed by
DMEA OPERATING COMMITTEE
12-9-55
(date)

DMEA 3919

RECEIVED
DEC - 5 1955

HOFFMEISTER URANIUM PROSPECT
JOSEPH W. WALSH, APPLICANT
RALSTON CREEK MINING DISTRICT
JEFFERSON COUNTY, COLORADO

CONTENTS

Joint engineering and geologic report	Page
Summary, conclusions and recommendations	1
Introduction	2
Acknowledgments	3
Location, topography and physical features	3
Labor and living conditions	4
History, production and ownership	4
Geology and ore deposits	5
Minable reserves	6
Present Status	7
Exploration and Development	7
Mining and milling equipment and other facilities	7
Project proposals with costs	7
Cost estimates	8
Summary Cost of Project	11
Conclusions and recommendations	12

ILLUSTRATIONS

Figure	Follows Page
1. Location map, Joseph W. Walsh, Hoffmeister Prospect, Ralston Creek Mining District, Jefferson County, Colorado DMEA 3919	3
2. Location of Joseph W. Walsh Mineral Lease, Ralston Creek Mining District, Jefferson County, Colorado, DMEA 3919	4
3. Geologic map, showing recommended exploration, Hoffmeister Prospect, Jefferson County, Colorado	6

DMEA 3919

RECEIVED DEC - 5 1955

Hoffmeister Uranium Prospect
Dahlberg and Bolis, Owners
Joseph W. Walsh, applicant
Ralston Creek Mining District
Jefferson County, Colorado

BY

W. D. McMillan and Robert U. King

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

Joseph W. Walsh applied to the Defense Minerals Exploration Administration for Government assistance to explore for uranium on fee land leased by him on March 9, 1955. The application was for a single stage program consisting of 600 feet of adits, access roads, and other facilities at an estimated total cost of $119,610.00. Government participation at 75 percent would be $89,707.50.

An examination was made on October 10, 1955, and was followed by conferences with the applicant.

The property, which consists of about 320 acres, lies along both sides of Ralston Creek. The rocks in the vicinity of the Nigger (Black Judge) shaft are Precambrian hornblende gneiss, biotite schist, granite pegmatite, and aplite. At the Black Judge shaft a breccia reef 1 to 8 feet wide cuts hornblende gneiss. The reef contains irregular bodies of carbonate-rich rock that are veined by pitchblende and base-metal sulfides. The reef is exposed in Ralston Creek and can be traced by outcrops and float for 225 feet to the northwest and for 450 feet to the southeast.

Significant uranium ore deposits are currently being mined from two other similar deposits in the Ralston Creek district. The examining team considers that the Hoffmeister prospect merits exploration

with Government assistance.

The examining team recommends approval of a short-form contract for a revised program of 650 feet of adits in two stages at an estimated cost of $22,600.00. Government participation at 75 percent will be $16,950.00.

INTRODUCTION

Joseph W. Walsh applied for Defense Minerals Exploration Administration assistance for uranium exploration of his leased property in Jefferson County, Colorado. His proposal was for 600 feet of adits, access roads, and other facilities in one stage at an estimated total cost of $119,610.00.

An examination was made on October 10, 1955, by a DMEA Region III examining team consisting of W. D. McMillan of the Bureau of Mines and Robert U. King of the Geological Survey, accompanied by Joseph W. Walsh and his engineer, Paul H. Keating.

The excessively high estimated cost of $150.00 per foot for the adits and $10.00 for sample analyses were discussed by the examining team and the applicant.

A modified program of drifting in two stages with the portals located at a higher elevation, a smaller amount of road construction, and elimination of a proposed culvert, stripping and contingencies is proposed by the examining team at an estimated total cost of $22,600.00. Government participation at 75 percent would be $16,950.00.

ACKNOWLEDGMENTS

The assistance of Mr. Charles Maxwell of the Geological Survey who is currently engaged in mapping the Ralston Buttes quadrangle is acknowledged. Free use has been made of the Geological Survey report, "Uranium occurrences in the Golden Gate Canyon and Ralston Creek area, Jefferson County, Colo." Circular 320, 1953, by Adams et al.

Pertinent sample data and results of recent diamond drilling have been made available to the examining team by the U. S. Atomic Energy Commission, Denver Exploration Branch. The AEC agrees that further exploration of the Hoffmeister prospect is warranted.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Hoffmeister uranium prospect is located in the northern half of sec. 26, T. 2 S., R. 71 W., Ralston Creek area, Jefferson County, Colorado. The deposits are on the northeast and southwest sides of Ralston Creek at a mean elevation of 6,900 feet. Local relief amounts to about 200 feet. Access from Denver is by Colorado State Highway 72 for 20 miles and thence by private and graded roads for 3 miles to an old adit (Hoffmeister adit) on Ralston Creek. The last one-half mile is steep and required 4-wheel drive equipment. (Figure 1).

The area is about an hour's drive from Denver where supplies can be obtained.

The climate of the area is typical of the eastern slope of the Rocky Mountains, with cool summers and freezing winters, with heavy snowfall in some years.

The markets for this type of uranium ore are chiefly at Grand Junction, Colorado, and Salt Lake City, Utah. Ore would be shipped by

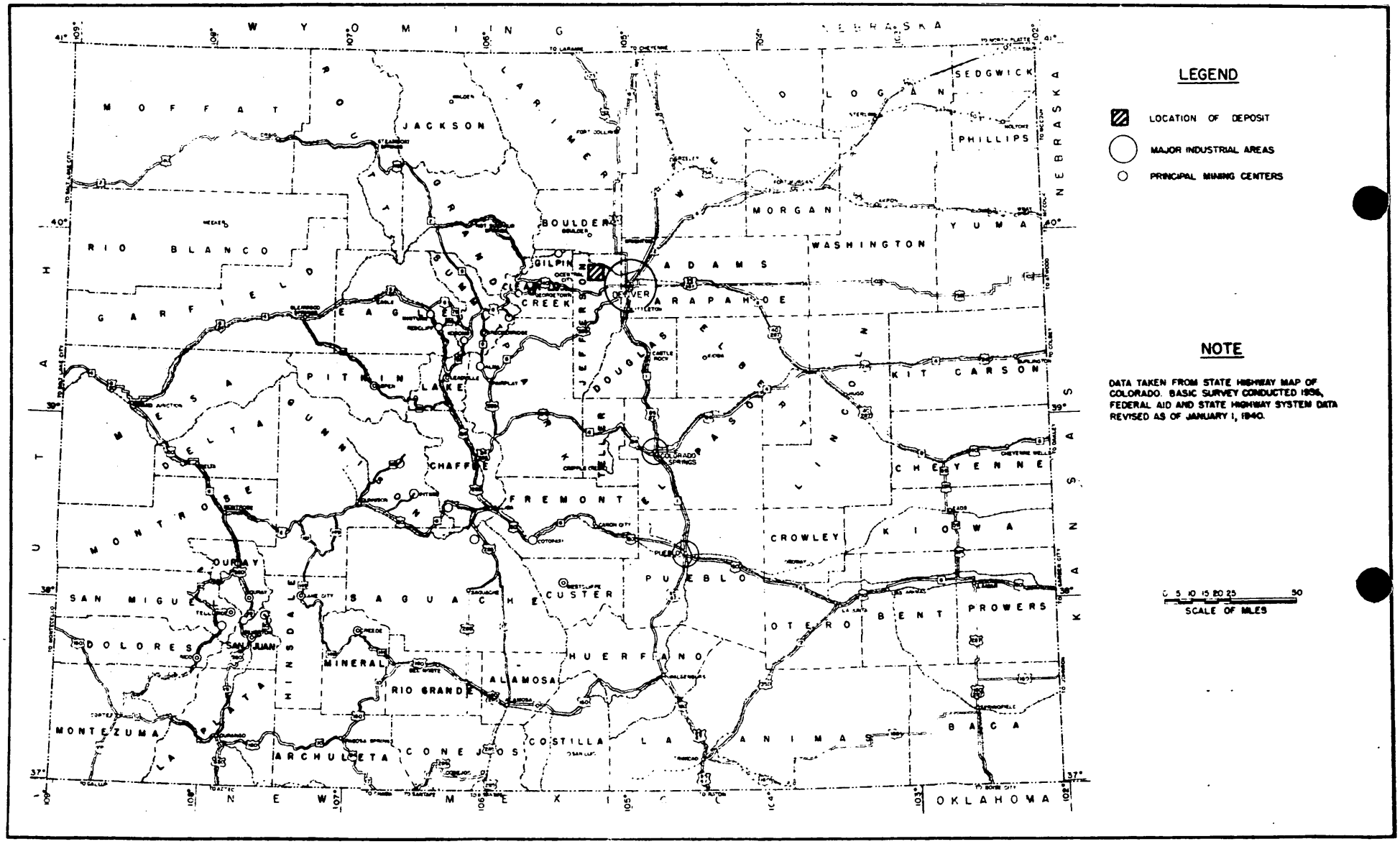


FIGURE 1 - LOCATION MAP, JOSEPH W. WALSH, HOFFMEISTER PROSPECT, RALSTON CREEK MINING DISTRICT, JEFFERSON COUNTY, COLO.
DMEA 3919

truck about 8 miles to the Denver and Rio Grande Western Railroad loading docks at Fireclay near "Rocky Flats," and thence by rail to Grand Junction or Salt Lake City.

Mining timber and lumber are available at local sawmills and there is an ample supply of wood for domestic fuel on the property. All power needs must be furnished by gasoline or diesel driven units. Water for mining and domestic purposes is available from Ralston Creek.

LABOR AND LIVING CONDITIONS

The proposed project will be executed by a sub-contractor who will furnish the necessary labor. House trailers are usually provided for exploration personnel, although there are living quarters in towns within commuting distance. A 4-wheel drive truck will be required for transportation over the last mile to the prospect.

HISTORY, PRODUCTION AND OWNERSHIP

In the spring of 1949, Fred Swartzwalder, a local prospector, submitted samples of pitchblende from two base-metal prospects in the Ralston Creek area to the U. S. Atomic Energy Commission. These were the Ralston Creek Mine, and the Hoffmeister Prospect. In the spring of 1952, geologists of the Geological Survey discovered pitchblende in the abandoned North Star copper mine in the same district.

The North Star and the Ralston Creek mines are currently producing uranium ore.

The property of the subject application consists of the NW$\frac{1}{4}$, the N. half of the NE $\frac{1}{4}$, the SW $\frac{1}{4}$ of the NE $\frac{1}{4}$, and the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of section 26, T. 2 S. R. 71 W., 6th principal meridian, Jefferson County, Colorado. (See figure 2.)

The surface rights are owned by Oscar Dahlberg and the mineral

rights by L. W. Bolis, both of Golden, Colorado. The mineral rights are leased to Joseph W. Walsh of Denver, Colorado. The original corners between sections 23 and 26 have been destroyed, and there was some doubt as to the location of the Black Judge mine. In June, 1954, T. H. Sacket, Registered Land Surveyor, re-established the missing corners by proportion from known corners, which places by survey the Black Judge shaft 185 feet south of the north line of section 26, T. 2 S., R. 71 W.

In June, 1955, F. G. Schurman, Assistant Engineer, Union Pacific R. R. Co., re-surveyed their section 23 on the basis of the re-established corners.

Ownership of the area covered by the subject application and the lease are considered valid.

GEOLOGY AND ORE DEPOSITS

The rocks in the vicinity of the Hoffmeister prospect consist chiefly of hornblende gneiss, quartz-biotite schist, granite pegmatite, and aplite, all of Precambrian age. The rocks are cut by persistent northwestward-trending Laramide breccia reefs.

The Hoffmeister prospect is on a breccia reef that cuts hornblende gneiss. The reef strikes N. 25° W. and dips 50° to 60° E.

The reef has been exposed at the surface for a distance of over 300 feet in the vicinity of the shaft and adit and is inferred to extend for several thousand feet northwest and southeast of the prospect.

At the prospect the reef is from 1 to 8 feet wide and consists of brecciated wall rocks that are bleached and altered by hydrothermal solutions. The breccia is veined and cemented largely by carbonates; it is a dense hard brown rock that weathers to brick red colors at the surface.

The minerals of the reef consist of chalcopyrite, pyrite, galena, native bismuth, and pitchblende in a gangue of carbonates and quartz. The pitchblende occurs as thin seams associated with carbonate veinlets. The reef is noticeably radioactive for the entire exposure, but results of sampling show that ore grade material is likely to be found in distinct shoots and irregularly placed along the reef.

Samples collected by the Atomic Energy Commission from the reef at surface between the Nigger (Black Judge) shaft and Hoffmeister adit contained from 0.022 to 0.26 percent uranium. Samples collected by the Geological Survey from the Nigger (Black Judge) shaft contained from 0.004 to 0.31 percent uranium. A 1-foot sample across the breccia vein where it is exposed 15 feet west of the portal of the Hoffmeister adit contains 0.075 percent equivalent uranium and 0.045 percent uranium.

The breccia reef is exposed on the south side of Ralston Creek opposite the Hoffmeister adit (fig. 3). The reef is noticeably radioactive (.1 mr/hr) at this point, but no uranium minerals are visible.

Two drill holes put down by the AEC are reported to have intersected the breccia reef at distances that compare favorably with the projected position made from dips observed at the collar of the Nigger (Black Judge) shaft. The holes intersected the breccia vein but no significant radioactivity was logged in either hole.

It is reported that the Hoffmeister adit does not intersect the breccia vein, but confirmation of this report was not possible because the adit was not accessible.

MINABLE RESERVES

None.

PRESENT STATUS

Exploration and development

The Hoffmeister prospect was worked for base metals between 1912 and 1914 by Hoffmeister, who sank a 20-foot inclined shaft with a connection at the bottom to a small stope, and drove a 40-foot adit from a point 130 feet southeast of the shaft. These workings are inaccessible at present so that the bearing and length of the adit could not be measured. The US Atomic Energy Commission, in 1954, drilled two holes in a southwesterly direction north of the Nigger (Black Judge) shaft and stripped the overburden from between the adit and shaft; they have also removed the overburden from the south bank of Ralston Creek.

Mining and milling equipment and other facilities

None.

PROJECT PROPOSALS WITH COSTS

Joseph H. Walsh proposed to explore the Hoffmeister prospect by 600 feet of a 5 by 7-foot drift along the strike of the vein at an estimated cost of $150.00 per foot or $90,000, and by bulldozer stripping of surface anomalies at an estimated cost of $2,400.00. Other estimated costs were $12,000.00 for reconditioning 3 miles of road, $3,000.00 for 100 feet of 3-foot culvert in Ralston Creek, $5,000.00 for the services of a resident Engineer-Scientist, $2,210.00 for chemical analyses of 221 samples, and $5,000.00 for contingencies, bringing the total estimated cost of the project to $119,610.00.

This program was discussed by the examining team with the applicant and his engineer, Paul H. Keating, especially as to the estimated unit cost of drifting, the necessity of the road reconditioning, the need for a culvert,

and the advisability of stripping at the reported anomalies (these could not be checked in the field) without some prospecting by the applicant.

The following are the suggested modifications to the applicant's proposed program as shown in Figure 3. The exploration is to be carried out in two stages: the first stage to consist of (1) 200 feet of drifting in a northwesterly direction along the mineralized breccia vein from a point about 15 feet west of the portal of the Hoffmeister adit and at an elevation of 5 feet above the adit; (2) 225 feet of drifting in a southeasterly direction along the same vein from a point about 120 feet S. 15° E. of the portal of the Hoffmeister adit at an elevation equal to the northwesterly drift; and (3) a small amount of access road rehabilitation and construction. The second stage is to consist of a continuation of the southeasterly drift on the breccia vein for an additional 225 feet, dependent on the results of the first stage of exploration and with Government approval.

Mr. Walsh, the applicant, gave oral approval to the above modifications.

The reasons that the northwesterly drift is proposed to start at the surface and to discard the possible gain in footage for using the existing adit are that the (1) length and bearing of the adit are not known, (2) the vein is reported not to be exposed in the adit, and (3) the cost of rehabilitation and possible delays to prosecution of exploration outweigh any possible saving in footage.

COST ESTIMATES

STAGE I - 425 Feet of Adits
Estimated Time for Completion - $3\frac{1}{4}$ Months
Basis: 22 days per month - 2 shifts-44 shifts per Month
Shifts per Month - 130 feet per month

1. Independent Contracts — Cost/Ft.

Bulldozing to relocate ½ mile of road and excavation portals of two adits 90 hours at $12.00 per hour	$1080.00	$2.54

2. Labor and Supervision

By driving both drifts at the same time, not over two months should be required for both.

1 Supervising Engineer 3¼ months at $400.00 per month	1300.00	
1 Foreman Miner at $2.00/hr., 176 hrs. x 3¼ months - 572	1144.00	
4 Miners at $1.75 per hour 704 hrs. per month x 3¼ - 2288	4004.00	
Total Labor and Supervision	$6448.00	15.17

3. Operating Materials and Supplies

Office - 3¼ months at $50.00	162.50	
Mine timber - 2 sets at portals of adits 1000 Bd. Ft.	100.00	
Explosives (dynamite, caps, fuses, etc.) Est. at $3.20 per foot	1360.00	
Pipe - (air, water, ventilation) Est. at $2.10 per foot	892.50	
Track (ties, rail, plates, bolts and spikes) Est. at $1.10 per foot	467.50	
Miscellaneous (fuel, lubricants, freight, bits, steel, small tools, carbide) Est. at $3.60 per foot	1530.00	
Total Oper. Mat. and Sup.	4512.50	10.62

Ventilation pipe not required for short drifts

Reduce pipe costs to $1.00/ft. for lined pipe or tubes.

4. Depreciation or Rental

1 - 105 - 150 c.f.m. portable Air compressor 3¼ months at $150.00 per month	487.50
1 - Jack leg rock drill, complete with air and water hose, pressure tank and a small air driven grinder for drill bits 3¼ months at $100.00 per month	325.00
1 - 500 - 1000 c.f.m. centrifugal blower, gasoline or air driven, 3¼ months at $70.00 per month	227.50

Not required in short drifts. Ventilation natural and by air from compressor.

		Cost/Ft.
Depreciation or Rental (c/fwd)	$1040.00	
2 - 24 cubic feet mine cars, $3\frac{1}{4}$ Months at $40.00 per month	130.00	
1 - 1 - $\frac{1}{2}$ ton truck or jeep (transportation men and supplies $3\frac{1}{4}$ Months at $150.00 per month	487.50	
Total Depreciation or Rental	1657.50	3.90

Miscellaneous

Repairs to equipment - $3\frac{1}{4}$ Months at $130.00/Month	422.50	
Payroll, Taxes and Insurance $3\frac{1}{4}$ Months at $90.00 per Month	292.50	
Accounting $3\frac{1}{4}$ Months at $50.00 per Month	162.50	
Stenographer 50 hrs. at $2.00/Hr.	100.00	
Sampling and Analyses - 85 samples at $5.00 each	425.00	
	1402.50	3.30
Total Stage I	$15,100.50	35.53

Estimated overall cost per foot $\frac{15,100.50}{425}$ = 35.53

Estimated cost per foot, less analyses $\frac{14,675.50}{425}$ = 34.53

STAGE II - 225 Feet of Adits
Estimated time for completion 1 3/4 Months
Basis: 22 days per Month - 2 shifts
44 shifts per month - 130 feet per Month

		Cost/Ft.
1. Independent Contracts		
None		
2. Labor and Supervision		
1 Supervising Engineer 1 3/4 months at $400.00 per month	$700.00	
1 Forman Miner at $2.00 per hour-176 Hrs. per month x 1 3/4 - 308	616.00	
4 Miners at $1.75 per hour - 704 Hrs./Mon x 1 3/4 - 1232	2156.25	
Total Labor and Supervision	3472.75	15.43
3. Operating Materials and Supplies		
Office 1 3/4 Months at $50.00/Month	87.50	
Explosives (dynamite, caps, fuse, etc) Est. at $3.20 per foot	720.00	
Pipe (Air, water, ventilation) Est. at $2.10 per foot	472.50	
Track (Ties, rail, plates and spikes) Est. at $1.10 per foot	247.50	
Total c/fwd.	1527.50	

		Cost/Ft.
3. (Carried Forward)	1527.50	
Miscellaneous (fuel, lubricants, Freight, steel, small tools, carbide) Est. at $3.60 per ft.	810.00	
Total Operating Materials and Supplies	2337.50	10.39

4. Depreciation or rental

1 - 105 - 150 cfm portable Compressor 1 3/4 months at $150.00 per month	262.50	
1 Jack leg rock drill, complete with air and waterhose, pressure tank, and a small air driven grinder for bits, 1 3/4 Months at $100.00 per month	175.00	
1 500 - 1000 cfm centrifugal blower, gasoline or air driven, 1 3/4 Months at $70.00 per month	122.50	
2 - 24 cubic feet mine cars, 1 3/4 months at $40.00/Month	70.00	
1 - 1½ ton truck ~~of~~ 4 w. d. ½ ton Jeep 1 3/4 Months at 150.00/Month	262.50	
Total Depreciation or rental	892.50	3.96

5. Miscellaneous

Repairs to equipment 1 3/4 Months at $130.00/Month	227.50	
Payroll taxes and Insurance 1 3/4 Months at $90.00/Month	157.50	
Accounting - 1 3/4 Months at $50.00/Month	87.50	
Stenographer - 50 hrs. at $2.00/Hr.	100.00	
Sampling and analyses 45 samples at $5.00 each	225.00	
Total Miscellaneous	797.50	3.54
Total Stage II	~~7499.50~~ 7560.25	33.33

Estimated over all cost per foot

$$\frac{7499.50}{225} = 33.33$$

Estimated over all cost per foot less analyses $\frac{7274.50}{225} = 32.33$

Summary Cost of Project

	Stage I	Stage II
1. Independent Contracts	$1080.00	-
2. Labor and Supervision	6448.00	3472.00
3. Operating Materials and Supplies	4512.50	2337.50
4. Depreciation or Rental	1657.50	892.50
5. Miscellaneous (less sampling)	977.50	572.50
Grand Totals	$14,675.50	$7274.50

	Stage I	Stage II
	$14,675.50	$7274.50
Cost of Sample analyses	425.00	225.00
Total per stage	15,100.50	~~7499.50~~ 7500.25
Calculated overall cost per stage, less analyses	34.53	32.33
Estimated total cost per foot, less analyses		33.77
Estimated total cost of project		$22,600 ~~.00~~ 75

Cost Figures for Contract Use

Stage I - 425 Feet of 5' x 7' adits at 34.53 per foot	14,675.25
85 analyses at $5.00 each	425.00
Total Stage I	15,100.25
Stage II - 225 feet of 5' x 7' adits at 32.33 per foot	7,274.25
45 analyses at $5.00 each	225.00
	7,499.25
Total estimated cost of project	$22,600.00
Government participation at 75 percent	$16,950.00

CONCLUSIONS AND RECOMMENDATIONS

The Hoffmeister prospect is in a district in which commercial uranium ore deposits are currently being exploited and from which significant tonnages of uranium ore are being produced. The uranium deposit at the Hoffmeister prospect is associated with a breccia reef, a structure that is known to be favorable for uranium in the local area. Ore grade samples have been obtained from the prospect, and the examining team concludes that there is a geologic probability that significant bodies of uranium ore occur along the breccia vein in this area.

The contract should specify the following:

1. The altitude of portals of the adits to be 5 feet above the floor of the Hoffmeister Adit.
2. Both adits to be driven with the foot wall of the mineralized breccia vein on the southwest sides of the adits, irrespective of the directions shown on figure 3.

10/5/55 rgla

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

RECEIVED
OCT 4 - 1955

September 29, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3919 (Uranium), Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado

In reply to our letter to the applicant dated September 20, 1955, he has submitted the following:

1. Plat of survey to locate the lost corners of Section 24, T. 2 S., R. 71 W., by T. H. Sackett, Registered Land Surveyor.
2. A certified map showing the location of the shaft collar by Louis E. Bolib, Registered Land Surveyor
3. Survey Plat of Section 23, T. 2 S., R. 71 W., by F. G. Schurman, Assistant Engineer, Union Pacific Railroad.

Two copies each of these maps are attached herewith.

We will continue to process the application.

W. M. Traver

W. M. Traver

Enclosures

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

RECEIVED
OCT 4 1955

September 29, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: J. F. Shaw (With enclosed maps)
E. N. Harshman (With enclosed maps)

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3919 (Uranium), Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado

Attached are copies of the following maps which have been submitted by the Operator in accordance with our letter to him dated September 20, 1955:

1. Plat of survey to locate the lost corners of Section 24, T. 2 S., R. 71 W., by T. N. Sackett, Registered Land Surveyor.
2. A certified map showing the location of the shaft collar by Louis E. Bolib, Registered Land Surveyor
3. Survey Plat of Section 23, T. 2 S., R. 71 W., by F. G. Schurman, Assistant Engineer, Union Pacific Railroad.

Will you please continue to process the application.

W. M. Traver
W. M. Traver

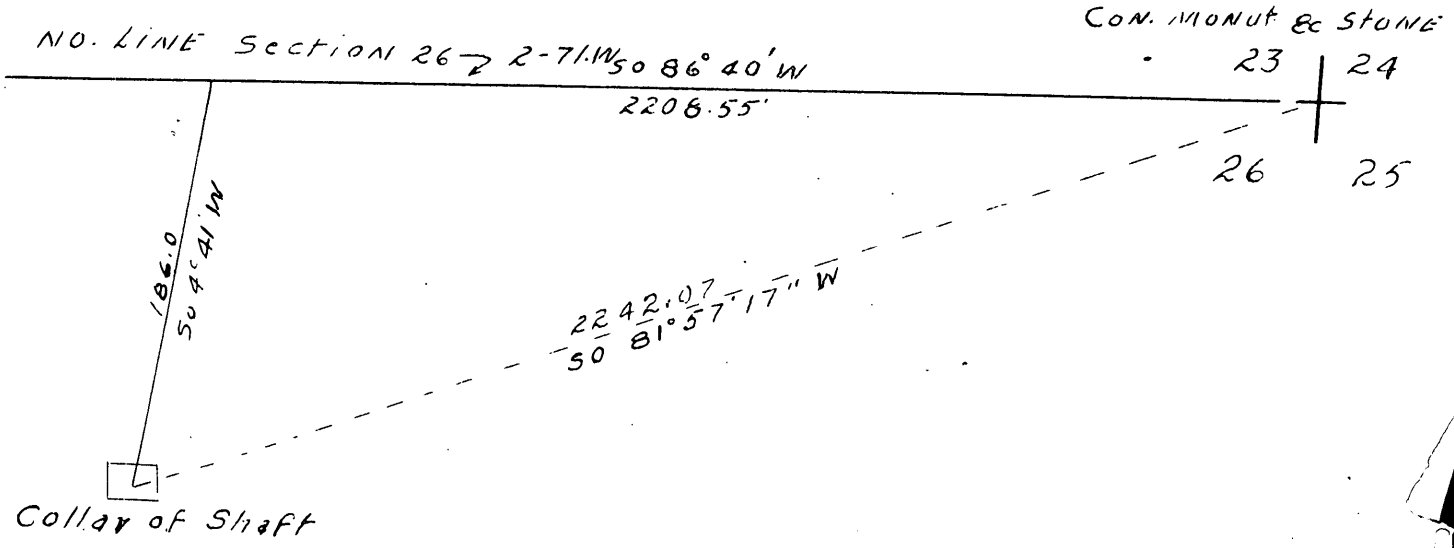
Enclosures

WMT:ab
cc: Sec. Opr. Comm. (2)
Docket 3919
Chron.

LOUIS E. BOLIS
REGISTERED LAND SURVEYOR
1806 ARAPAHOE STREET
GOLDEN, COLORADO

RECEIVED
OCT 4 - 1955

DMEA
Date Rec'd.
SEP 28 1955
BUREAU OF MINES
Denver, Colorado

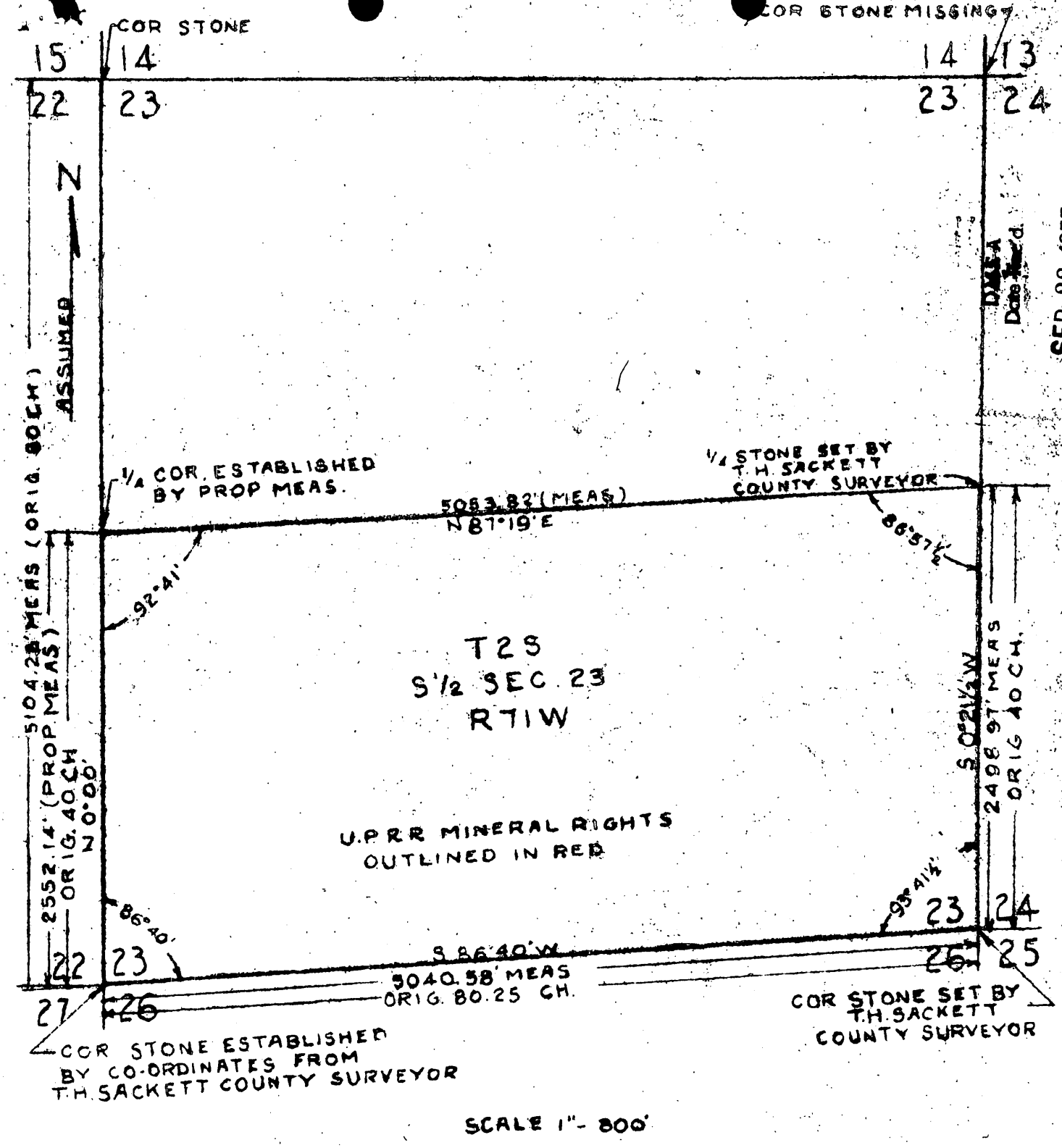


I hereby certify that I have located the collar of the shaft of a mine located in the NE¼ of Sec. 26 T 2 S R 71 W of the 6th PM in Jefferson County, Colo. as shown hereon and that the same shown hereon is a true and accurate transcription of said survey, to my knowledge and belief.

Louis E. Bolis

Louis E. Bolis, Reg. Land Surveyor # 1210

Sept. 27, 1955



SCALE 1" - 800'

SEP 28 1955
BUREAU OF MINES
Denver, Colorado

SURVEY MADE BY:
F.G. SCHURMAN
ASST. ENGINEER U.P.R.R.
OMAHA, NEB.
6-10-55

SURVEY
S½ SEC 23 T2S R71W 6TH PM
SCALE 1" - 800' 6-10-55

RECEIVED
OCT 4 - 1955

9/26/55 sgla

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
SEP 30 1955

September 20, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 3919 (Uranium), Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado

Enclosed are four copies of a joint recommendation on the subject docket and two copies of our letter to the applicant.

W. M. Traver

W. M. Traver

Enclosures

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

September 20, 1955

224 New Customhouse
Denver 2, Colorado

Mr. Joseph W. Walsh
Room 830
First National Bank Building
Denver, Colorado

Re: DMEA Docket 3919 (Uranium),
Hoffmeister Prospect, Jefferson
County, Colorado

Dear Mr. Walsh:

Before DMEA gives further consideration to your request for exploration assistance, you must determine the true location of the Nigger shaft and the true section line between Sections 23 and 26. The question of land ownership in the Nigger shaft area is critical.

Recent work in the area, by the U. S. Geological Survey, indicates that the Nigger shaft is in Section 23 about 150 feet north of the North Line of Section 26 (Mining rights in Section 23 are held by the Union Pacific Railroad). This position is based on the locations of section lines as shown on the U.S.G.S. map of the Ralston Buttes quadrangle. The exact position of the critical section line appears to be somewhat in question, and it is reported that recent attempts by private surveys to accurately fix the location of the section line have not been successful in resolving the problem. In U. S. Geological Survey Circular 320 (1953) on page 13, under the description of the Nigger shaft, the questionable ownership is discussed.

On Plate 1 and on the topographic map both of which were included in your application, the Nigger shaft has been mislocated at a point about 1,350 feet southwest of its actual location. Through this error the shaft is shown well within your leased ground.

When you submit a true map of your leased property showing the location of your proposed exploration work with respect to the property boundaries, especially the North Line of Section 26 and the Nigger shaft, we will continue to process your application.

Will you please give us an estimate of the time you think will be required to submit this map.

Very truly yours,

W. M. Traver

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

HMC:ab
cc: Sec. Opr. Comm. (2)
Harshman
Shaw (2)
Subject
Chron.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

DMEA Rec'd
1955
BUREAU OF MINES
Denver, Colorado

September 15, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman

Subject: DMEA Docket 3919 (Uranium), Joseph W. Walsh, Hoffmeister Project, Jefferson County, Colorado

The subject application for exploration assistance was reviewed preparatory to a field examination. The U. S. Geological Survey and the Atomic Energy Commission have considerable geologic data on the area, and the following comments are based on discussions held with representatives of both agencies.

The Nigger shaft area may contain significant deposits of uranium, similar in size and general character to the deposits at the Ralston Creek (Schwartzwalder) mine. In an attempt to assess the ore potential of the Nigger vein, the AEC excavated a trench just south of Ralston Creek. The Nigger vein was exposed by this work but it was less than 6 inches wide in this area and the radioactivity of the vein material was only slightly above background. Stripping to the north of Ralston Creek, between the creek and the Nigger shaft, exposed a 2- to 6-inch vein in a 1- to 2-foot wide shear zone. Radioactivity was limited to the vein material proper and was up to 20 times background. An inclined hole drilled just north of the Nigger shaft cut the vein at an elevation somewhat below the bottom of the Nigger shaft, but the vein material was only slightly radioactive.

It is the general concensus of all persons familiar with the area that there is reason to explore the Nigger vein north of Ralston Creek, particularly in the area from the Nigger shaft northward, but that at present there is little or no reason to explore south of Ralston Creek. Both areas are proposed for exploration by the applicant.

Assuming that DMEA would approve exploration in the Nigger shaft area by extending the Hoffmeister adit northward, as proposed by the applicant, the question of land ownership appears critical. Recent work in the area, by the U. S. Geological Survey, indicates that the

Nigger shaft is in section 23 about 150 feet north of the north line of section 26 (mining rights in section 23 are held by the Union Pacific Railroad). This position is based on the locations of section lines as shown on the U.S.G.S. map of the Ralston Buttes quadrangle. The exact position of the critical section line appears to be somewhat in question, and it is reported that recent attempts by private surveys to accurately fix the location of the section line have not been successful in resolving the problem. In U. S. Geological Survey Circular 320 (1953) on page 13, under the description of the Nigger shaft (Hoffmeister prospect), the questionable ownership is discussed.

With respect to the location of the Nigger shaft, I wish to point out that on Plate I and on the topographic map (both included in the application) the shaft has been mislocated at a point about 1,350 feet southwest of its actual location. Through this error the shaft is shown well within the ground leased by the applicant.

On the basis of presently available information, it appears that some work may be warranted along the Nigger vein north of Ralston Creek but that work south of the creek at best could be justified only after successful completion of work to the north.

Since it appears that work north of the creek may be on ground controlled by the Union Pacific Railroad, it is recommended that question of the location of the north line of section 26 with respect to the Nigger shaft be resolved by the applicant. Until this conflict is resolved, further processing of the application is not recommended.

E. N. Harshman

E. N. Harshman
Member, Field Team

I approve of the above recommendation.

John F. Shaw

John F. Shaw
Supervising Mining Engineer

ENHarshman:arh

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

224 New Customhouse
Denver 2, Colorado

August 16, 1955

Memorandum

To: W. H. King (w/brochure)
E. N. Harshman

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-3919 (Uranium), Joseph W. Walsh, Hoffmeister Prospect, Jefferson County, Colorado

Enclosed is the subject application in the amount of $119,610.00. You will note that the applicant's estimated costs for drifting are ridiculous.

Enclosed are a copy of a letter from the Chairman of the Operating Committee and attached memoranda from the members of the Uranium Commodity Committee.

A field examination and suitable report are required.

W. M. TRAVER,

W. M. Traver

Enclosures

HMC:pw

cc: Subject DMEA-3919
Chron
Sec.Op.Comm. (2)

RECEIVED
AUG 18 1955

Surname Copy
A. G. Keating
Ellis
Martin
F. J. Johnson

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

AUG 12 1955

Mr. W. H. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 3919 (Uranium)
Joseph W. Walsh
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Traver:

The subject application is being referred to Region III Field Team for investigation, a field examination if warranted, and recommendation. A copy of the application was retained by your office.

Enclosed are copies of memoranda from Mr. J. E. Crawford, dated July 29, and Mr. W. . Williams, dated August 8, 1955, members of the Uranium Commodity Committee.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (HB)

Enclosures

APPROVED:

/s/ Robert W. Geehan (HB)
Member, Bureau of Mines

Thor H. Kiilsgaard (HB)
Member, Geological Survey

AGKeating:ai
8/11/55
cc to: Admr. Reading File
Operating Committee
Docket
Messrs. J.E. Crawford, Rm. 3641
T.H. Kiilsgaard, Rm. 5224
J.O. Hosted, Rm. 3210, GSA
Code 700
Mr. Keating

Surname Copy
A.G. Keating
Ellis
Richmond
Geehan
Martin
Johnson

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

AUG 12 1955

Mr. Joseph W. Walsh
Room 830
1st National Bank Building
Denver, Colorado

Re: Docket No. DMEA-3919 (Uranium)
Hoffmeister Prospect
Jefferson County, Colorado

Dear Mr. Walsh:

The application for assistance in exploring the subject property in Jefferson County, Colorado, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to the Executive Officer of Region III at the following address:

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

The Regional Office will communicate with you in regard to your project if additional information is required.

Sincerely yours,

C. O. Mittendorf (for)
Administrator

AGKeating:ai
8/11/55
cc to: Admr. Reading File
Docket
Code 700
Mr. Keating
DMEA Field Team, Region III (2)

8/9/55 gla

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
AUG - 9 1955

August 8, 1955

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of DMEA application, Docket No. 3919, Joseph W. Walsh, Hoffmeister Prospect, Ralston Creek area, Jefferson County, Colorado, (Uranium).

The applicant proposes to explore for uranium ore on 320 acres of fee land by means of bulldozer stripping and by driving 600 feet of adit. Estimates and cost figures are out of line, but the applicant estimates the total project costs to be $119,610.

Considerable information on the Ralston Creek area is already in Geological Survey files. The applicant does not mention any new work completed on the property since the information on the area was obtained. Because uranium mineralization and producing properties are known in the area it seems advisable to seriously consider a DMEA contract on the subject property.

Because of the amount of information available I doubt that a very extensive field examination would be necessary.

From the habit of other 'vein' deposits in the vicinity, tonnages of ore in individual deposits are not apt to be large. Consequently I doubt that the property warrants the expenditure of close to $120,000.

I recommend that the application be referred to the Field Team for review. If a contract is warranted, as expected, then it would be advisable for the Field Team to consult with the applicant in the effort to arrive at a greatly modified, reduced, and realistic exploration program.

WPWilliams

W. P. Williams

7/29/55 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
JUL 29 1955

July 29, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 3919, Joseph W. Walsh, Ralston Creek property, Jefferson County, Colorado

I have reviewed the attached application, Joseph W. Walsh, DMEA Docket 3919; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We suggest that the application be referred to the Field Team for examination and report, and the Field Team be requested to consult with C. C. Towle, Atomic Energy Commission, Denver, Colorado.

Based on my knowledge and experience, I believe that the cost of driving the exploration tunnel described in this application is very high; sample assaying also seems rather high.

John E. Crawford
John E. Crawford

Attachment

July 28, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region III.

DMEA-3919 Joseph W. Walsh

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

July 28, 1955
Subject: DMEA-3919
Re: Exploration Assistance
Hoffmeister Prospect

Joseph W. Walsh
Room 830
1st National Bank Bldg.
Denver, Colorado

Dear Mr. Walsh:

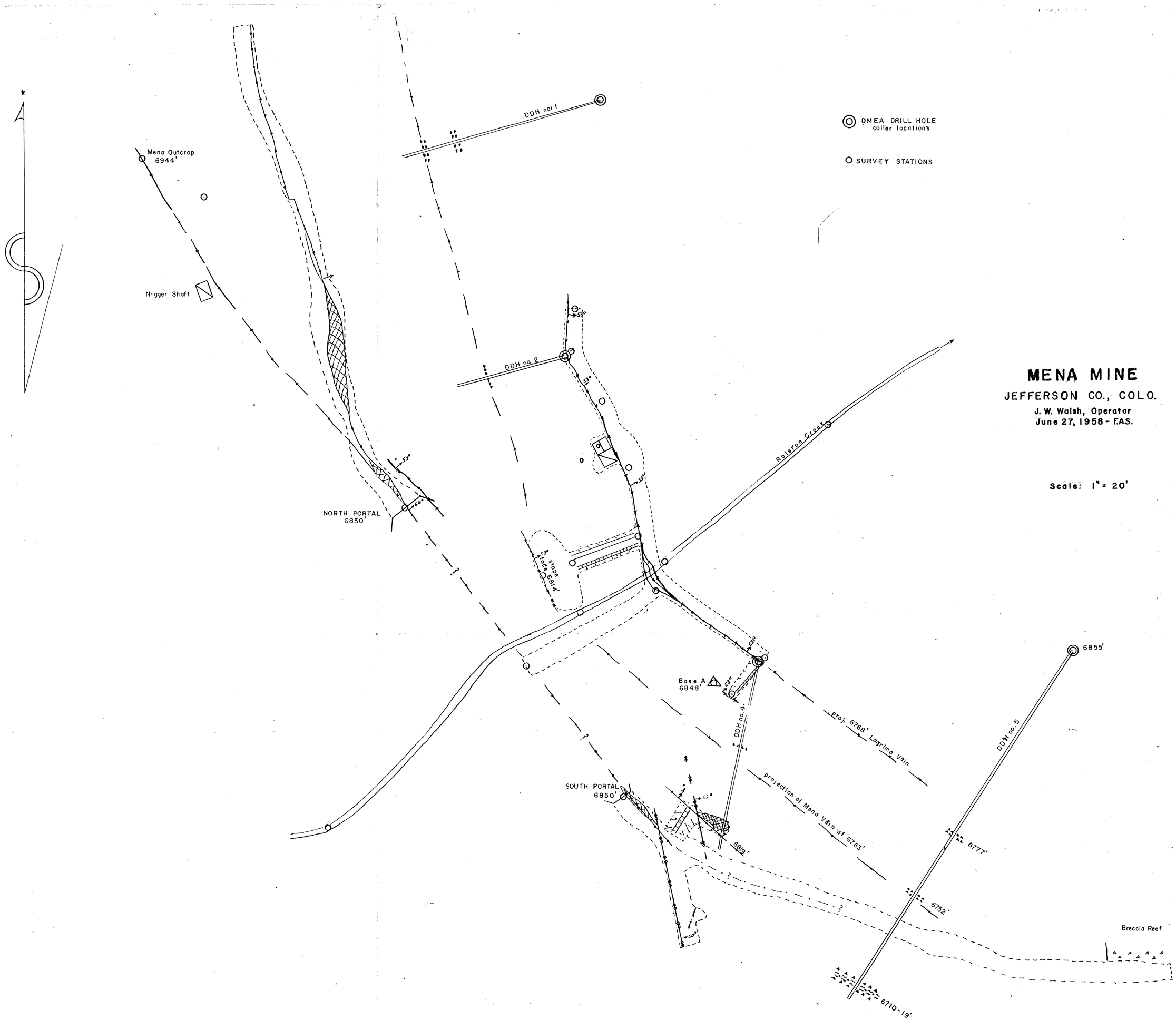
The receipt of your application dated July 21, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3919 and referred to the Rare & Miscellaneous Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

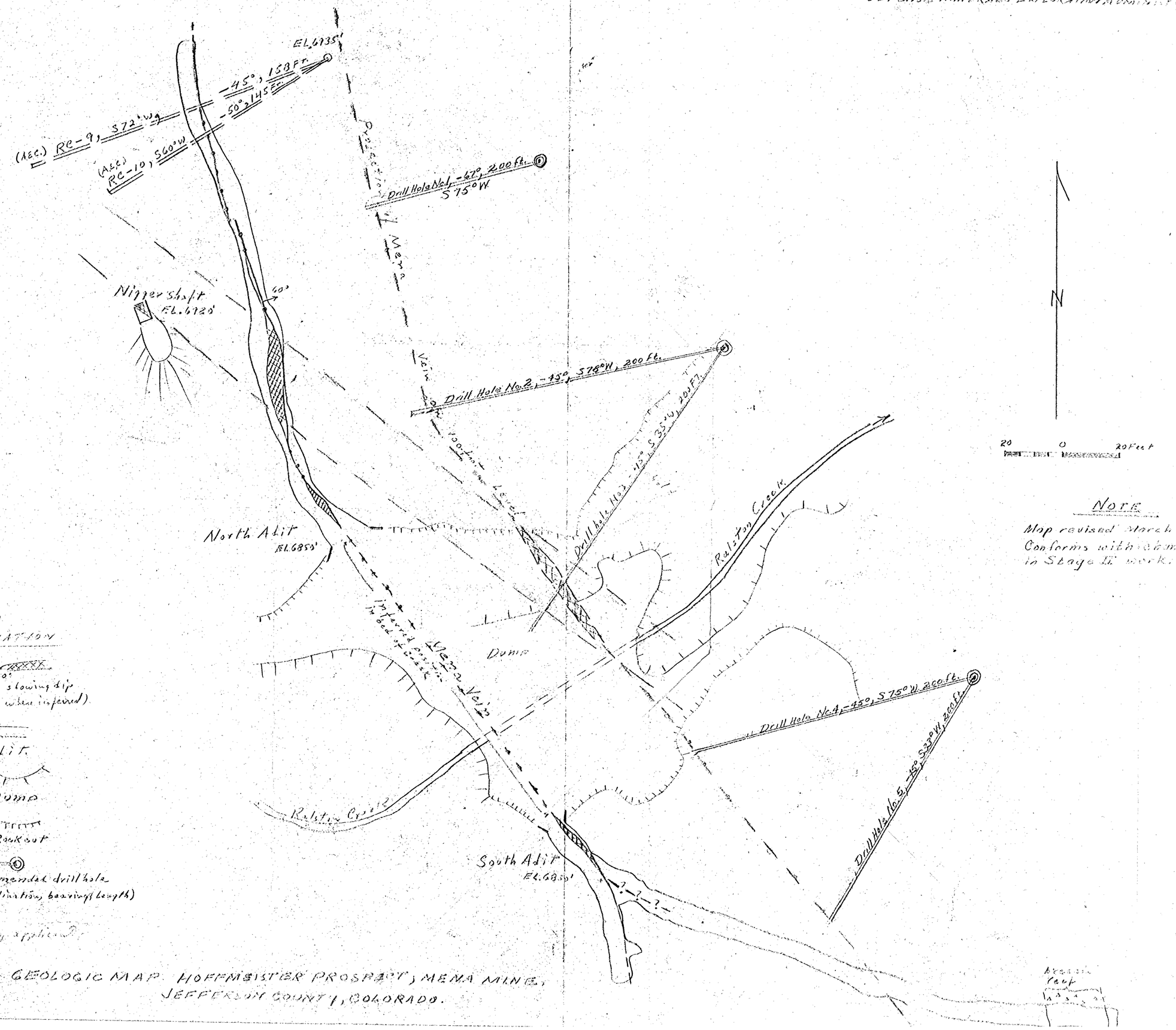
Robert E. Adams, Chief
Operations Control and
Statistics Division


MENA MINE
JEFFERSON CO., COLO.
J. W. Walsh, Operator
June 27, 1958 - F.A.S.
Scale: 1" = 20'
DMEA DRILL HOLE collar locations
SURVEY STATIONS
DDH no 1
DDH no 2
DDH no 4
DDH no 5
Mena Outcrop 6944'
Nigger Shaft
NORTH PORTAL 6850'
SOUTH PORTAL 6850'
3rd stope face 6814'
Base A 6848'
Ralston Creek
proj. 6768' Lagrima vein
projection of Mena Vein at 6763'
6819'
6855'
6777'
6752'
6710-19'
Breccia Reef

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3719 Lim E915

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION



NOTE

Map revised March 26, 1951.
Conforms with changes recommended in Stage II work.

EXPLANATION

Vein showing dip (dashed when inferred)

Adit

Dump

Rockout

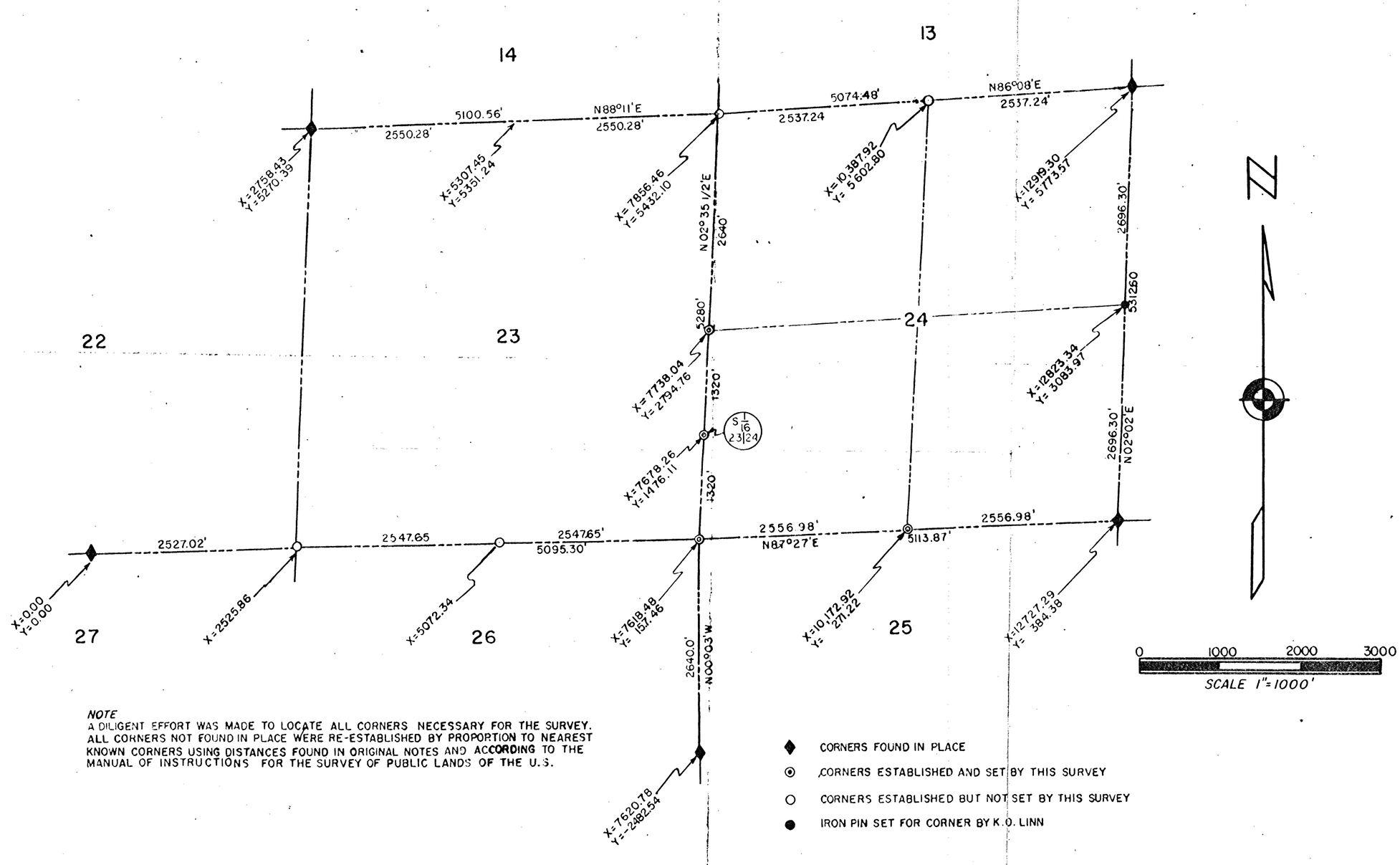
Recommended drill hole (No., inclination, bearing, length)

Map supplied by applicant.

GEOLOGIC MAP HOFFMEISTER PROSPECT, MENA MINE, JEFFERSON COUNTY, COLORADO.

PLAT
of
SURVEY TO LOCATE THE LOST CORNERS OF Sec. 24, T2S, R71W OF THE 6th PM

T.H. Sackett

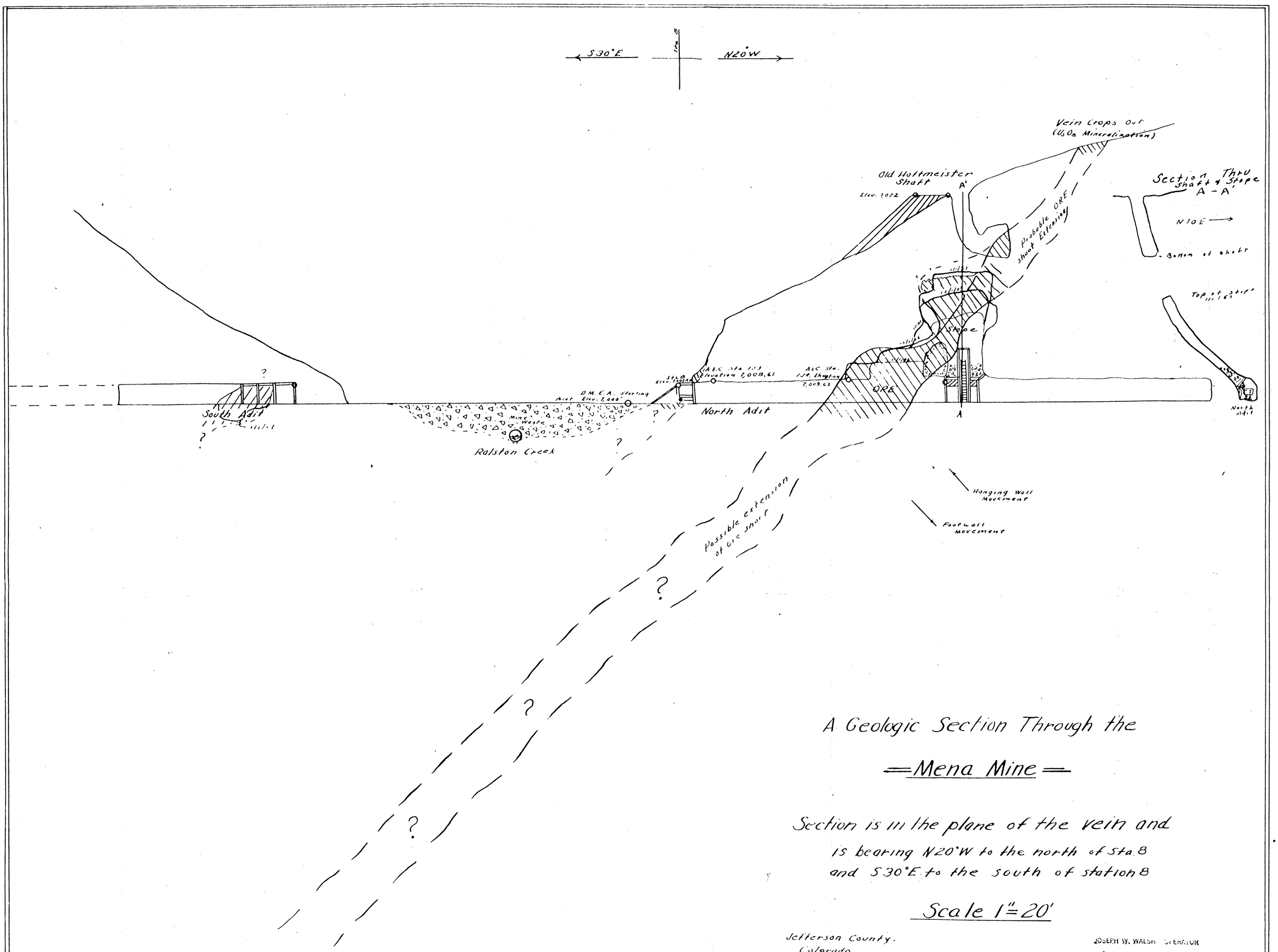


NOTE
A DILIGENT EFFORT WAS MADE TO LOCATE ALL CORNERS NECESSARY FOR THE SURVEY. ALL CORNERS NOT FOUND IN PLACE WERE RE-ESTABLISHED BY PROPORTION TO NEAREST KNOWN CORNERS USING DISTANCES FOUND IN ORIGINAL NOTES AND ACCORDING TO THE MANUAL OF INSTRUCTIONS FOR THE SURVEY OF PUBLIC LANDS OF THE U.S.

◆ CORNERS FOUND IN PLACE
⊙ CORNERS ESTABLISHED AND SET BY THIS SURVEY
○ CORNERS ESTABLISHED BUT NOT SET BY THIS SURVEY
● IRON PIN SET FOR CORNER BY K.O. LINN

JUNE.24, 1954

T.H. SACKETT
REG. LAND SURVEYOR



A Geologic Section Through the

Mena Mine

Section is in the plane of the vein and is bearing N20°W to the north of Sta. 8 and S30°E to the south of station 8

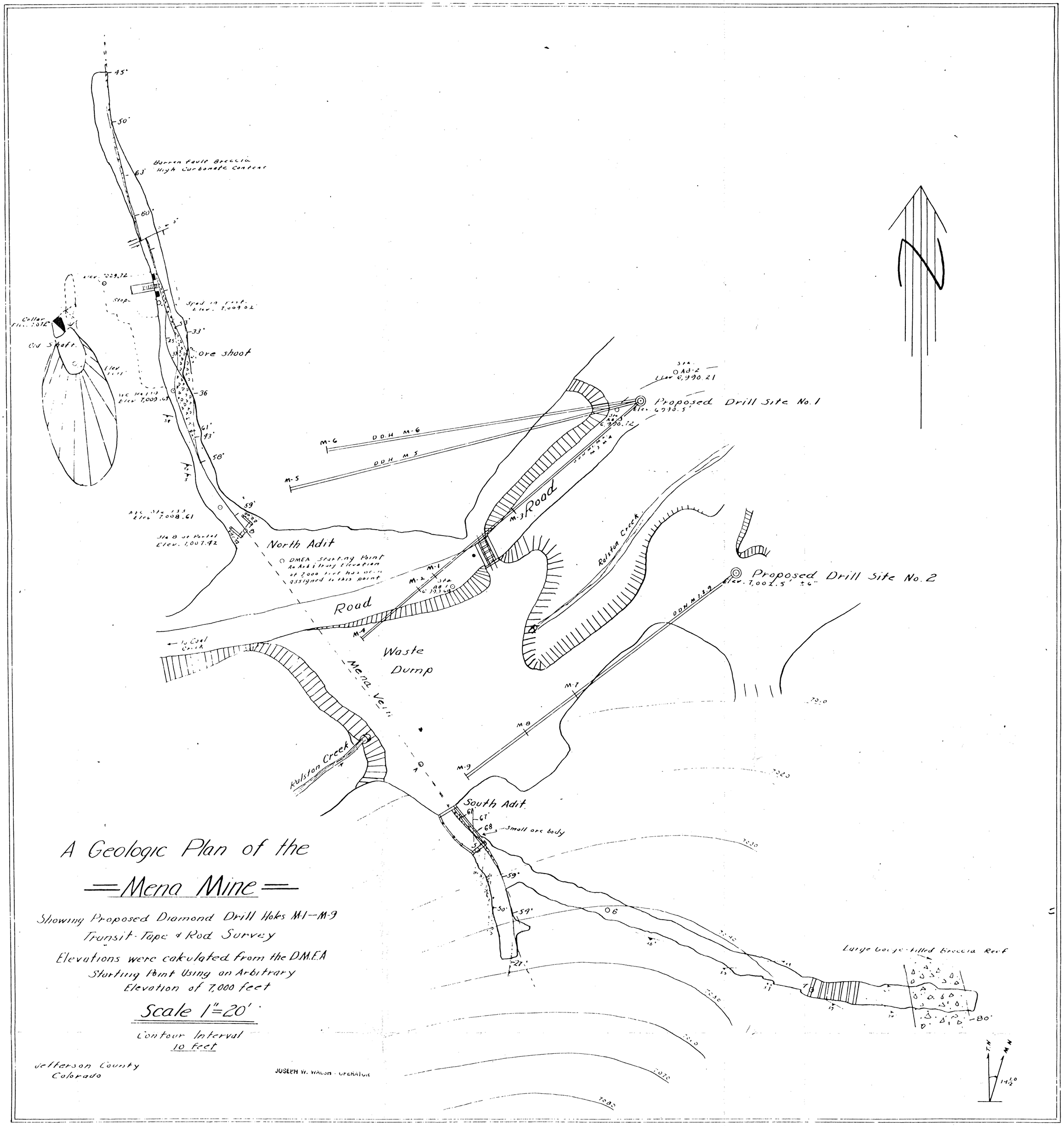
Scale 1" = 20'

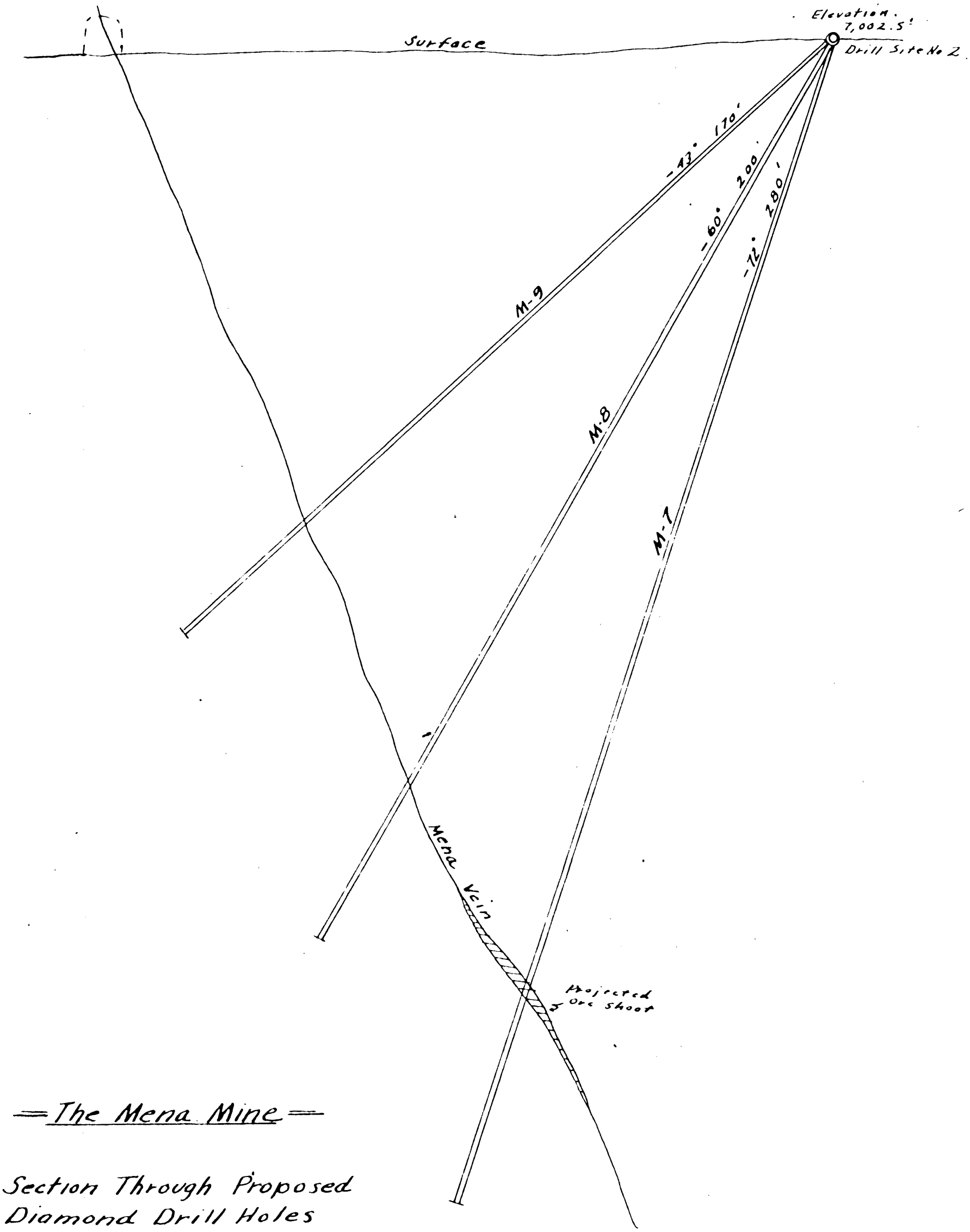
Jefferson County, Colorado

JOSEPH W. WALSH OPERATOR
11/24/56

Brought to Date: 1/15/57

Transit Tape & Rod Survey


A Geologic Plan of the
Mena Mine
Showing Proposed Diamond Drill Holes M-1—M-9
Transit-Tape & Rod Survey
Elevations were calculated from the D.M.E.A
Starting Point Using an Arbitrary
Elevation of 7,000 feet
Scale 1"=20'
Contour Interval
10 feet
Jefferson County
Colorado
JOSEPH W. WALSH - OPERATOR
Burrow fault Breccia
High Carbonate Content
ore shoot
Old Shaft
North Adit
DMEA Starting Point
An Arbitrary Elevation
of 7000 feet has been
assigned to this point
Road
Waste
Dump
Mena Vein
Ralston Creek
South Adit
Small ore body
Proposed Drill Site No. 1
Elev. 6,990.5'
Proposed Drill Site No. 2
Elev. 7,001.5' ±6"
DDH M-6
DDH M-5
Large Gouge-filled Breccia Reef
TN
MN
14½°



The Mena Mine

Section Through Proposed
Diamond Drill Holes
M-7, M-8, & M-9

Scale 1" = 20'

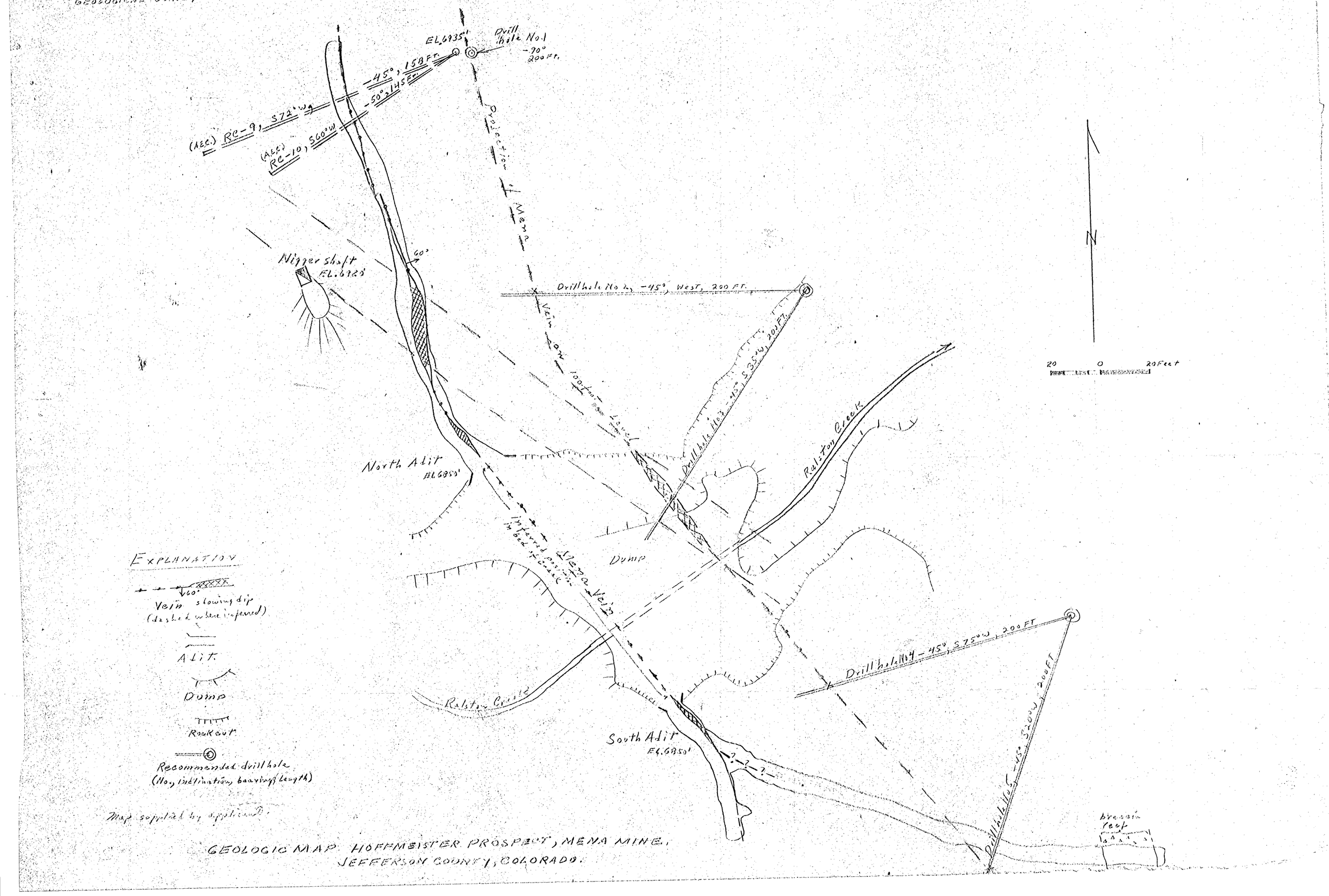
November 26, 1956

JOSEPH W. WALSH · OPERATOR

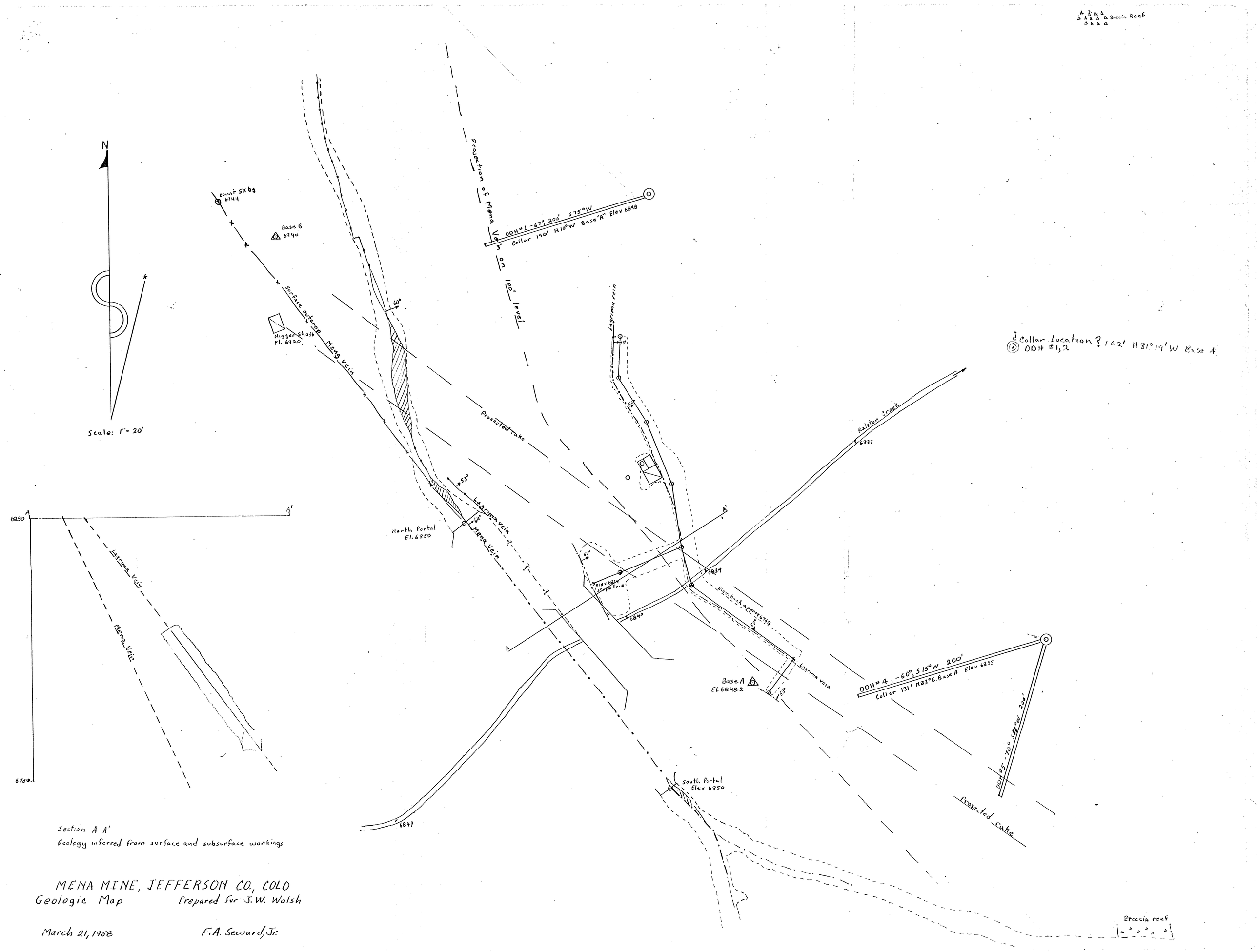
U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3919 Idm E915

PREPARED FOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION



GEOLOGIC MAP HOFFMEISTER PROSPECT, MENA MINE,
JEFFERSON COUNTY, COLORADO.

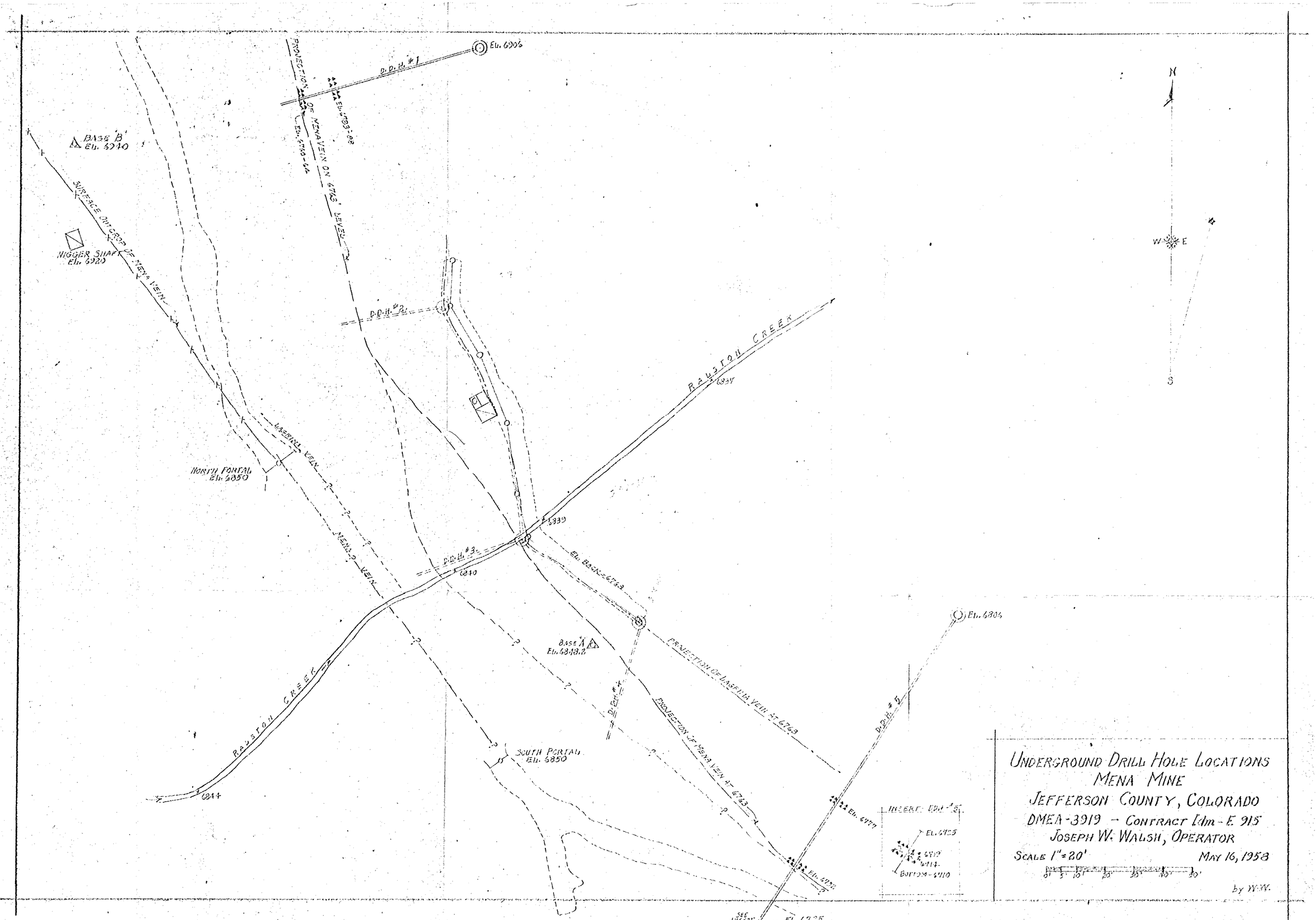


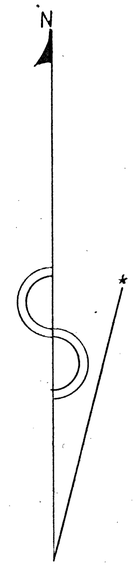
Section A-A'
Geology inferred from surface and subsurface workings

MENA MINE, JEFFERSON CO., COLO
Geologic Map
Prepared for J.W. Walsh

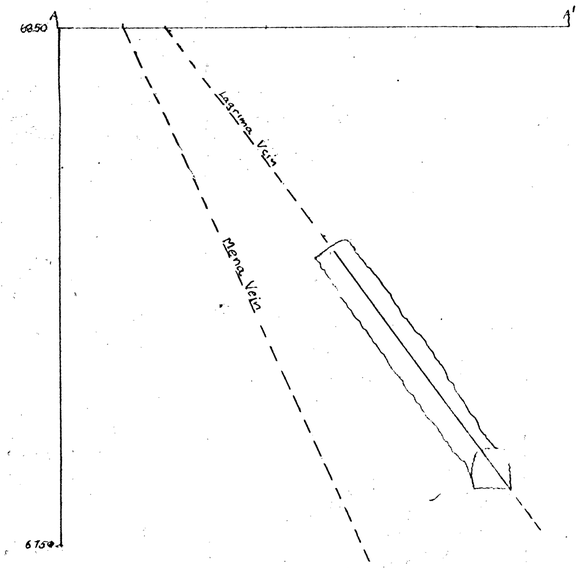
March 21, 1958

F.A. Seward, Jr.


N
S
W
E
Underground Drill Hole Locations
Mena Mine
Jefferson County, Colorado
DMEA-3919 - Contract Idm-E 915
Joseph W. Walsh, Operator
Scale 1" = 20'
May 16, 1958
by W.W.
Elev. 6906
D.D.H. #1
Elev. 6783-88
Elev. 6740-44
Projection of Mena Vein on 6740' Level
Base 'B'
Elev. 6940
Surface Outcrop of Mena Vein
Nigger Shaft
Elev. 6920
D.D.H. #2
Ralston Creek
6835
Lazbina Vein
North Portal
Elev. 6850
6839
Mena Vein
D.D.H. #3
6840
Elev. Back = 6743
Base 'A'
Elev. 6848.2
Projection of Lazbina Vein at 6763
Projection of Mena Vein at 6763
D.D.H. #4
D.D.H. #5
Elev. 6806
South Portal
Elev. 6850
Ralston Creek
6844
Elev. 6777
Elev. 6732
Elev. 6725
See Insert
Insert: D.D.H. #5
Elev. 6765
6757
6714
Bottom - 6710



Scale: 1" = 20'



Section A-A'
Geology inferred from surface and subsurface workings

MENA MINE, JEFFERSON CO., COLO
Geologic Map
Prepared for J.W. Walsh

March 21, 1958
Revised May 8, 1958

F.A. Seward, Jr.

Breccia Reef

Projection of Mena Vein on 6700' level

Elev. 6906

DDH #1

Count 5x6g 6744

Base B 6940

Surface outcrop Mena vein

Nigger shaft El. 6920

60°

Lagrima vein

DMEA #2

Prospected take

Ralston Creek 6837

53°

Lagrima vein

Mena Vein

North Portal El. 6850 (spot in back)

DDH #3

6839

Elev. 6814 (Steps face)

Elev. back approx 6788

Base A El. 6848.2

Lagrima vein

Projection of Lagrima vein at 6768'

DDH #4

Projection of Mena vein at 6743'

South Portal Elev. 6850

6847

6810'

Prospected Sake

El. 6777

El. 6752

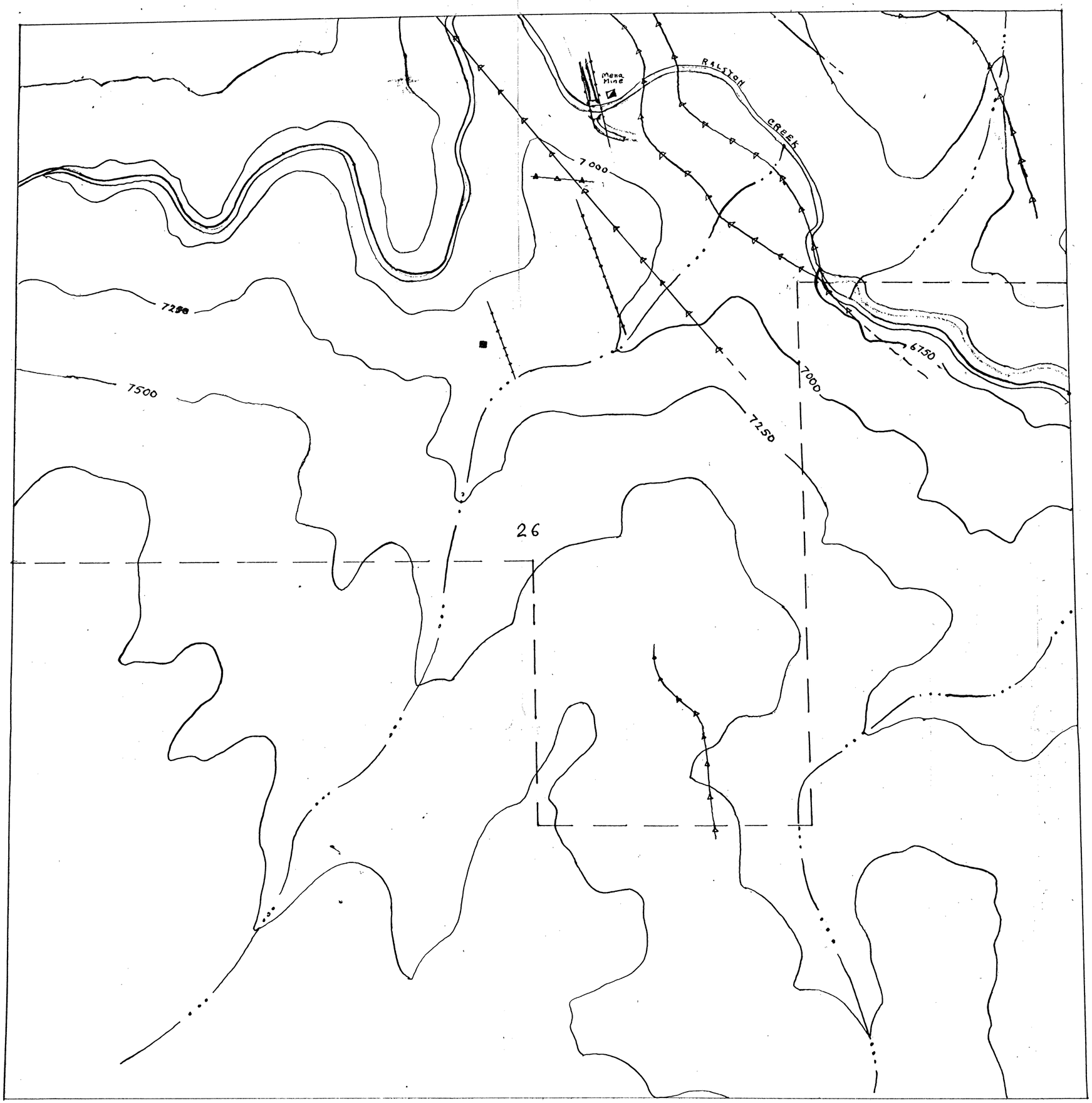
El. 6725 see inset

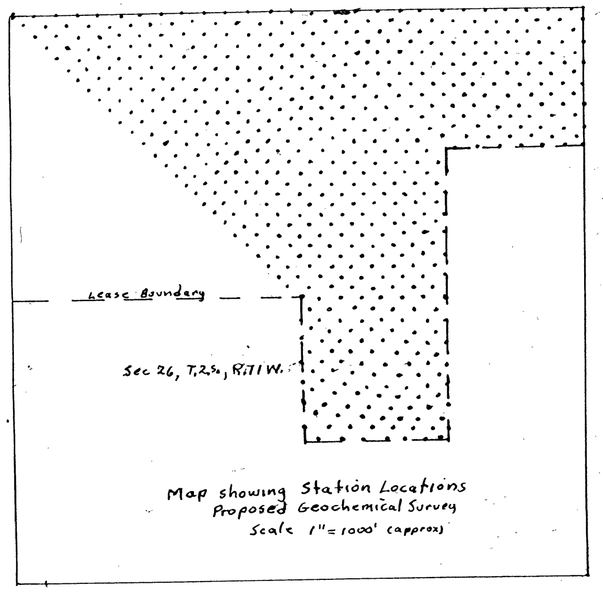
El. 6855

DDH #5

El. 6725
Base El. 6719
Elev. 6714
El. 6714
Bottom 6710

6844





Map showing Station Locations
Proposed Geochemical Survey
Scale 1" = 1000' (approx)

Boundary Lines
J. W. Walsh
Mineral Lease

Observed Major Reef Structure

Observed Secondary Structure

N

S

SKETCH MAP
MENA MINES
J. W. Walsh Mineral Lease
On Section 26, T. 2 S., R. 71 W., Jefferson Co., Colo.

0 500' 1000' 1500'

Approximate Scale: 1" = 325'

F.A.S. - June '58

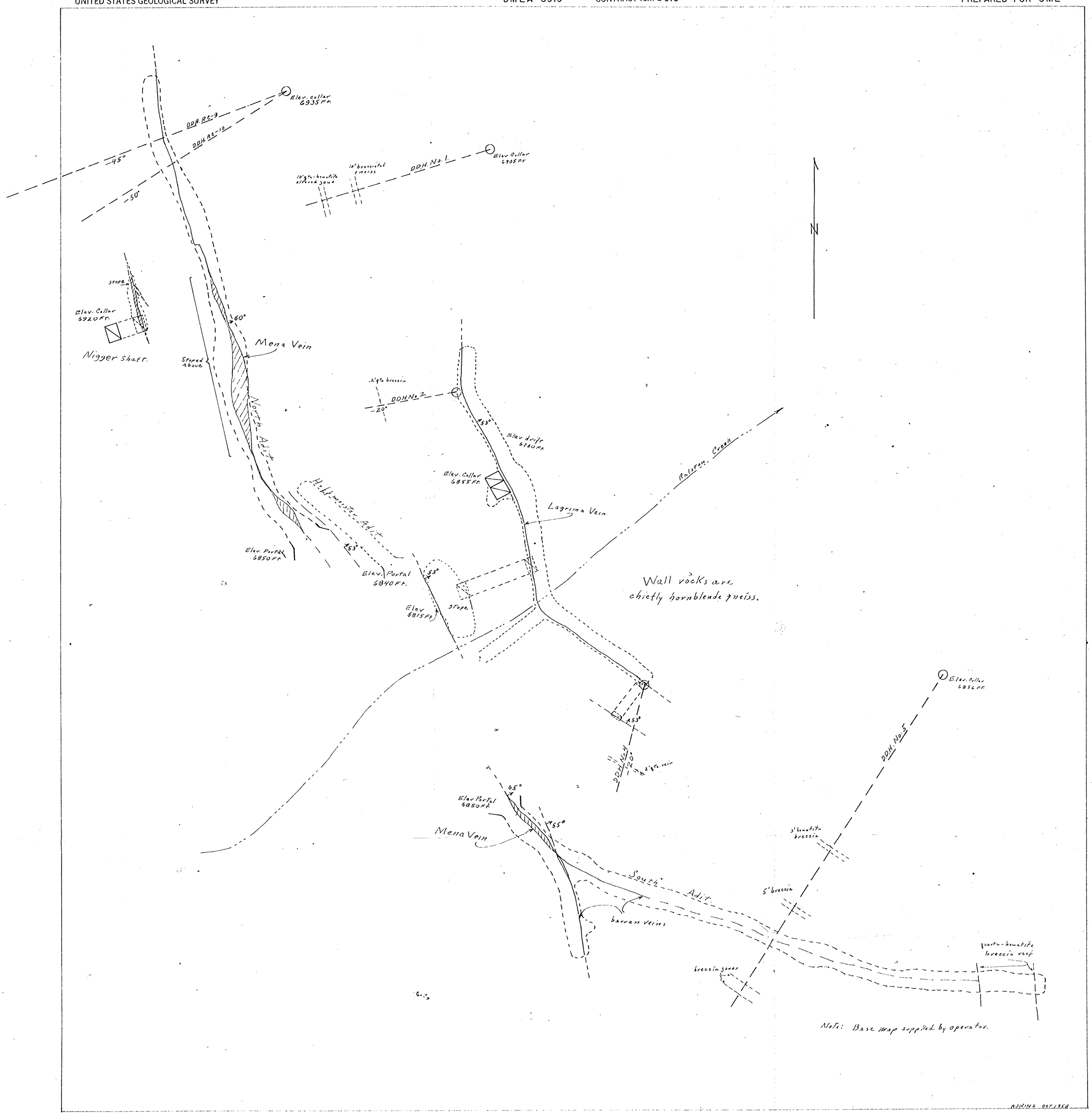


FIGURE 3.-- GEOLOGIC MAP, MENA MINE SHOWING EXPLORATION, JOSEPH W. WALSH MINERAL LEASE, JEFFERSON COUNTY, COLORADO.

20 0 20 FEET

Reproduced from U.S.G.S.
Circular 320 (1953)

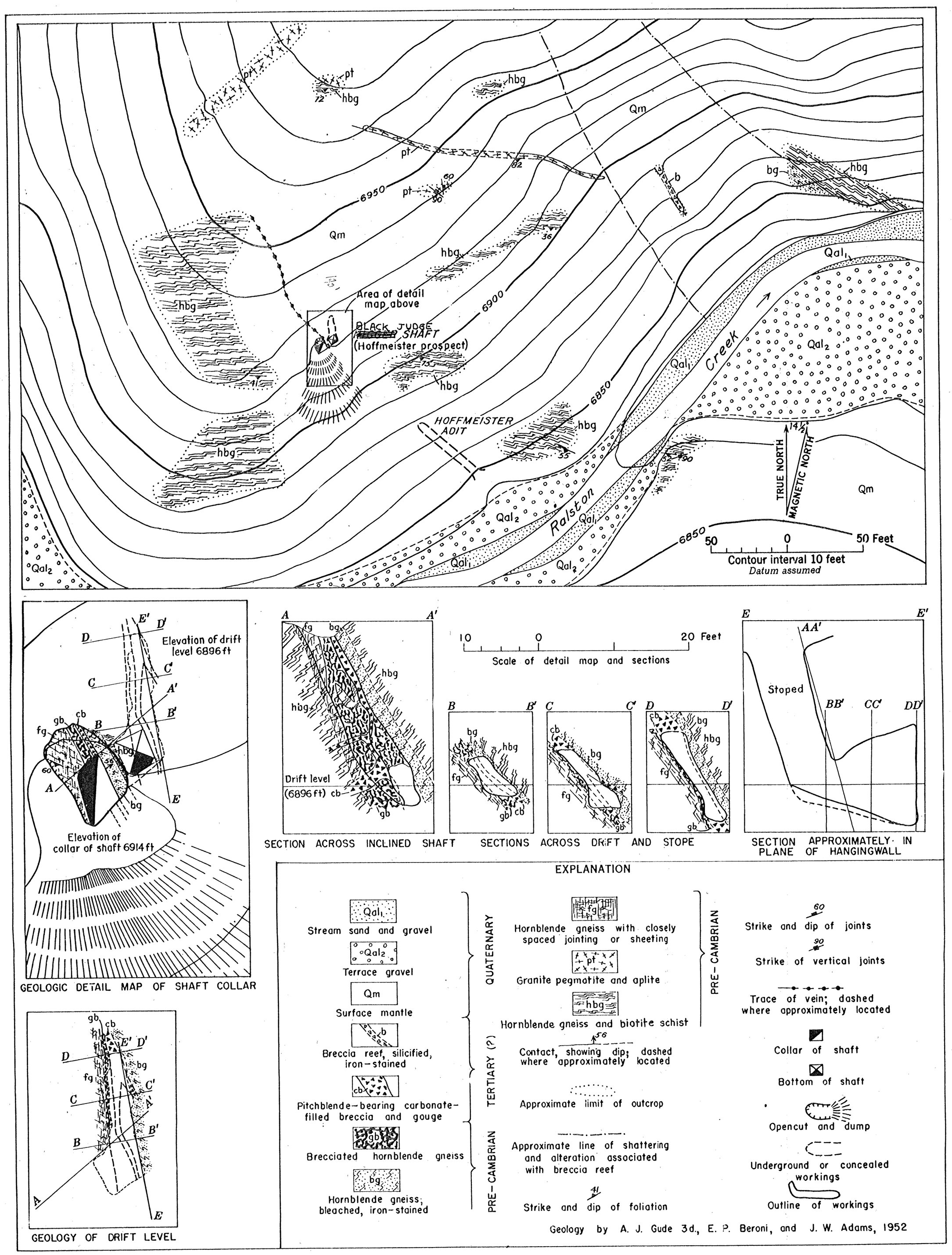


Figure 9.--Geology of ~~Nigger~~ BLACK JUDGE shaft (Hoffmeister prospect), Jefferson County, Colorado.

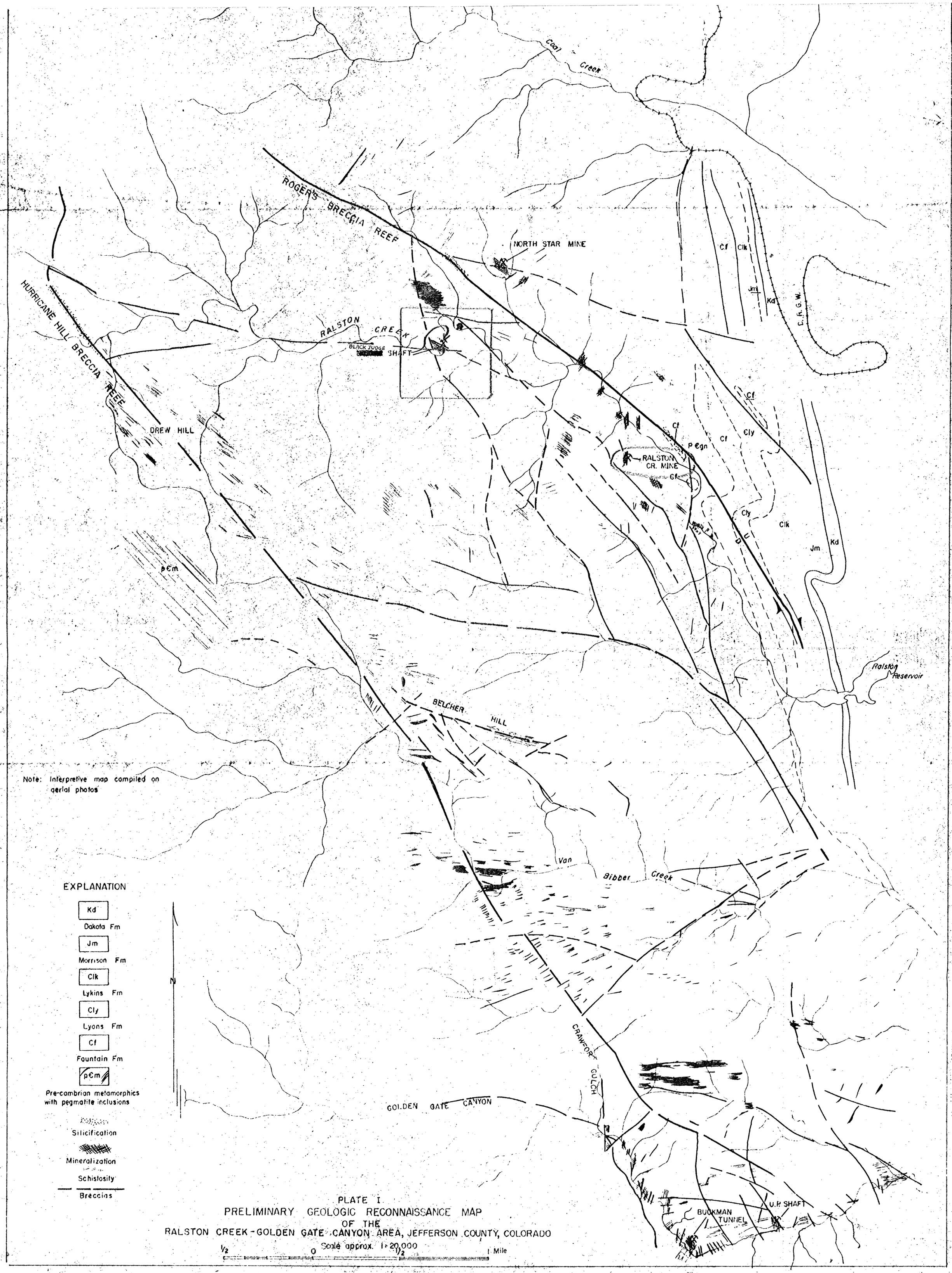


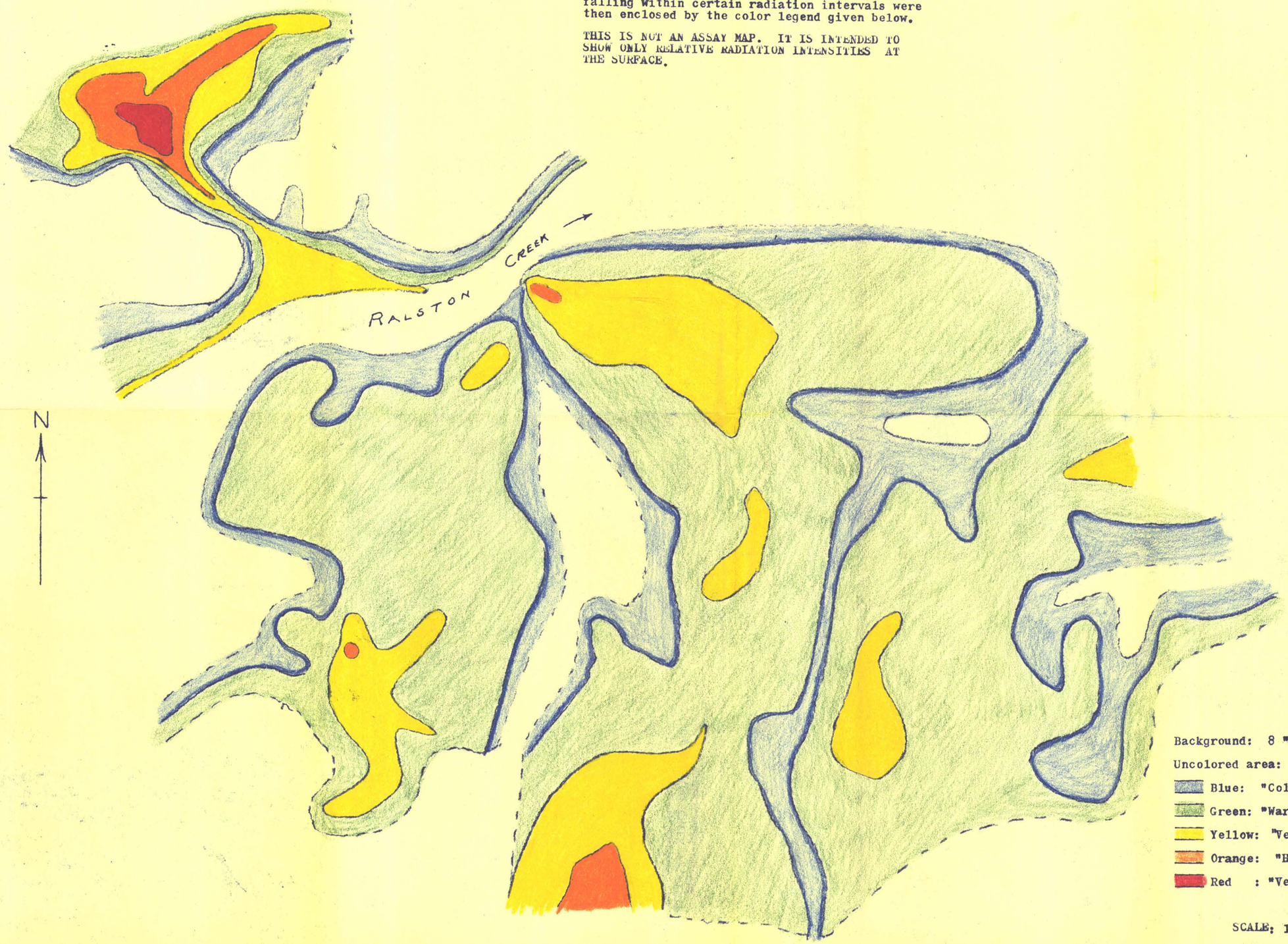
PLATE I
PRELIMINARY GEOLOGIC RECONNAISSANCE MAP
OF THE
RALSTON CREEK - GOLDEN GATE CANYON AREA, JEFFERSON COUNTY, COLORADO
Scale approx. 1:20,000

THIS IS AN ISO-RAD MAP

OF A PORTION OF SECTION 26, TOWNSHIP 2 SOUTH, RANGE 71 WEST, 6 P.M., JEFFERSON COUNTY COLO.

It was prepared by taking several hundred Scintillator readings over the area at 15 to 20 ft. spacing, and mapping the position and radioactive intensity of each point. Points falling within certain radiation intervals were then enclosed by the color legend given below.

THIS IS NOT AN ASSAY MAP. IT IS INTENDED TO SHOW ONLY RELATIVE RADIATION INTENSITIES AT THE SURFACE.



LEGEND

Background: 8 "units" on Scintillator

Uncolored area: Not measured, or inaccessible.

Blue: "Cold" (8-12 units)

Green: "Warm" (12-16 units)

Yellow: "Very Warm" (16-20 units)

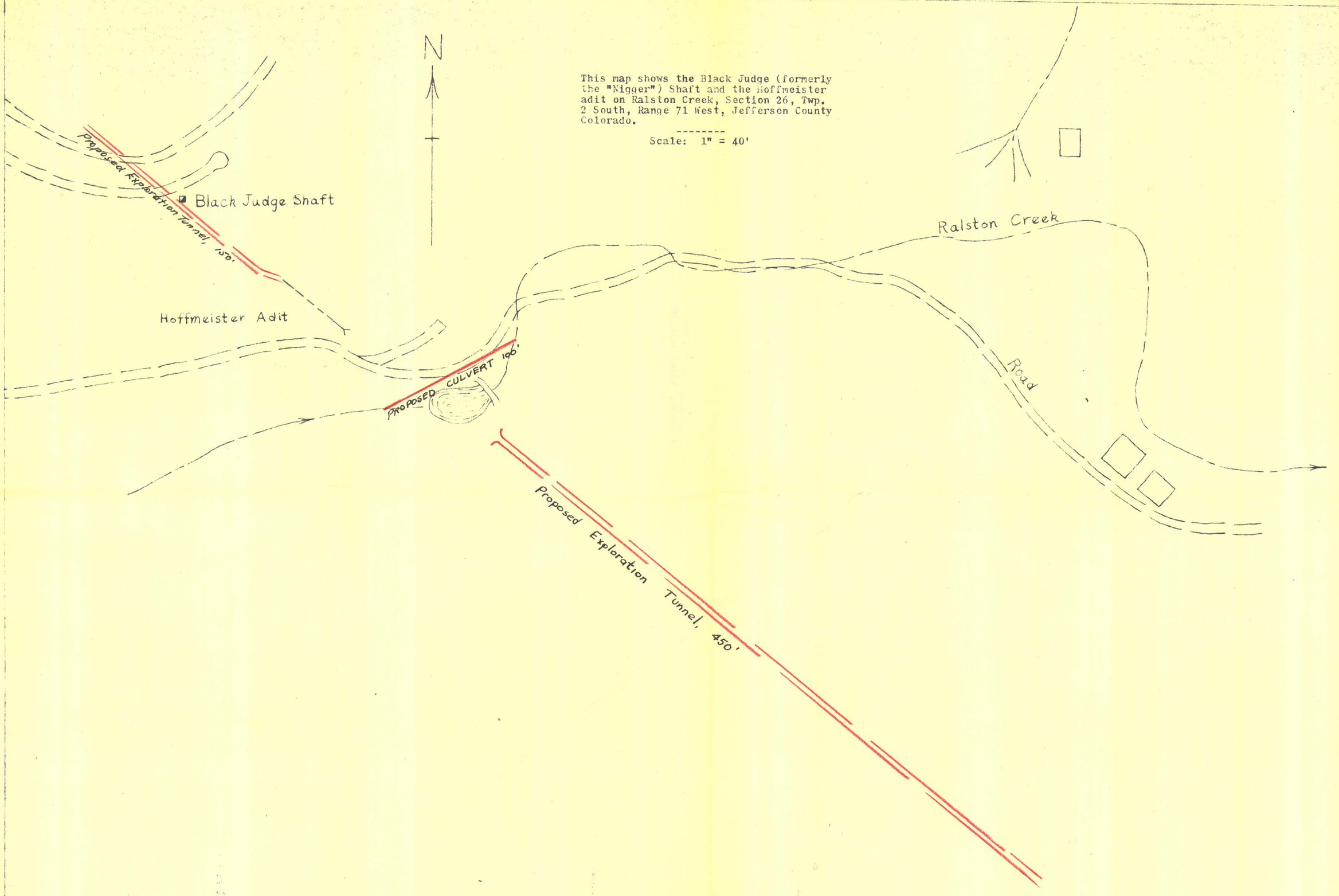
Orange: "Hot" (20-40 units)

Red : "Very Hot" (40-140 units)

SCALE: 1" = 40'

Paul H. Keating

Paul H. Keating
2180
STATE OF COLORADO

This map shows the Black Judge (formerly the "Nigger") Shaft and the Hoffmeister adit on Ralston Creek, Section 26, Twp. 2 South, Range 71 West, Jefferson County Colorado.

Scale: 1" = 40'