DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE E-979 DMEA NO. 4240

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(Withdrawn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
(3) 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)
✓ 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

Right Side Folder #2

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

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-K979, Docket DMEA-4240 (tungsten), dated July 23, 1956, with

John J. Thrasher, Helen C. Thrasher, and Robert E. Taaffe
Gerlach, Nevada
and their assignee
Cordero Mining Company
131 University Avenue
Palo Alto, California

for the purpose of determining the amount of royalty payable to the U. S. Government on sales of minerals from property referred to as the Stormy Day, et al., Groups of Claims (Thrasher Property) located in Pershing County, Nevada, during the period January 1, 1959, through March 19, 1963.

A certification of discovery or development was issued on March 24, 1958, and, in accordance with Article 6 and Amendment No. 2 of the contract, royalty is payable on all minerals produced from the land described in Article 2, as amended, of the contract for a period of 11 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 March 20, 1958, indicated accepted costs under the exploration contract amounting to $41,463.34 with the Government's contribution on a 75 percent basis being $31,097.51.

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

This review established no sales subject to the Government's royalty subsequent to the period covered by a prior Report of Royalty Review which also found no sales subject to the Government's royalty through December 31, 1958. The royalty account as of December 31, 1958, was:

Total Royalty Payable	$ -0-
Total Royalty Paid	-0-
Balance of Royalty Due	$ -0-

As of March 19, 1963, the royalty account of this project was found to be:

Total Royalty Payable	$ -0-
Total Royalty Paid	-0-
Balance of Royalty Due	$ -0-

E. D. Talbert

March 26, 1963 — E. D. Talbert, OME Auditor

Idm-2979 Cordero Mining Company, Assignee DMEA-4240

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 the land thereunder. At the time the contract was executed, the land consisted of Stormy Day Nos. 3, 4, 7, 8, 9, and 10, and Stormy Day Fraction Nos. 1 and 2 unpatented lode mining claims in the Hooker Mining District. Stormy Day Fraction Nos. 3 and 4, Extension, and Extensions Nos. 1 through 5 claims were added by amendment. All sixteen of the claims were held by location by the Operator.

On January 25, 1957, Helen C. Thrasher, widow of John J. Thrasher, and Robert E. Taaffe granted a lease of the property to the Cordero Mining Company. On March 15, 1957, the Government consented to the assignment of the contract to the lessee without releasing the assignor from any of the provisions of the contract. In consideration of the assignment the Operator-Assignor-Lessor executed a Consent to Lien and Subordination Agreement on February 14, 1957.

Exploration work under the contract was discontinued on August 15, 1957. No ore was produced during the exploration period and subsequent examinations of the property and inquiries have disclosed no further activity on the property through the period covered by this review.

In an April 7, 1958, letter acknowledging receipt of the certification of discovery or development, the Operator-Assignee advised that it had "quit claimed" the property back to the original owners and given up its lease and option. However, no copies of the quit claim instrument were furnished to the Government as required by Article 2(c) of the contract. In an August 2, 1962, reply to a MMI Form 63 inquiry, the Operator-Assignee stated that it had no knowledge of the property since return to the owners on September 30, 1957.

In a March 19, 1963, reply to a MMI Form 63 inquiry, Helen C. Thrasher, Gerlach, Nevada, indicated that no change in property status has occurred since September 30, 1957, and there has been no production from the property since July 1, 1958.

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 no minerals were produced from the property through the period covered by this review;

(2) The property has been inactive since August 1957; and

(3) 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 royalty which might be disclosed.

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

MAY 15 1959
O.M.E.

REPORT OF ROYALTY REVIEW

I have reviewed the files and records of the OME Field Team, Region II, pertaining to Contract No. Idm-E979, Docket No. DMEA-4240 (Tungsten), dated July 23, 1956, including Amendment Nos. 1 to 4, inclusive, with

Cordero Mining Company, Assignee
131 University Avenue
Palo Alto, California

for the purpose of determining the amount of royalties due the U. S. Government on sales of tungsten from property known as the Thrasher Mine, located in Pershing County, Nevada, during the period July 23, 1956 to December 31, 1958.

A certification of discovery or development was issued on March 24, 1958 and accordingly royalty is payable on all production from the land described in Article 2 and Annex I of the contract, for a maximum period of 11 years from the date of contract as stipulated under Item 4 of Amendment No. 2 of the contract. A Report of Review in lieu of final cost audit dated March 20, 1958, indicated acceptable costs under the exploration contract amounted to $41,463.34 with the Government's contribution on a 75 percent basis, being $31,097.51.

No royalties have been paid to date in connection with this contract.

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

(a) According to the Field Team's Semi-Annual Report of Certified Projects for the period July 1, 1958 to December 31, 1958, there was no production during the period covered by this review. Cordero Mining Company released option to owners.

(b) 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 royalty which might be disclosed.

George Mavor
George Mavor, OME Auditor

May 13, 1959

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3-19	Holt	400
3-19	Martin	400
	[illegible]	140
	[illegible]	140
3/21	Talbot	800
3/24	[illegible]	130
3/24	[illegible]	130
"	Johnson	140
		~~110~~

100
JHS
320
3/24 Kilsgaard 130

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

To: Cordero Mining Company, Assignee
131 University Avenue
Palo Alto, California

Pursuant to the provisions of Exploration Project Contract No. Idm-E979, executed July 23, 1956, (Docket No. DMEA 4240), as amended, hereinafter called the "Contract", between Cordero Mining Company (Assignee of John J. Thrasher (deceased), Helen C. Thrasher and Robert E. Taaffe) and the United States of America, hereinafter called the "Government"; to establish and fix the Government's royalty on production and its lien therefor and on the land described in the contract, the Government considers and therefore certifies that a discovery or development from which production may be made has resulted from the exploration.

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

Drifting and crosscutting in the Thrasher mine, with diamond drilling on the surface, have indicated an appreciable tonnage of tungsten ore in the form of scheelite-bearing tactite zones near a contact between granite and limestone.

THE UNITED STATES OF AMERICA

Dated: _____, 1958

By _____
Administrator, Defense Minerals
Exploration Administration

SPHOLT:foc 3-19-58
cc to: Docket
Code 400
110
800
Admr. R. File
Oper. Comm.
FT. REG. II
Finance Officer

cc to: Messrs. C. A. Fredell, GSA
F. D. Lamb, USBM
R. W. Holliday, USBM
T. H. Kiilsgaard, USGS
Robert E. Taaffe
Mrs. Helen C. Thrasher

8623

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Cordero Mining Company
Assignee of
John J. Thrasher, Helen C. Thrasher and Robert E. Taafe
131 University Avenue
Palo Alto, California

pertaining to Exploration Project Contract No. Idm-8979, Docket No. DMEA-4240, including Amendment Nos. 1,2,3 and 4, for the months of August 1956 to August 1957, inclusive, covering a project for the exploration of Tungsten, on property known as the Thrasher Mine, located in Pershing County, Nevada.

My review included an examination of the Monthly Reports (Forms 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 following reason:

All of the costs incurred were under a contract provision for payment by the Government on the basis of fixed unit costs of work actually performed.

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

Total cost as billed by Contractor		$41,463.34
Exceptions:		
Prior to this review	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$41,463.34

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 Thirty One Thousand Ninety Seven and 51/100 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	$31,097.51
Amount reimbursed	29,976.23
Balance due Operator	$ 1,121.28

George Mavor
George Mavor
Auditor

March 20, 1958

400

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have examined the Monthly Reports of:

John J. Thrasher, Helen C. Thrasher,
and Robert E. Taafe
Gerlach, Nevada

WSM

pertaining to Exploration Project Contract No. Idm-E979, Docket No. DMEA-4240, including Amendment No. 1, for the months of August, September and October 1956, covering a project for the exploration of tungsten, on property known as the Thrasher Mine, located in Pershing County, Nevada.

My review included an examination of the Monthly Reports (Forms MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, consultation with Executive Officer in charge of the project, 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 following reason:

> All of the costs incurred were under a contract provision for payment by the Government on the basis of fixed unit costs of units of work actually performed.

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

Total cost as billed by the contractor	$22,953.50
Exceptions	None
Total Accepted Cost	$22,953.50

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 Seventeen Thousand Two Hundred Fifteen and 12/100 Dollars:

** $17,215.12 **

is considered valid and proper, provided 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.

George Mayer

December 4, 1956

George Mayer
Auditor

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ASSIGNMENT OF CONTRACT

WHEREAS, ROBERT E. TAAFFE, JOHN J. THRASHER and HELEN C. THRASHER, a partnership (hereinafter called the "Assignor"), entered into Exploration Project Contract No. IDM-E979 (Docket No. DMEA-4240), dated July 23, 1956, and Amendment No. 1 thereto dated September 13, 1956, and Amendment No. 2 thereto dated February 4, 1957 (hereinafter called the "Contract"); and

WHEREAS, Cordero Mining Company, a corporation, (hereinafter called the "Assignee") has acquired the right of possession to the land which is the subject of the Contract, and the Assignee desires to perform the work under the Contract;

NOW, THEREFORE, the Assignor, subject to acceptance by the Assignee and the consent of the Government, in consideration of the sum of One Dollar ($1) and other good and valuable consideration received from the Assignee, does hereby assign, transfer, and convey to the Assignee all Assignor's right, title and interest in the Contract.

The Assignor consents to all future amendments and assignments of the Contract and waives notice thereof, and hereby releases the Government from any and all claims arising out of the Contract.

Dated: February 14, 1957.

Subscribed and sworn to before me this 14th day of February, 1957

Mary McKinnon
Notary Public in and for the County of Washoe, State of Nevada.

Robert E. Taaffe
ROBERT E. TAAFFE

ESTATE OF JOHN J. THRASHER, DECEASED

By Helen C. Thrasher Executrix
Helen C. Thrasher, Executrix

Helen C. Thrasher
HELEN C. THRASHER

ASSIGNEE'S ACCEPTANCE

The Assignee, Cordero Mining Company, a corporation, hereby accepts the above assignment and agrees to be bound by the

terms, provisions and conditions of the Contract.

Dated: February _____, 1957.

CORDERO MINING COMPANY

By _____
Vice-President

ATTEST:

E A Williston
Assistant Secretary

I, E. A. Williston, certify that I am the Assistant Secretary of the corporation named herein; that S. H. Williston, who signed this instrument on behalf of the corporation, was then Vice-President of said corporation; that said instrument 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.

E A Williston
E. A. WILLISTON
Assistant Secretary

(SEAL)

GOVERNMENT'S CONSENT

The government, this 15th day of March, 1957, hereby consents to the above Assignment without releasing the Assignor, Robert E. Taaffe, Estate of John J. Thrasher, Deceased, and Helen C. Thrasher, from any of the terms, provisions and conditions of the Contract.

THE UNITED STATES OF AMERICA

By C O Mitkendorf
Administrator, Defense Minerals
Exploration Administration

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DATE | INITIALS | CODE

Government's copy

EXPLORATION PROJECT CONTRACT
CORDERO MINING COMPANY, ASSIGNEE
DOCKET NO DMEA-4240

AMENDMENT NO. 4

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, and Cordero Mining Company, Assignee, that Exploration Project Contract No. Idm-E 979 (Docket No. DMEA-4240), dated July 23, 1956, as amended, is further amended as follows:

In Exhibit "A," as modified by Amendment No. 3, the following changes are made:

Under Description of the Work, Stage III, Phase 1 is changed to read:

Bulldoze, and blast where necessary, approximately 3,000 feet of access road and drill site. All bulldozer work shall be with a D6, or equivalent of another make.

Under Estimated Cost of the Project, Fixed Unit Costs, Stage III, Phase 1 is changed to read:

Bulldoze access roads and drill sites 132 hours at $13.50/hr.	$1,782.00	
Drill and blast access roads 1/	1,320.34	
Moving D6 to and from property 1/	200.00	$ 3,302.34
Estimated total cost of Stage III is changed to read:		$20,347.84

This amendment shall not be construed to increase the total estimated cost of the project or the aggregate amount which the Government may be required to contribute.

THE UNITED STATES OF AMERICA

By _____
S. Ricker, Executive Officer
DMEA Field Team, Region II

CORDERO MINING CO.,
ASSIGNEE

By _____

Title _____

AMENDMENT NO. 4

Docket No. DMEA-4240 Mineral Tungsten

Exploration Project Contract Idm-E 979

Date of Contract July 23, 1956

Date of Amendment March 10, 1958

Operator Cordero Mining Company, Assignee, Thrasher Mine

JUSTIFICATION

For the type of work involved, the D6 bulldozer was equivalent and more suitable than a D8 and the cost of drilling and blasting was minimized. The rental rate of a D8 bulldozer ranges from $16.00 to $18.00 per hour and that of a D6, from $13.50 to $14.00 per hour. In addition, a D6 was the only type immediately available.

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S. Ricker, Executive Officer
DMEA Field Team, Region III

Government copy

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DMEA
RECEIVED JUL 29 1957

DATE	INITIALS	CODE
7/29	WSM	400

EXPLORATION PROJECT CONTRACT
CORDERO MINING COMPANY, ASSIGNEE
DOCKET NO. DMEA-4240

AMENDMENT NO. 3

It is agreed this 12th day of July, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Cordero Mining Company, Assignee, that Exploration Project Contract No. Idm-E979 (Docket No. DMEA-4240), dated July 23, 1956, as amended, is further amended as follows:

In Exhibit A, as modified by Amendment No. 2, the following changes are made:

1. Under Description of the Work, Stage III is deleted and there is substituted the following work as indicated on the attached map, Fig. 8:

Stage III

Phase 1

Bulldoze, and blast where necessary, approximately 3,000 feet of access road and drill sites. All bulldozer work shall be with a D8 or equivalent unit of another make.

Phase 2

Diamond drill 7 holes, numbers 1 through 7 (AX minimum size), with dips of about 45 degrees easterly, to lengths of about 100 to 175 feet to intersect the limestone-granite contact.

Phase 3

In the mineralized zones indicated by the drilling performed in Phase II, diamond drill approximately 13 intermediate holes, at intervals of not less than 100 feet, with easterly dips to cut contact at approximately the depth as shown by the holes in Phase 2. Holes to be approximately 100 to 175 feet in depth. The total diamond drilling in this stage shall not exceed 2,607 feet. Mineralized zones shall be sampled and assayed for WO_3.

Long
Langer
"Appd. Sol. Off."
Chapman
Mynting
Chambers
Selfridge
Johnson

2. Under Estimated Cost of the Project, Fixed Unit Costs, all costs under Stage III are deleted and the following costs are substituted:

Stage III

Phase 1

Bulldoze access roads and drill sites, 150 hours @ $14.00/hr.	$ 2,100.00	
Drill and blast access roads 1/	1,504.50	$ 3,604.50

Phase 2

Diamond drill 910 feet @ $6.50/ft.		5,915.00

Phase 3

Diamond drill 1,697 feet @ $6.50/ft.	11,030.50	
Assay 25 samples for tungsten @ $4.00/each sample	100.00	11,130.50
Estimated Total Cost of Stage III		$20,650.00

1/ The completed work constitutes the unit.

* * * * * * * * * *

This amendment shall not be construed to increase the total estimated cost of the project, the aggregate amount which the Government may be required to contribute, or 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 C. Mittendorf
Administrator, Defense Minerals
Exploration Administration

CORDERO MINING COMPANY, ASSIGNEE

By [illegible]

Title V-P [illegible]

PROPOSED DIAMOND DRILLING

THRASHER PROPERTY
CORDERO MINING COMPANY

PERSHING COUNTY, NEVADA

Scale: 1 in = 100 ft.
0 50' 100' 200'

May 20, 1957

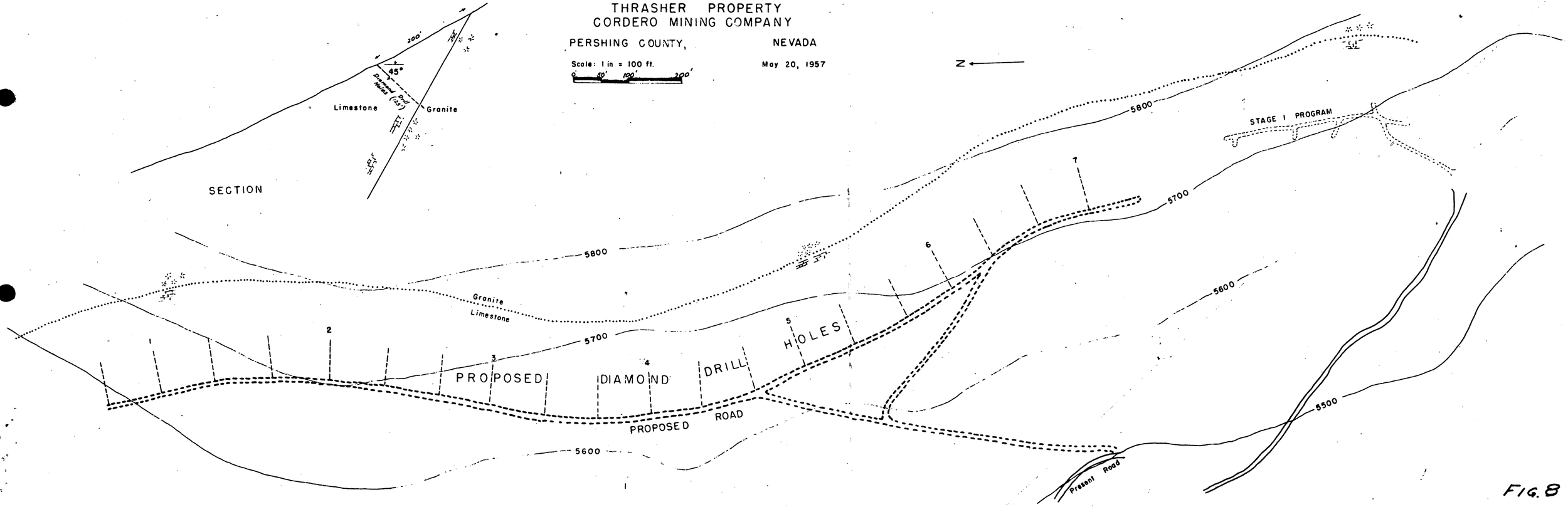

FIG. 8

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DATE	INITIALS	CODE
7/29	WSM	400

Docket Copy

EXPLORATION PROJECT CONTRACT
JOHN J. THRASHER, HELEN C. THRASHER, and ROBERT E. TAAFFE
DOCKET NO. DMEA-4240

Amendment No. 2

It is agreed this 4th day of February, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and John J. Thrasher, Helen C. Thrasher, and Robert E. Taaffe, that Exploration Project Contract No. Idm-E979 (Docket No. DMEA-4240), dated July 23, 1956, as amended, is further amended, as follows:

1. In Article 1(a) of the Contract, the completion date of the Contract is extended to January 23, 1958.

2. In Article 1(b) of the Contract, the amounts "$57,253.80" and "$42,940.35" are substituted for the figures "$24,120.00" and "$18,090.00," respectively.

3. In Article 2 of the Contract, the following unpatented lode mining claims, situated in Pershing County, Nevada, are owned by the Operator and are added to Annex No. 1 of the Contract.

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Name	Book No.	Page No.
Extension	10	155
Extension No. 1	10	156
Extension No. 2	10	156
Extension No. 3	10	430
Extension No. 4	15	241
Extension No. 5	1	97
Stormy Day Fraction No. 3	10	92
Stormy Day Fraction No. 4	10	93

Notices of Location of the above mining claims to which reference is hereby made for a more complete description are recorded in the official records of Pershing County, Nevada. The general location of all the mining claims described in the Contract is shown on the attached map, entitled "Southern Portion of Mining Claims Owned by J. J. Thrasher . . . . Pershing County, Nevada."

4. In Article 6(b) of the Contract, the maximum period for royalty payments and liens to secure them is extended to "eleven (11) years from the date of the contract."

5. The work performed under the Contract prior to the date of this Amendment No. 2 is designated Stage I. Additional project work is set forth below as Stages II and III, and is outlined on the attached map Figure 6 entitled "Thrasher Mine, Pershing County, Nevada." The Operator shall perform as much of the additional work as is approved by the Government.

EXHIBIT A

Description of the Work

Stage II

Bulldoze approximately 2,500 feet of access road and diamond drill sites, with a D-8 bulldozer or equivalent, estimated to require 225 hours of bulldozing.

Diamond drill 8 diamond drill holes at or near the sites indicated on Figure 6, and on the courses and in the directions indicated on Figure 6. Each hole shall be not less than AX in size. It is estimated that each hole will be approximately 200 feet in depth, and the total drilling shall not exceed 1,600 feet. The drill holes shall be cemented and redrilled, and reamed and cased, as necessary.

Assay 25 samples for WO_3 from mineralized zones.

Stage III

Crosscut and drift 600 feet, 5 feet by 7 feet in the clear, and timber as necessary. It is estimated that 150 feet of timbering will be required.

Assay 25 samples for WO_3 for mineralized zones.

Estimated Cost of the Project

Fixed Unit Costs

Cost of Stage I			$22,953.80
Stage II			
Bulldoze 225 hours	@ $14.00/hr.	$ 3,150.00	
Diamond drill 1,600 feet (The unit price includes the cost of any cementing and redrilling and reaming and casing that are necessary.)	@ $6.50/ft.	10,400.00	
Assay 25 samples for WO_3 @ $4.00 each sample		100.00	
Estimated Total for Stage II			13,650.00
Stage III			
Crosscut and drift 600 feet	@ $32.50/ft.	$19,500.00	
Timber 150 feet	@ $7.00/ft.	1,050.00	

Phelps Dodge
Appr. Sol. Off.
Chapman
Martin
Talbert
Selbridge
Johnson

Assay 25 samples for WO_3 @ $4.00 each sample	$ 100.00
Estimated Total for Stage III	$20,650.00
Estimated Total Cost of the Project	$57,253.80
Government Participation @ 75%	$42,940.35

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C D Mitchenson
Administrator, Defense Minerals
Exploration Administration

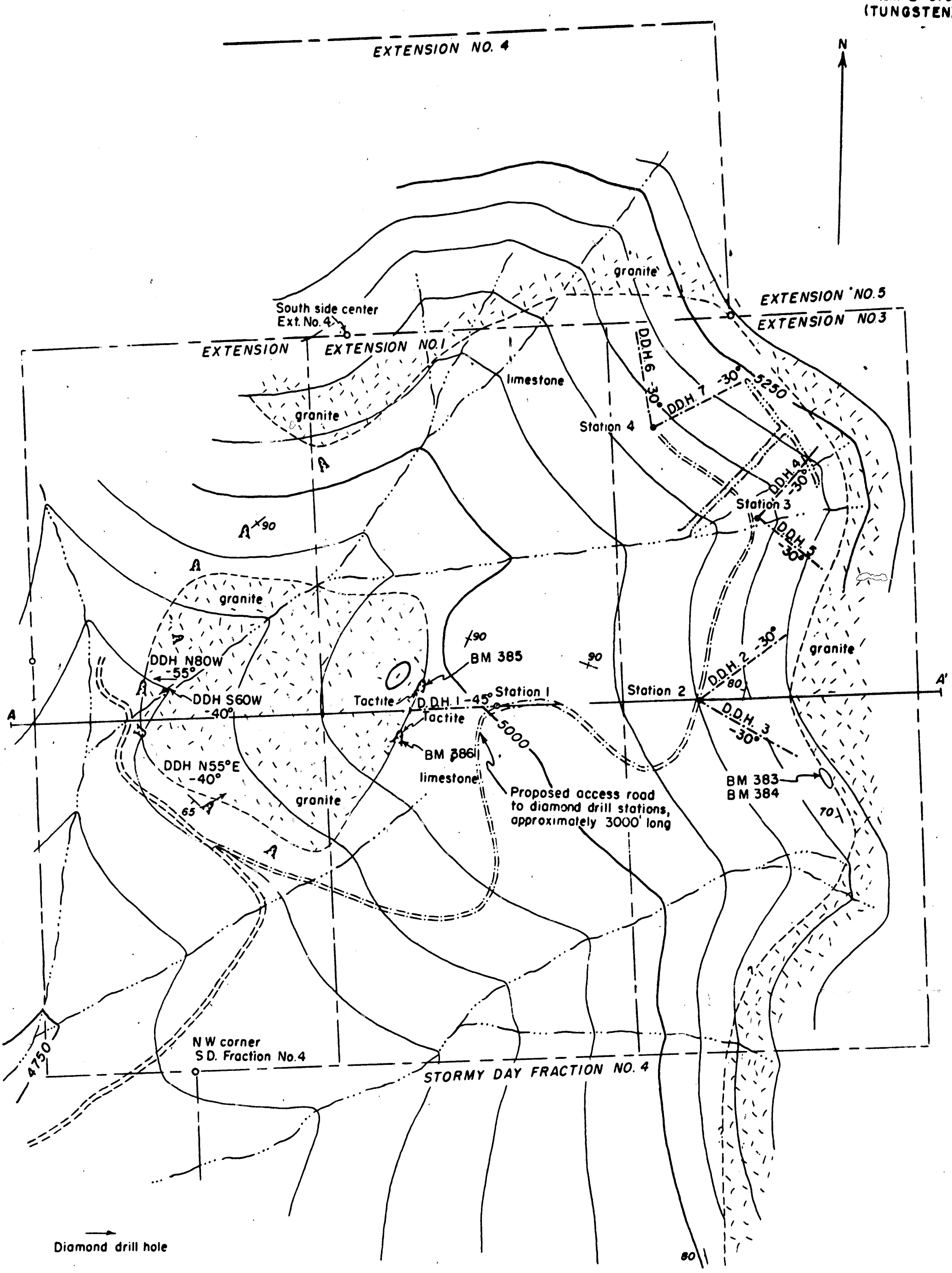
John J Thrasher
John J. Thrasher (partner)

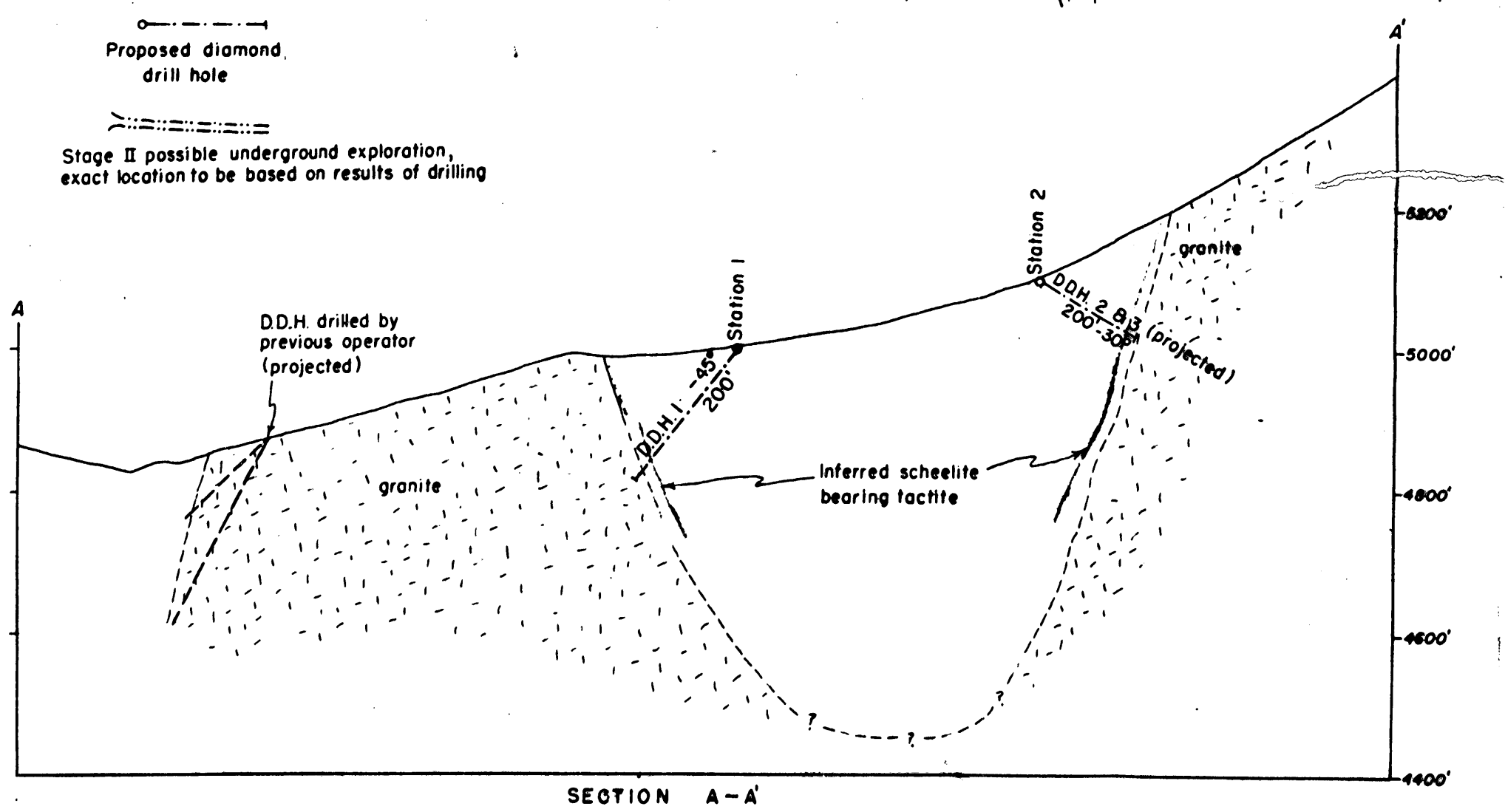
Helen C Thrasher
Helen C. Thrasher (partner)

Robert E Taaffe
Robert E. Taaffe (partner)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
Idm E-979
(TUNGSTEN)





SECTION A–A'

THRASHER MINE, PERSHING COUNTY, NEVADA

0 200 400 600 FEET

Figure 6

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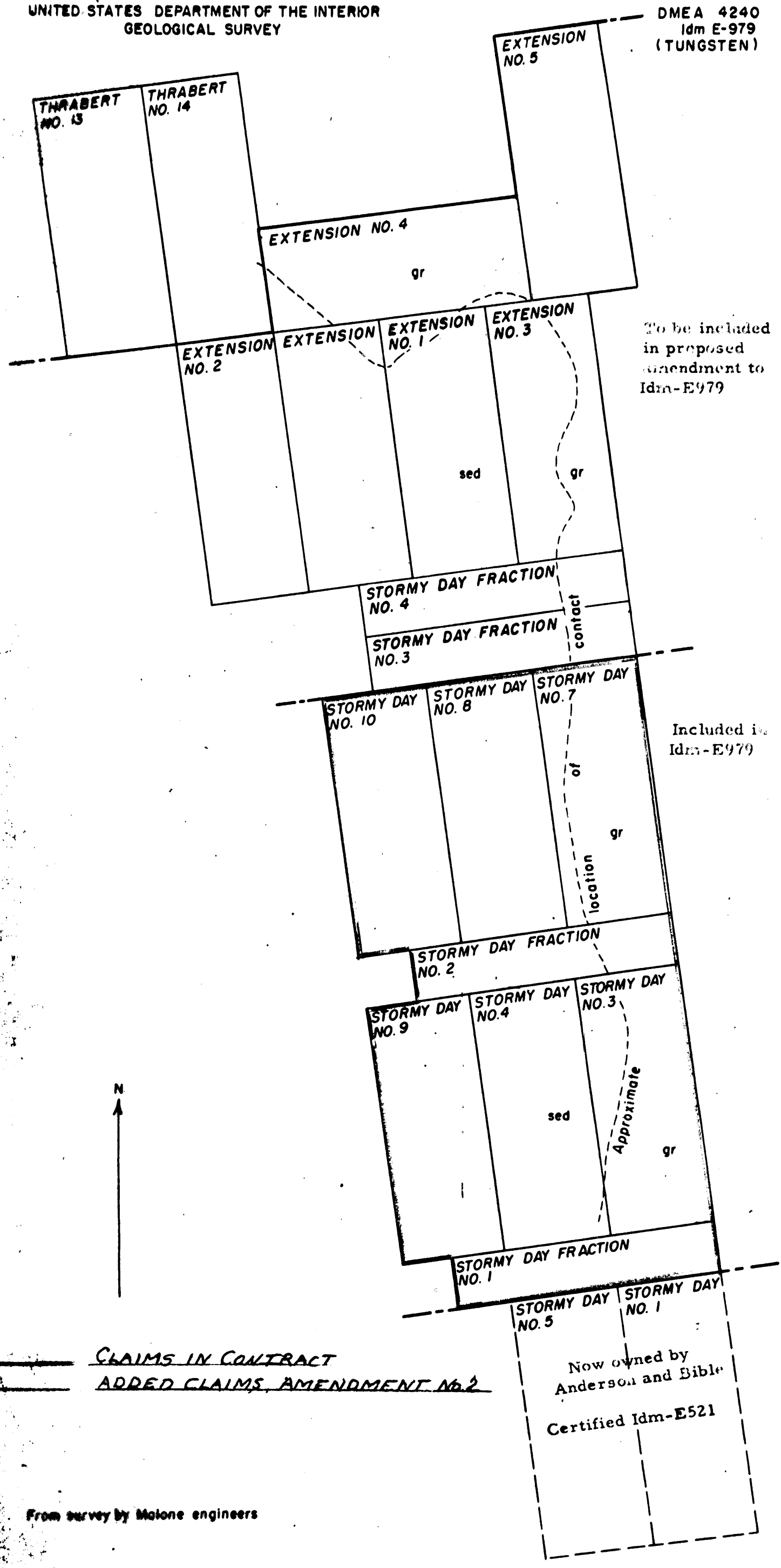
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
Idm E-979
(TUNGSTEN)



To be included in proposed amendment to Idm-E979

Included in Idm-E979

From survey by Malone engineers

Figure 1 SOUTHERN PORTION OF MINING CLAIMS OWNED BY J. J. THRASHER AND R. E. TAAFFE PERSHING COUNTY, NEVADA

0 600 1200 1800 FEET

FIG. 7

"DOCKET COPY"

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OCT 29 1956

AMENDMENT NO. 1
to
CONTRACT NO. [illegible]
DATED JUNE 23, 1956
DOCKET NO. DPA-4240
between
THE UNITED STATES OF AMERICA
and
JOHN J. THRASHER, HELEN C. THRASHER, AND ROBERT E. TARFFE

It is agreed this 15th day of September, 1956 that the contract be amended as follows:

(1) Exhibit "A" - Description of work (4th line) "driving approximately 650 feet of adit drift" should read "driving and/or crosscutting 650 feet of adit drift".

(2) Exhibit "A" - Fixed unit costs (2nd line) "Drifting 650 feet @ $32.50/ft." should read "Drifting and/or crosscutting 650 feet @ $32.50/ft."

This amendment shall not be construed to increase the estimated cost of the project, the aggregate total amount which the Government may be required to contribute, nor the agreed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By [signature]
W. Meeker
Executive Officer
DPA Field Team, Region XI

[signature] (Partner)
John J. Thrasher

[signature] (Partner)
Helen C. Thrasher

[signature] (Partner)
Robert E. Tarffe

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OCT 29 1956

AMENDMENT NO. 1

Docket No. [illegible] Mineral Tungsten

Exploration Project Contract [illegible]

Date of Contract July 23, 1956

Date of Amendment September 15, 1956

Operator John J. Thrasher, Nelon C. Thrasher, and Robert E. Fretto

JUSTIFICATION

Crosscutting at intervals off the drift has been necessary to maintain contact with the ore zone which is at places not on the contact. The contact is however the logical place to drive the drift in order to avoid making too many irregular turns.

S. Ricker, Executive Officer
DMEA Field Team, Region III

Docket C

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MF-200A
(Rev. April 1956)

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT
(Short Form)

DMEA No.	*Commodity*	*Contract No. Idm–E*	*County*	*State*
4240	Tungsten	979	Pershing	Nevada

It is agreed JUL 2 3 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and John J. Thrasher, Helen C. Thrasher, and Robert E. Taaffe

whose mailing address is Gerlach, Nevada

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF–200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before September 1-1956, and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 12 months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $24,120.00. The Government will contribute 75 percent of the fixed unit cost of the work performed, not exceeding $18,090.00, in accordance with the provisions of Articles 4 and 5.

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

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: None

(b) 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 of the land (lessor, seller, optionor, etc.) are attached, as follows:

(c) 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. 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. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(b) *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 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 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of 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. 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 all pertinent books, documents, papers, and records of the Operator.

(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 a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit 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 the unit costs thereof.

(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 6. *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 the Operator has rendered a sufficient final report (see Article 5), 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 (for example, if the Operator either transfers or fails to retain his interest in the land), 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, for 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, 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, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(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 thereof in the form in which and at the time 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 7. *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 the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further 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 the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and 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 Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *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 the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *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 10. *Changes and added provisions.*—

.....

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Executed in sextuplicate the day and year first above written.

Holt
Selfridge

THE UNITED STATES OF AMERICA

By John J. Thrasher (Partner)
John J. Thrasher

By Helen C. Thrasher (Partner)
Helen C. Thrasher

By Robert E. Taffe (Partner)
Robert E. Taffe

By Frank E. Johnson
ACTING Administrator, Defense Minerals Exploration Administration

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: 1956—O-383069

Indentz 7/17/56
Lawyer
"Appd. Sol. Off."
Chapman
Holt
Talbot
Martin

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EXPLORATION PROJECT CONTRACT
JOHN J. THRASHER, ET AL.
DOCKET NO. DMSA-4240

ANNEX I

The land referred to in Article 2 of the Contract is owned by John C. Thrasher, Helen C Thrasher, and Robert E. Taaffe, and consists of 8 unpatented lode mining claims located in unsurveyed T. 30 N., R. 24 E., (projected), M. D. B. and M., Hooker Mining District, Pershing County, Nevada. The notices of location of the claims are recorded in the official records in the Pershing County Courthouse at Lovelock, Nevada, as follows:

Claim Name	Book No.	Page No.
Stormy Day Fraction 1	15	238
Stormy Day Fraction 2	15	238
Stormy Day No. 3	10	92
Stormy Day No. 4	10	93
Stormy Day No. 7	10	129
Stormy Day No. 8	10	130
Stormy Day No. 9	10	131
Stormy Day No. 10	10	131

The general location of the land is shown on Figure 1, entitled "Location Map, Thrasher Property, Pershing County, Nevada," and the claims are sketched on Figure 2, entitled "Thrasher Mine Property Map, Pershing County, Nevada," both of which are attached hereto and made a part hereof.

EXPLORATION PROJECT CONTRACT
JOHN J. THRASHER, ET AL.
DOCKET NO. DMEA-4240

EXHIBIT "A"

Description of the Work

The proposed work is shown on Figure 3 entitled "Thrasher Mine, Pershing County, Nevada," attached hereto and made a part hereof, and shall consist of bulldozing an access road approximately 1200 feet long, preparing an adit portal, driving approximately 650 feet of adit drift, and assaying not more than 75 samples for tungsten trioxide (WO_3). The adit drift shall be commenced at or near the point marked "Adit Portal" on Figure 3, and driven in a northeasterly direction, along or near the contact between schist and/or limestone and granite. The adit drift shall be timbered as necessary and shall be not less than 5 feet by 7 feet in cross section in the clear of timber.

Estimated Costs of the Project

Fixed Unit Costs

Bulldozing 110 hours 1/	@ $14.00/hr.	$ 1,540.00	
Drifting 650 feet	@ $32.50/ft.	21,125.00	
Timbering drift, 165 feet	@ $7.00/ft.	1,155.00	
Assaying, 75 samples for WO_3	@ $4.00/sample	300.00	
Estimated Total Cost of the Project			$24,120.00
Government Participation @ 75%			$18,090.00

1/ Bulldozing shall be done with a bulldozer not smaller in size than an RD 8, or equivalent.

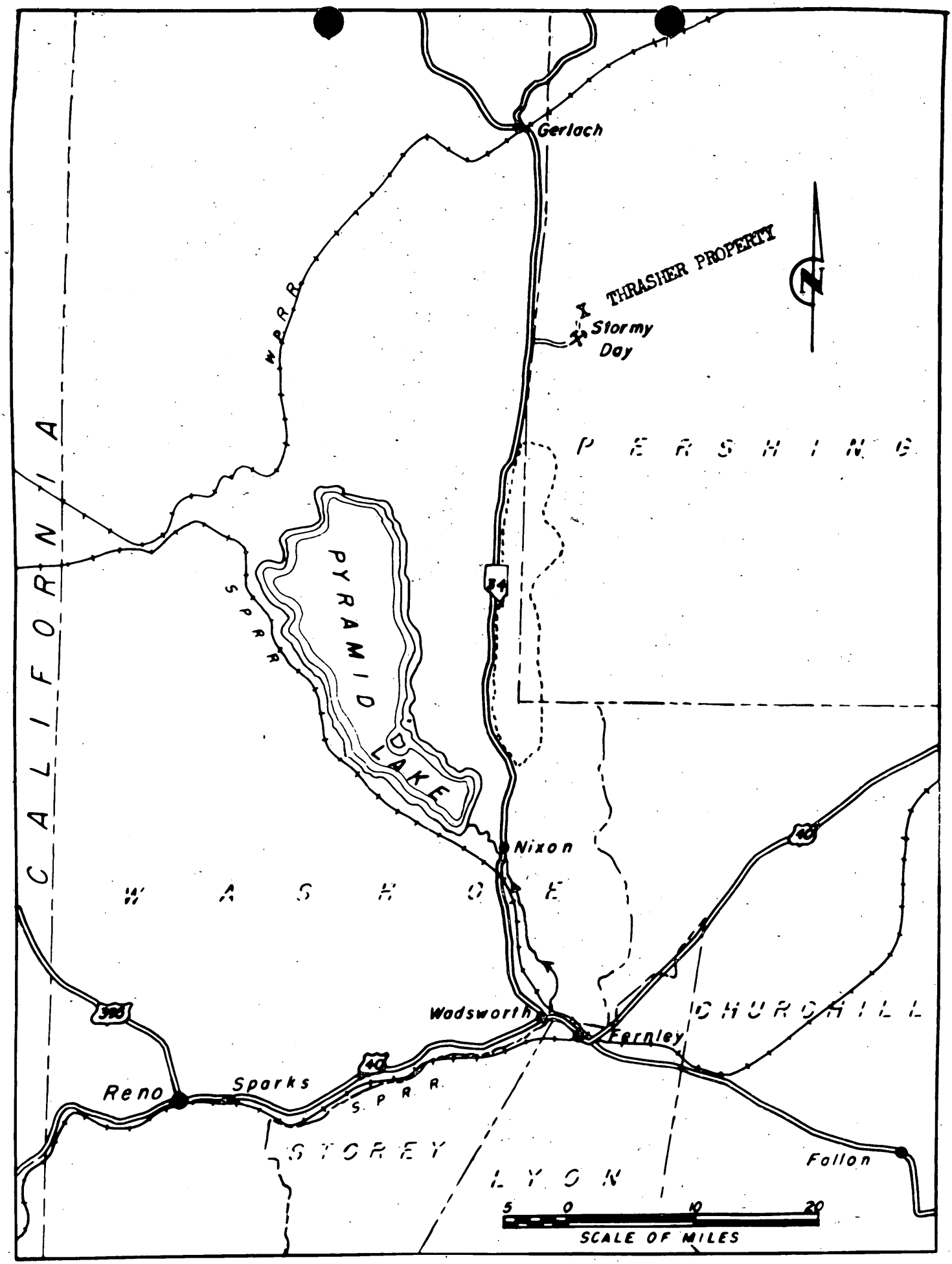
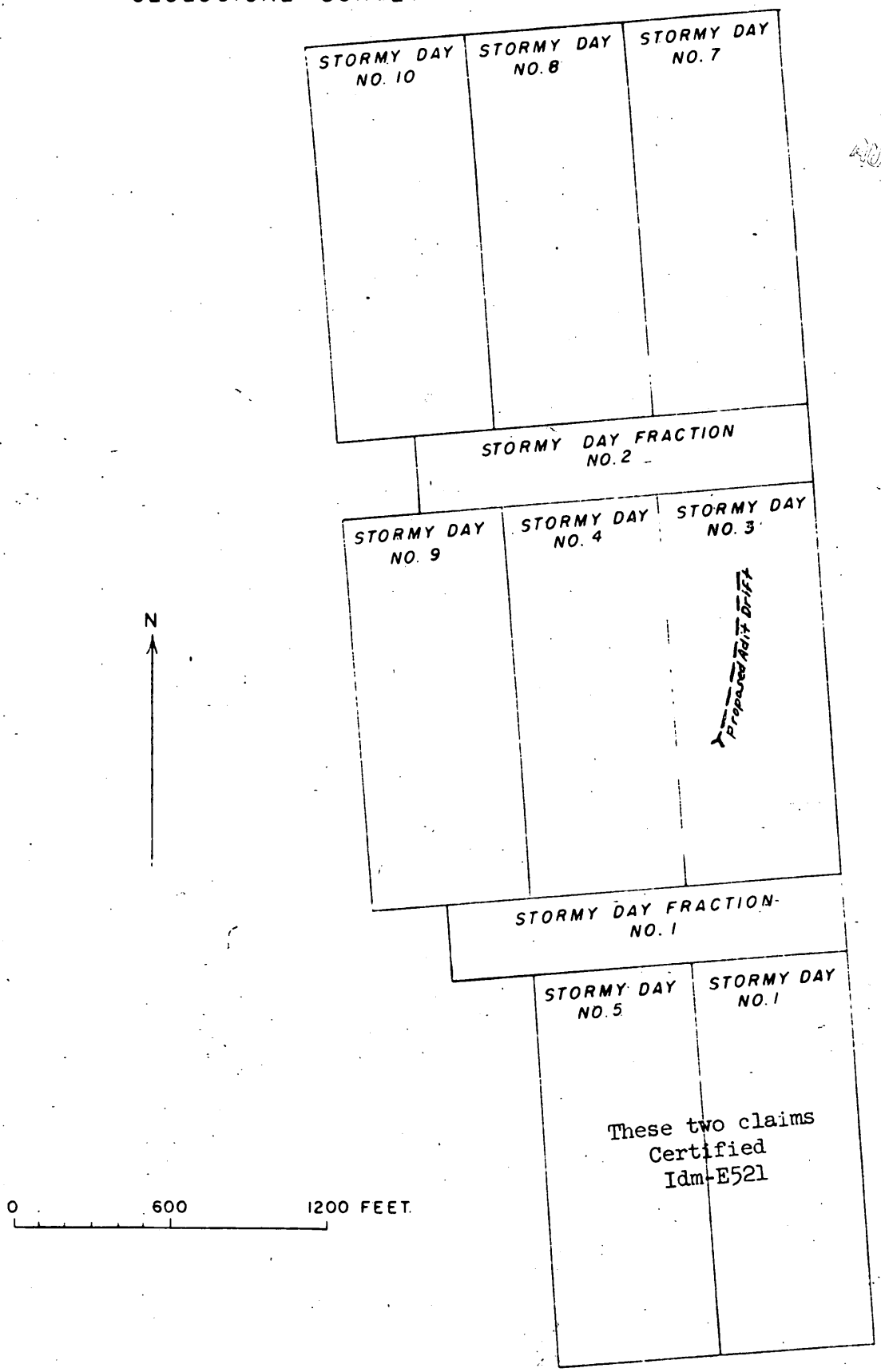


FIG. 1 LOCATION MAP, THRASHER PROPERTY, PERSHING COUNTY, NEVADA

DMEA - 4240

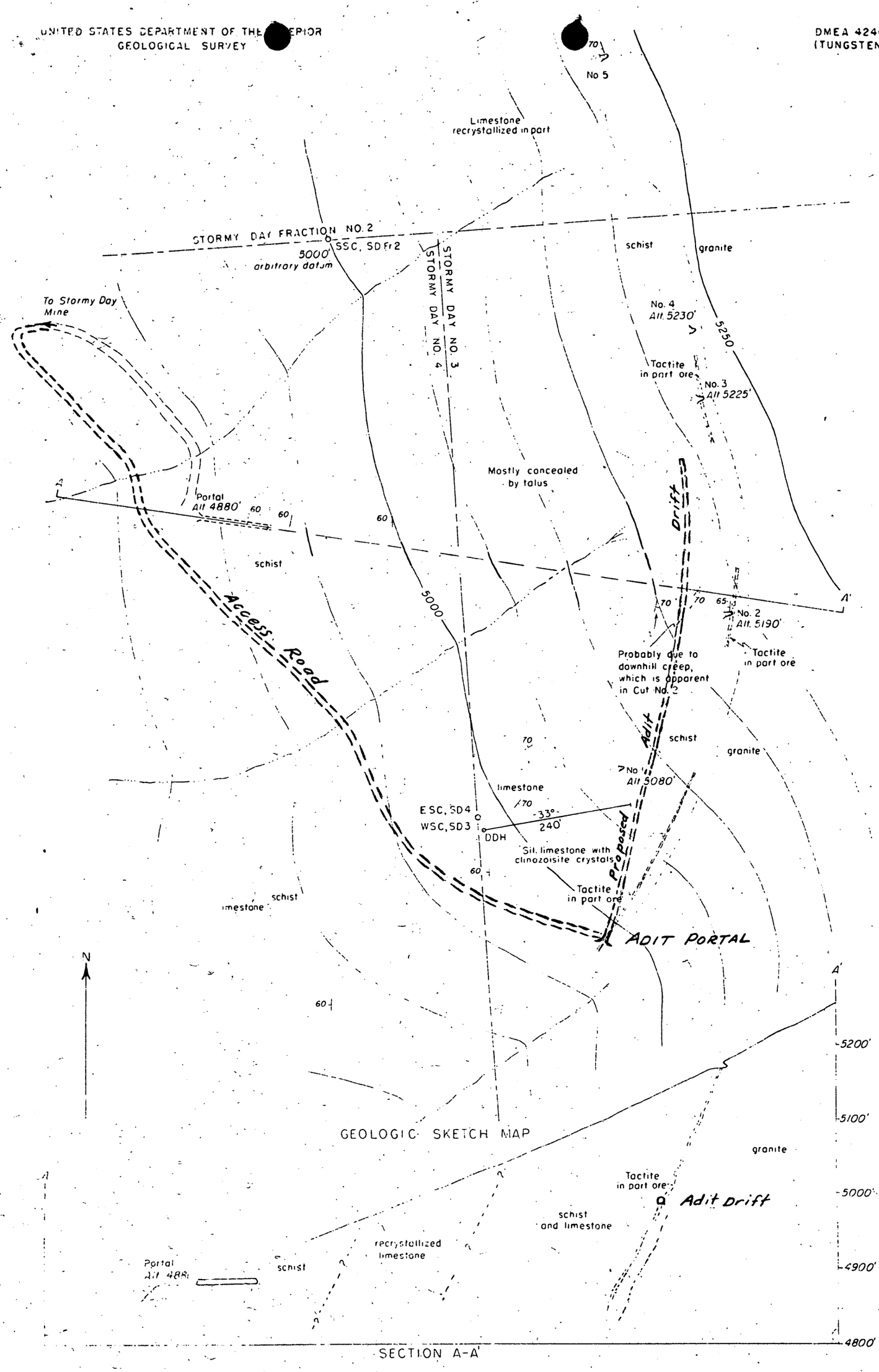
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
(TUNGSTEN)



THRASHER MINE PROPERTY MAP
PERSHING COUNTY, NEVADA

Figure 2



THRASHER MINE, PERSHING COUNTY, NEVADA

0 100 200 300 Feet

Contour interval 50 feet

Figure 3

EXTRA COPY
D M E A
RECEIVED FEB-20 1957

DATE	INITIALS	CODE

LEASE AND OPTION

THIS LEASE made this 25th day of January, 1957, by and between HELEN G. TRAMMEL, a widow, and ROBERT E. YARTZ, of Gerlach, Nevada, Lessors, and COMMAND MINING COMPANY, a corporation, Lessee;

W I T N E S S E T H:

That Lessors, for and in consideration of the rents, covenants, agreements, payments and royalties hereinafter reserved and by Lessee to be paid, kept and performed, have granted, let and demised, and by these presents do grant, let and demise unto Lessee, for a term of thirty-five (35) years from date hereof, subject to the provisions for termination hereinafter contained, and Lessee does hereby take the following demised premises:

Those certain lode mining claims and lode claim fractions situated in Pershing County, Nevada, Lessors being the owners of and in possession of said unpatented claims and fractions under the mining laws of the State of Nevada and the United States, described as follows:

NAME	RECORDED IN MINING RECORDS OF PERSHING COUNTY, NEVADA, AS FOLLOWS:	
Forty Day #3	Book #10	Page 92
Forty Day #4	Book #10	Page 93
Forty Day #7	Book #10	Page 129
Forty Day #8	Book #10	Page 130
Forty Day #9	Book #10	Page 131
Forty Day #10	Book #10	Page 131
Forty Day Fraction #1	Book #15	Page 238
Forty Day Fraction #2	Book #15	Page 239
Forty Day Fraction #3	Book #15	Page 240

NAME	RECORDED IN MINING RECORDS OF PERSHING COUNTY, NEVADA AS FOLLOWS:		
Stormy Day Fraction #4	Book #15	Page 241	
Extension	Book #18	Page 153	
Extension #2	Book #18	Page 154	
Extension #1	Book #18	Page 156	
Extension #3	Book #18	Page 430	
Extension #4	Book #15	Page 241	
Extension #5	Book #1	Page 97	Official Recds.
Thrabert #1	Book #13	Page 297	
Thrabert #2	Book #13	Page 297	
Thrabert #3	Book #13	Page 298	
Thrabert #4	Book #13	Page 299	
Thrabert #5	Book #13	Page 300	
Thrabert #6	Book #13	Page 300	
Thrabert #7	Book #13	Page 419	
Thrabert #8	Book #13	Page 420	
Thrabert #9	Book #13	Page 421	
Thrabert #10	Book #13	Page 421	
Thrabert #11	Book #13	Page 422	
Thrabert #12	Book #13	Page 423	
Thrabert #13	Book #13	Page 424	
Thrabert #14	Book #13	Page 425	
Thrabert #15	Book #15	Page 307	
Thrabert #16	Book #15	Page 308	
Thrabert #17	Book #15	Page 308	
North End #1	Book #13	Page 425	
North End #2	Book #13	Page 426	
North End #3	Book #15	Page 242	

TOGETHER WITH the appurtenances thereunto in any way appertaining.

TO HAVE AND TO HOLD the leased and demised premises for the purpose of mining until this Lease is terminated, as hereinafter provided.

IN CONSIDERATION OF THIS LEASE, Lessee hereby covenants and agrees with Lessors as follows:

1. To pay to Lessors the sum of Two Thousand Dollars ($2,000) upon the execution of this Lease and Option, the receipt whereof hereby is acknowledged by Lessors; the sum of

Three Hundred Fifty Dollars ($350) monthly minimum royalty, commencing on March 1, 1957 and continuing for a period of two (2) years; the sum of Seven Hundred Dollars ($700) monthly minimum royalty for the third year; and the sum of One Thousand Five Hundred Dollars ($1,500) monthly minimum royalty thereafter for the term of this Lease.

2. To pay to Lessors a production royalty of seven and one-half per cent (7½%) of the gross selling price of the concentrates and ores, against which will be credited on a monthly basis the minimum royalties payable as provided in Paragraph 1 above. "Gross selling price", as herein used, as applied to the sales of concentrates, shall be defined as the gross return to Lessee from the sale of concentrates after deduction of costs incident to the sale and delivery thereof but without deduction for mining, milling or transportation of the ore. "Gross selling price", as herein used, as applied to sales of ores, shall be defined as the gross return to Lessee from the sale of ores without deduction for mining and transportation charges from the mine.

3. It is understood that the payments provided for in Paragraph 1 hereof (except the initial payment of $2,000) shall be for advance royalties, and Lessee may take credit for such sums so paid in computing the 7½% production royalty; provided, however, that in any event, the minimum royalties hereinabove stated shall be paid on a monthly basis. Lessors, at their option, shall have the right to

take, in lieu of cash payment of royalties, 7½% of the concentrates at the mill.

4. Lessors hereby consent that Lessee may negotiate for D.M.E.A. loans, and may agree to have impressed upon the mining property covered by this Lease any required liens to secure the repayment of any sums obtained under such contract with D.M.E.A. Without limitation, Lessee shall have the right to contract for all further work upon all the mining property covered by this Lease, or any part thereof, as in the judgment of Lessee seems warranted during the term of this Lease.

5. Lessee agrees to spend the sum of not less than Twenty-Five Thousand Dollars ($25,000) of its own funds during the first two years of this Lease upon said mining property. The manner in which Lessee spends such sum is to be left entirely to the judgment of Lessee.

6. Lessee will do all the annual assessment work on the entire group of claims hereinabove described, but reserves the right to relocate the present claims if it seems desirable to Lessee, provided that such relocation shall be made in the names of Lessors; and Lessee reserves the right to quitclaim back to Lessors any claims which in Lessee's opinion are of no value. It is further agreed that the return of claims to Lessors will not in any wise affect the total purchase price set forth hereinafter under the option provisions of this Lease.

7. Lessee, at any time, at its option, may abandon and terminate this Agreement on thirty (30) days' notice to Lessors, in which event it will quitclaim to Lessors all its right, title and interest in and to any of the claims held by Lessee under the agreement, and will restore possession of the claims to Lessors with the workings thereon in good condition, and will leave all underground timber, rails and ties in place. Nothing in his paragraph nor in this agreement shall be construed during the time that Lessee has possession of said mining premises under the terms of this agreement to prevent Lessee from moving from place to place upon said mining premises rails, ties and other property, without limitation, to facilitate the operation of said mining premises in accordance with the judgment of Lessee. Lessee shall have the right within ninety (90) days from the termination of this agreement, as provided for in this paragraph, to remove all mills, machinery, equipment, tools and property of all kind and character belonging to Lessee, save and except those items in this paragraph hereinabove specified. Upon the effective date of such termination, Lessee will have no further obligation under this agreement except the payment of royalties which have theretofore fallen due under this agreement as of the date of its termination.

8. Lessee will keep the property free and clear from liens of laborers, materialmen and others, save and except as permitted under D.M.E.A. contracts, as hereinbefore provided, and will permit Lessors to post and maintain notices

of non-responsibility, and at all times during the term of this agreement, shall fully comply with the provisions of the Workmen's Compensation Act of the State of Nevada and with all the mining laws of Nevada and of the Federal Government.

9. In the event of abandonment of the agreement and the premises by Lessee, all payments theretofore made by Lessee to Lessors shall be retained by Lessors, and said payments shall remain the property of Lessors, and Lessee waives all claim thereto.

10. Lessors hereby retain an economic interest in all products of the premises resulting from the operation of the mining property by Lessee during the full term of this agreement.

11. Any work done by Lessee under the terms of this Lease shall be done in a good and miner-like fashion.

12. The percentage of royalties shall apply against all ores produced from the mining property of whatever kind or character.

13. Lessors shall have the right at all times during the term of this Lease to examine and inspect the premises and shall have access to all diamond drill logs, maps, underground workings, and all other operations on the property. In the event Lessee shall elect to terminate this agreement, Lessee shall deliver to Lessors all geographical

data, diamond drill logs, copies of assay receipts and all technological analyses of the ore relating to the herein described mining property then in the possession of Lessee.

14. This agreement shall not be assignable without the written consent of Lessors; provided, however, that Lessors agree that they will not unreasonably withhold said consent to the assignment of this contract to a responsible assignee and that such assignment can be so made without penalty.

15. This agreement shall not pass or be assigned by bankruptcy, voluntary or involuntary, or by any operation of law, and should such event occur, Lessors may, at their option, forthwith terminate this Lease.

16. Lessee shall assume all responsibility for and save Lessors harmless from all injury to any person or to property in and upon the premises.

17. Lessors may terminate this agreement and repossess the property upon the failure of Lessee to comply with the provisions of this agreement; provided that in the event of default on the part of Lessee, a notice of default shall be given in writing to Lessee, which notice of default shall state specifically the nature and amount of such default, and if such default is based upon the failure to pay money under the terms of this agreement, the said notice shall state the specific sum payable and due, if ascertainable, and shall give Lessee thirty (30) days from receipt thereof by the agent designated hereinafter within which to correct

the default before a termination or forfeiture may be granted. If said default is not corrected within thirty (30) days, the agreement may be declared forfeited at the option of Lessors.

18. Upon termination of this lease, all unmilled ores, stockpiled ores, dumps, tailings and other materials then on the above described property shall become the property of Lessors, save and except that Lessee shall have the right to remove its own property as provided for in Paragraph 7 above. If, at the termination of the agreement, there remain ores stockpiled off the above described property upon which royalties have not been paid to Lessors, then, in that event, each of the parties to this agreement shall retain their respective ownership interests in such ores.

19. All cash or royalty payments shall not be reduced by any withholding for taxes or other charges, or credited against any other sums whatsoever, save and except as hereinabove provided. All taxes, real and personal, license fees, assessments, excise taxes levied against said premises, any tax on improvements or requipment which may or might be performed on said premises, whether federal, state, county, municipal or district, shall be promptly paid when due by Lessee. It is, however, understood and agreed that Lessee and Lessors, respectively, will not be responsible for the payment by the other of any net proceeds of mines tax assessed against the other as a result of production from the mine.

20. Lessors hereby warrant and agree to defend the claims described in this agreement, and agree that Lessee, at Lessee's option, may purchase or discharge any tax, mortgage or other lien upon said land and thereupon be subrogated to the rights of the holder thereof and may apply royalties accruing hereunder toward satisfying the same or toward reimbursing Lessee. If Lessors' right shall come into dispute or litigation, Lessee may withhold payment of royalties until final adjudication or other settlement of such dispute or litigation, without any impairment of Lessee's rights under Lessors' warranty of title, and it is agreed that if Lessors' interest in said premises is less than the entire estate, the royalties to be paid Lessors shall be in accordance with the claims or interest actually owned by Lessors.

21. Lessors agree that they will do or cause to be done any acts, and to execute, acknowledge and deliver any instrument, which Lessee may from time to time request that they do or execute, including the making and filing of any relocation or amended locations of said claims, or parts thereof, for the sole purpose of perfecting title to the above described claims.

22. Lessors hereby grant to and do grant to Lessee an option to purchase all the claims and property hereinbefore described, and the appurtenances thereof, for the sum of Six Hundred Thousand Dollars ($600,000); that all minimum and production royalties and advance royalties are to be credited against the total of said purchase price. That said option may be exercised at any time during the term of this lease, upon

sixty (60) days' written notice given to Lessors by Lessee.

23. All notices required to be given hereunder to Lessors shall be given in writing and mailed by registered mail addressed to Robert E. Taaffe, 233 South Sierra Street, Reno, Nevada, or to such other address as may be designated in writing by Lessors. All payments required to be made hereunder to Lessors shall be made to Robert E. Taaffe at the same address. All notices required to be given hereunder to Lessee shall be in writing and mailed by registered mail to Cordero Mining Company, 131 University Avenue, Palo Alto, California, or to such other address as may be designated in writing by Lessee.

24. This agreement shall be construed and enforced under and in accordance with the laws of the State of Nevada, except insofar as it may become necessary to comply with the laws of the Federal Statutes and rules and regulations with respect to Lessee's operations hereunder.

25. This agreement shall inure to the benefit of and be binding upon the heirs, successors and administrators of the Lessors and the successors and assigns of Lessee.

26. Time is the essence of this agreement.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed in their respective names and by the duly authorized officers of Lessee the day and year hereinabove first written.

HELEN C. TAAFFE

ROBERT E. TAAFFE

LESSORS

ATTEST:

CORDERO MINING COMPANY

By

VICE PRESIDENT

SECRETARY

LESSEE

STATE OF NEVADA,)
:ss
COUNTY OF WASHOE)

On this 25th day of January, 1957, before me, the undersigned, a Notary Public in and for the County of Washoe, State of Nevada, personally appeared HELEN C. YERAGER and ROBERT E. YAETZ, known to me to be the persons described in and who executed the foregoing instrument, and they, and each of them, duly acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Mary M. Kinnon
Notary Public

STATE OF CALIFORNIA,)
) ss
COUNTY OF SANTA CLARA.)

On this 30th day of January, 1957, before me, the undersigned, a Notary Public in and for the County of Santa Clara, State of California, personally appeared S. H. WILLISTON, known to me to be the Vice-President of the corporation that executed the foregoing instrument, and upon oath, did depose that he is the officer of said corporation as above designated; that the signatures to said instrument were made by officers of said corporation as indicated after said signatures; and that the said corporation executed the said instrument freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Charles Keenan
Notary Public

NOTARY PUBLIC IN AND FOR THE COUNTY
OF SANTA CLARA, STATE OF CALIFORNIA
My Commission Expires October 27, 1957

Hole no 4

Site no 4

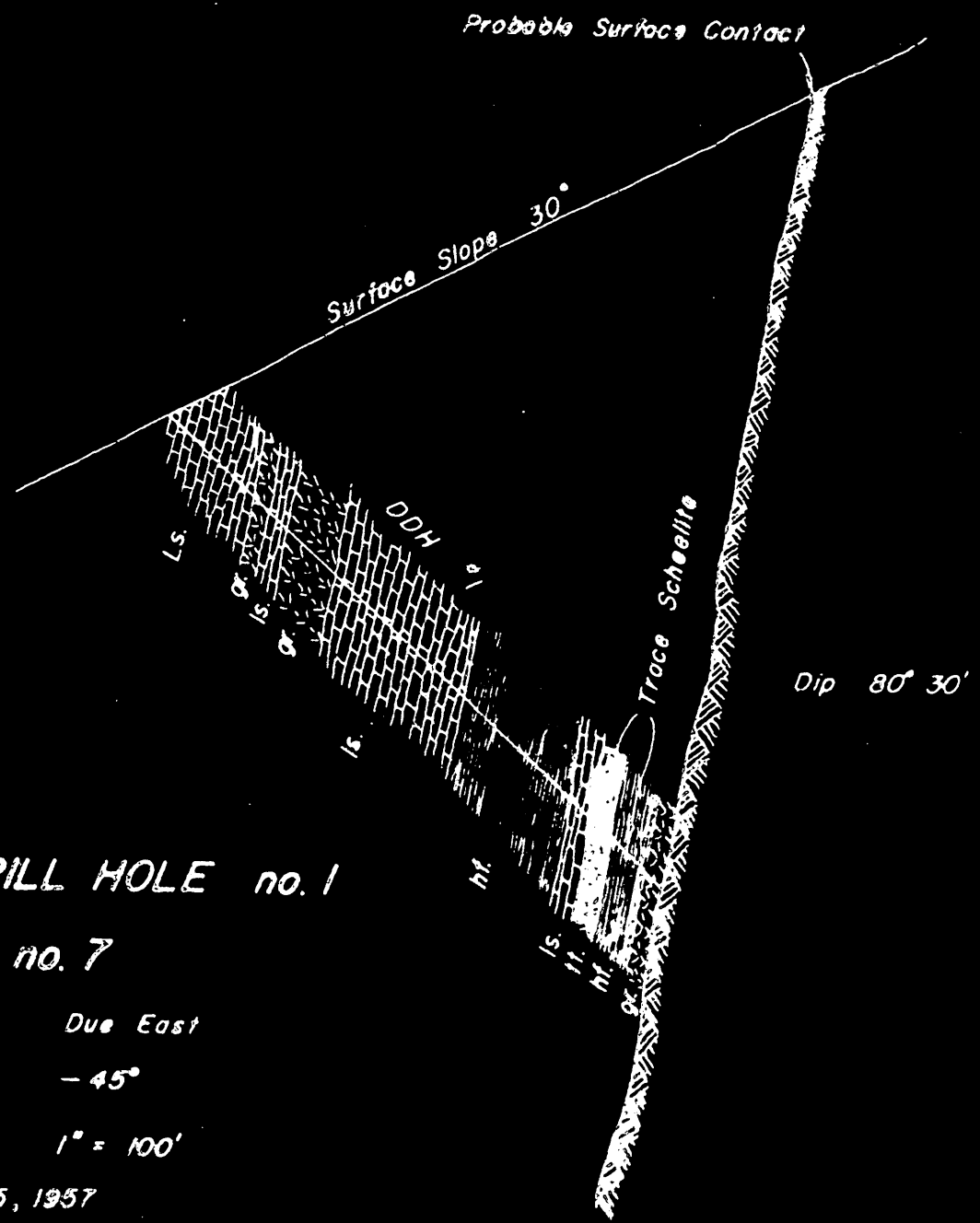
Hole

Site

HAMOND DRILL HOLES 4 & 5

SCALE 1" = 50' AUG 6, 9[illegible]

Granite



DIAMOND DRILL HOLE no. 1

Site no. 7

DIRECTION Due East

DIP −45°

SCALE 1" = 100'

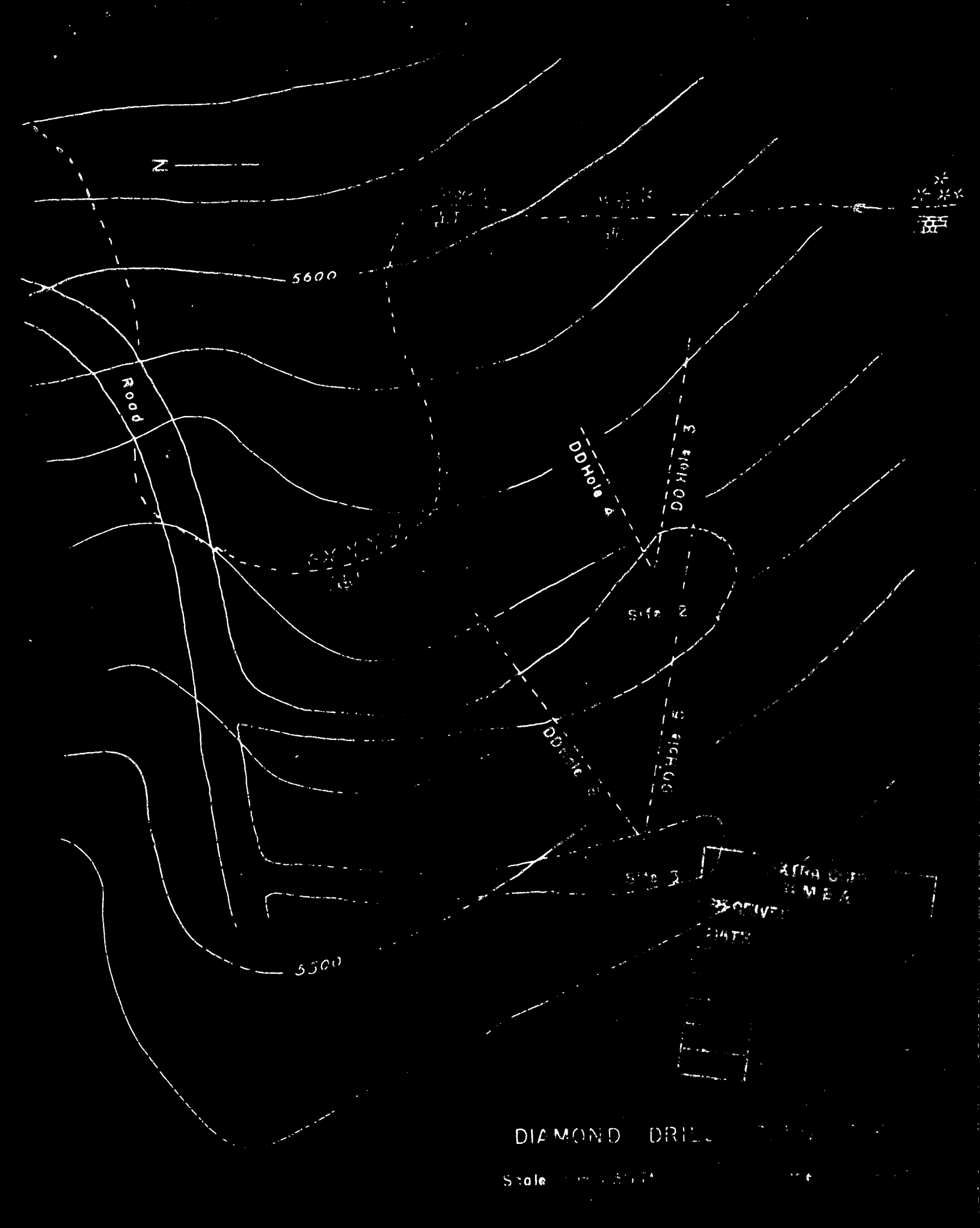
August 5, 1957

Limestone (includes minor Toc. ?)

Hornfels

Granite

Tactite


N
5600
Road
DDHole 4
DDHole 3
Site 2
DDHole 2
DDHole 1
Site 3
5500
DIAMOND DRIL
Scale

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

Consent to Lien

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED FEB 26 1957 DMEA

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of _____, State of _____, described as follows: 2/ _____

_____

_____

_____

_____,

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;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

_____

_____

_____

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

2/ 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.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this _____ day of _____, 195__.

Robert E. Traffe	[Seal]	[illegible]	[Address]
	[Seal]		[Address]
Helen C. Shrasher Executrix	[Seal]	[illegible]	[Address]
	[Seal]		[Address]
Helen C. Shrasher	[Seal]	[illegible]	[Address]
	[Seal]		[Address]

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]

EXTRA COPY
DMEA
RECEIVED FEB 26 1967
DATE | INITIALS | CODE

EXHIBIT A

Those certain lode mining claims and lode claim fractions situated in Pershing County, Nevada, described as follows:

NAME	RECORDED IN MINING RECORDS OF PERSHING COUNTY, NEVADA, AS FOLLOWS:	
Stormy Day #3	Book #10	Page 92
Stormy Day #4	Book #10	Page 93
Stormy Day #7	Book #10	Page 129
Stormy Day #8	Book 10	Page 130
Stormy Day #9	Book #10	Page 131
Stormy Day #10	Book #10	Page 131
Stormy Day Fraction #1	Book #15	Page 238
Stormy Day Fraction #2	Book #15	Page 239
Stormy Day Fraction #3	Book #15	Page 240
Stormy Day Fraction #4	Book #15	Page 241
Extension	Book #10	Page 155
Extension #1	Book #10	Page 156
Extension #2	Book #10	Page 156
Extension #3	Book #10	Page 430
Extension #4	Book #15	Page 241
Extension #5	Book #1	Page 97 Official Records

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

RECEIVED
APR 5 - 1956

1605 Evans Avenue
Reno, Nevada

April 3, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Tungsten)
John J. Thrasher
Helen C. Thrasher
Robert E. Taaffe
The Thrasher Property
Pershing County, Nevada

Attached are three sets of MF-103, Application for Aid forms relative to above subject. The fourth set has been retained in our files.

S. Ricker

Attach.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
APR 5 - 1956

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. DMEA-4240
Metal or Mineral Tungsten
Date Received 4/5/56
Estimated Cost $17,920.00
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: John J. Thrasher
Helen C. Thrasher
Robert E. Taaffe
Gerlach, Nevada

(*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.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

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 34 Unpatented mining claims trending north and south along the base of the Selenite Range in the Hooker Mining District, (See Attached Claim Map)

(*b*) State any mine name by which the property is known. The Thrasher Property

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owners

(*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.

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. To be filed later

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.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*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.

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

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

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

(*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.

(*c*) The work will start within 10 days and be completed within 6 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.

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.).

(*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)?

(*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 _____, 195__

John J. Thrasher
Helen C. Thrasher
(Applicant)

By Robert E. Saffle
DS

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

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APR 2 - 1956

4. The 34 unpatented mining claims are laid out in a North-South pattern over a distance of approximately 21,660 feet. These are divided into the following contiguous groups:

STORMY FRACTION and STORMY DAY GROUP of 9 claims.

The EXTENSION GROUP of 5 claims, and the THRABERT GROUP of 17 claims and the NORTH END GROUP of 3 claims arranged in pairs along the contact.

The claims are in the Hooker Mining District, on the west side of the Selenite Range, commonly called Limbo Range, in Pershing County, Nevada.

The claims lie 2½ miles east of a paved highway, #34, linking Gerlach, Nevada to Reno, Nevada - Reno being approximately 87 miles to the South, - Gerlach, Nevada being 17 miles to the north.

The mining claims, for a large part, lie at an elevation of 5,000 to 6,000 feet, in a mile-wide desert foothill belt of low to moderate relief, eroded in a steeply tilted sequence of limey sedimentary rocks and volcanic "caprocks" which lie west of a rugged mountainous terrain.

The topography is highly favorable for initial development by cross-cut adits.

Several miles of fair truck roads have already been constructed to various sites of exploratory activities.

GENERAL STATEMENT:

The scheelite-bearing tactite deposits on the west front of the Selenite Range are very typical, almost an ideal case, of the tungsten occurrences found along the contacts of paleozoic and mesozoic limestones and the late mesozoic granodioritic batholiths and their associated statellitic off-shoots over a broad belt extending northeastward through the Sierra Nevada Range in Central California and across Western Nevada, the Bishop District in California and the Mill City District in Nevada, are outstanding examples of regions where highly productive contact metamorphic or pyrometasomatic scheelite deposits have been developed and are now operating on a large scale.

On the STORMY DAY FRACTION and STORMY DAY #3 GROUPS, two strong ore-grade croppings of mineralized contact, which is generally obscrued by over burden have been found in surface prospecting.

A drill hole spotted to test the contact 252' below the southern end of these showings cored a mineable width of ore comparable to the unoxidized ore of the Stormy Day Mines.

The contact zone is gashed deeply by a canyon of a hundred yards

or so south of the drill site. Scheelite appears in the tactice exposures in this canyon.

We wish to continue the present cross-cut adit into the contact. This adit will give approximately 186 feet of backs and is driven directly below a good surface exposure of scheelite.

5. (b). PROPOSED WORK:

Continue the present cross-cut 480 feet to intersect the tungsten-bearing tactite along the granite lime contact. Trench the southern exposures of tungsten on the contact.

5. (d). J. THRASHER, the discoverer of the Stormy Day Mines, operated and shipped from Stormy Day.

6. (a). Work to be on a contract basis

1. Units - hours bulldozing @ $14.00 per hour

2. Units - cross-cut per foot $35.00

Approximately 80 hours bulldozer work for rehabilitation and trenching on contact @ 14.00 per hour	$ 1,120.00
480 feet of cross-cut @ $35.00 per foot	$ 16,800.00
Total . . .	$ 17,920.00

5/1/56

Mr. Bill Morris from Senator Bible's office made inquiry by 'phone on this application.

DMEA 4240

Phoned 7/24/56 to say the contract had gone out. Morris was out in Nevada but some girl in the office took the message WSM

OFFICIAL FILE COPY

Date	Surname	Code
3-19	Holt	400
3-19	Martin	400
		110
		100

March 19, 1958

MEMORANDUM

To: Administrator, DMEA

From: Division of Iron and Ferro-Alloys, DMEA

Subject: General Summary of Contract and Results Obtained
Docket No. DMEA 4240 - Tungsten
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E979

Operator:
Cordero Mining Company, 131 University Avenue, Palo Alto, California.

Operator's Property Rights:
The Operator controls, by assignment of contract and lease with option to purchase, from John J. Thrasher,(who died during the term of the contract),Helen C. Thrasher and Robert E. Taaffe, the owners, address c/o Robert E. Taaffe 233 South Sierra Street, Reno, Nevada, eight unpatented lode mining claims, situated in unsurveyed T. 30 N., R. 24 E., M.D. B. & M., Hooker Mining District, Pershing County, Nevada, and recorded in the Courthouse of Pershing County at Lovelock, Nevada as follows:

Claim Name	Recorded Book	Recorded Page
Stormy Day Fraction No. 1	15	238
Stormy Day Fraction No. 2	15	238
Stormy Day No. 3	10	92
Stormy Day No. 4	10	93
Stormy Day No. 7	10	129
Stormy Day No. 8	10	130
Stormy Day No. 9	10	131
Stormy Day No. 10	10	131

Amendment No. 2 to the contract added eight more unpatented

lode mining claims adjoining the first group of eight, to the lands covered by the contract, as follows:

Claim Name	Recorded Book	Recorded Page
Extension	10	155
Extension No. 1	10	156
Extension No. 2	10	156
Extension No. 3	10	430
Extension No. 4	15	241
Extension No. 5	1	97
Stormy Day Fraction No. 3	10	92
Stormy Day Fraction No. 4	10	93

Contract:

(a) Executed July 23, 1956, on Short Form, MF-200A (Rev. Apr. 1956)

(b) Completion period: Work to be commenced on or before September 1, 1956, and to be completed within 12 months.

(c) Work authorized:

Bulldozing, 110 hours @ $14.00/hour	$1,540.00	
Drifting, 650 feet @ $32.50/foot	21,125.00	
Timbering drift, 165 feet @ $7.00/foot	1,155.00	
Assaying 75 samples for WO_3 @ $4.00/spl	300.00	
Estimated Total Cost of the Project		$24,120.00
Government Participation @ 75%		18,090.00

Amendment No. 1, executed September 15, 1956, changed "drifting" to "drifting and /or crosscutting" in Exhibit "A", Description of the Work, and in Fixed Unit Costs.

Amendment No. 2, executed February 4, 1957, authorized diamond drilling, drifting, and/or crosscutting in the northern extension of the contact zone. Period for the completion of the work was extended from July 23, 1957, to January 23, 1958.* Eight more unpatented lode claims were added to the land covered by the contract, as noted above under "Operator's Property Rights". Work previously authorized was designated as Stage I, and new work, designated Stages II and III, was added. Estimated Costs of the Project were changed to:

*Royalty payment period was increased to 11 years. √

Stage I	Total Cost Stage I	$22,953.80	$22,953.80
Stage II			
Bulldoze 225 hours @ $14.00/hour		3,150.00	
Diamond drill 1,600 feet @ $6.50/foot		10,400.00	
Assay 25 samples for WO_3 @ $4.00/spl		100.00	
Estimated cost of Stage II			$13,650.00

Stage III

Crosscut and drift 600 feet @ $32.50/foot	$19,500.00	
Timber 150 feet @ $7.00/foot	1,050.00	
Assay 25 samples for WO_3 @ $4.00/spl	100.00	
Estimated cost of Stage III		$20,650.00
Estimated Total cost of the Project		$57,253.80
Government Participation @ 75%		$42,940.35

Amendment No. 3, executed July 12, 1957, deleted Stage III of Amendment No. 2, and substituted a new Stage III, with no change in total cost, as follows:

Stage III

Phase 1		
Bulldoze approximately 3,000 feet of access roads and drill sites, 150 hours @ $14.00/hour	$2,100.00	
Drill and blast access roads (job)	1,504.50	$3,604.50
Phase 2		
Diamond drill 7 holes, approximate total length 910 feet, @ $6.50/foot	$5,915.00	$5,915.00
Phase 3		
Diamond drill 1,697 feet @ $6.50/foot	11,030.50	
Assay 25 samples for WO_3 @ $4.00/spl	100.00	$11,130.50
Estimated Total Cost of Stage III		$20,650.00

(d) Work completed:

Drifting and crosscutting 650 feet @ $32.50/foot	$21,125.00	
Diamond drilling 1,855 feet @ $65.0/foot	12,057.50	
Bulldozing, 335 hours @ $14.00/hour	4,690.00	
Bulldozing and blasting (Amendment 3)	3,302.24	
Timbering drift, 35.5 feet @ $7.00/foot	248.50	
Assaying, 10 samples for WO_3 @ $4.00/spl	40.00	
Estimated Total Cost of the Contract		$41,463.24*
Government Participation @ 75%		31,097.50*

* Subject to final audit

Work on the project was begun August 9, 1956. After the completion of Stage I the contract was assigned to the Cordero Mining Company on January 25, 1957, and work continued on Stages II and III. The work was stopped, substantially completed, on August 15, 1957. The assignee requested termination of the

contract on September 5, 1957, owing to the poor showing in the drill holes and the low price of tungsten. Pending settlement of rates to be paid for bulldozing, the contract is awaiting termination.

Audits: A review in lieu of final audit, dated December 4, 1956, covering work done under Stage I of the contact as amended, was received December 6, 1958. Audit of the whole contract is pending.

Reports: The Operator's Final Report, dated October 4, 1957, was forwarded by the Field Team October 10, and received in this office October 14, 1957. The Final Report of the Field Team, dated December 16, 1957, was received December 20, 1957.

Past Production:

No production has been reported from this property prior to the date of the contract.

Present Production:

No tungsten ore has been produced from the property during or since the term of the DMEA contract.

Certification:

In accordance with the recommendation of the Field Team, a certification of discovery or development was issued on March 24, 1958.

Comments: The project was established to explore for tungsten ore on the Stormy Day and Stormy Day Extension groups of claims, where it occurs in the form of scheelite-bearing tactite zones near a contact between granite and limestone. Reserves of tungsten ore discovered by project work are estimated as a few tons of measured ore of unstated grade, 32,000 tons of indicated ore averaging 0.5 percent WO_3, with no inferred ore.

SPHOLT/dlm 3-19-58
cc to: Docket
Admr. R. File
F. E. Johnson
Oper. Comm.

W S Martin
W. S. Martin, Director
Division of Iron and Ferro-Alloys

DMEA Form 17
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WORK COMPLETED ANALYSIS

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

Operator: Cordero Mining Company, Assignee		Actual Cost	
State: Pershing County, Nevada	Contract & amendments	Agreed Unit Cost 57,253.50	
Final Report of Audit	Commodity: Tungsten	Docket No. DMEA-4240	
Final Report of Review 41,463.34		Contract No. Idm-E979	

Operation	Authorized by Contract and Amendments		Completed		Net cost after sale of Government Property
	Units	Cost	Units	Cost	
Drifting & Crosscutting	650 ft.	$21,373.50	650 ft.	$21,373.50	
Raising					
Shafts					
Winzes					
Drilling (Specify) Diamond	4,207 ft	27,345.50	1,855 ft.	12,057.50	
Surface Excavation					
Underground Excavation					
Roads and Trails: Bulldozing		6,790		4,690.00	
Roads and Trails: Blasting & B.D.		1,504.50		3,302.34	
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) Assaying		240		40.00	
Totals		$57,253.50		$41,463.34 *	

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

Prepared by T. L. Chapman Date 9/4/58

31390

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
10/25		110
		220

NOV 9 1967

Mr. Harold R. Playford
830 West Peckam Lane
Reno, Nevada 89502

Re: DMEA-4240 (Tungsten)
Cordero Mining Company (Assignee)
Stormy Bay, et al., Group of Claims
(Thrasher Property)
Pershing County, Nevada
Contract Idm-E979

Dear Mr. Playford:

Thank you for your letter of recent date and enclosed check in the amount of $5.00 to cover the cost of duplicating the Operator's final report and drill hole logs on work performed under the subject contract.

We are enclosing copies of the following data submitted by the Operator:

Operator's final report dated October 11, 1957.
Map of Thrasher property - Diamond drill holes.
Narrative reports and drill hole logs for Diamond drill holes 1 - 5, inclusive.

cc: Director's reading file
Division file
Economic Geology file
OME file
OME reading file

FEJohnson /bih 10/25/67

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

Enclosures

23263

830 West Peckam Lane
Reno, Nevada

10/25/67
Check received and to Finance
FEJ

U.S. Geological Survey
Chief O.M.E.
Mr. Frank E. Johnson

Dear Sir;

Thank you for your letter of Aug. 3rd. 1967. Please find a check in the amount of $5.00 enclosed herein to cover the cost of duplicating the final reports and drill hole logs for D.M.E.A. contract number 4240(tungsten)

Thanking you in advance for your trouble we remain sincerly yours.

Harold R Playford
Helen C Shoaker

OFFICIAL COPY
O. M. E.
RECEIVED
OCT 25 1967

INITIALS	CODE
	110

IN REPLY REFER TO:
Office of Minerals Exploration

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

July 28, 1967

Mrs. Helen C. Thrasher

Gerlach, Nevada 89412

Re: DMEA-4240 (Tungsten)
Cordero Mining Co., Assignee
Stormy Day, et al., Group of Claims
(Thrasher Property)
Pershing County, Nevada
Contract Idm-E979

Dear Mrs. Thrasher:

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

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

Sincerely yours,

Frank E. Johnson
Chief, Office of
Minerals Exploration

MME Form 63
Revised 7-65

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since March 9, 1966, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since March 9, 1966, has there been any production from the land subject to the contract? Yes ☐ No ☒

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

	Quantity	Value

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

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

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

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

Disposition of Material	Quantity	Value

Submitted by:

Name Helen C. Shrasher Title owner

Address Gerlach Nevada Date August 1, 1967

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/3/67		110
		120
		220
		110

AUG 3 1967

Mrs. Helen C. Thrasher

Gerlach, Nevada 89412

Re: MMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Group of Claims
Pershing County, Nevada
Contract Idm-K979

Dear Mrs. Thrasher:

By the terms of the subject Exploration Project Contract and the certification of discovery or development dated March 24, 1958, all minerals mined or produced from July 23, 1956, to July 23, 1967, were subject to the Government's royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

Copy to: Cordero Mining Company
131 University Avenue
Palo Alto, California 94301

cc: Director's Reading File
Division File
Economic Geology File
Budget and Finance
OME Docket
OME Reading File
OME Region II
120M

GLAult/a 8-3-67

23263

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/3/67		110
		120
		220
		110

Mr. Harold R. Playford
484 West Plumb Lane
Reno, Nevada 89502

AUG 3 1967

Re: BMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Group of Claims
Pershing County, Nevada
Contract Idm-E979

Dear Mr. Playford:

Your letter of July 22, 1967, to Mr. Harold K. Stager, U. S. Geological Survey, Menlo Park, California, and enclosure, concerning the subject contract have been referred to this office.

The period of time for repayment of the Government's contribution to the cost of exploration under the contract expired July 23, 1967. Consequently, the Government no longer holds a lien on the property or production therefrom.

Information on the results of the exploration work performed on the property by John J. Thrasher, et al., prior to the assignment of the contract to Cordero Mining Company should be available from Mrs. Thrasher. Information subsequently submitted to this office by Cordero may be released to you with the written consent of Mrs. Thrasher. There is a charge for duplicating and mailing such material.

Upon receipt of written authorization from Mrs. Thrasher and a check or U. S. Money Order in the amount of $5.00, payable to the U. S. Geological Survey, we will forward copies of the Operator's Final Report and drill hole logs for the work performed by Cordero.

Sincerely yours,

FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Division File
Economic Geology File
OME Docket
OME Reading File
OME Region II
120M

FEJohnson/gla 8-3-67

23263

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY
O. M. E.
RECEIVED
AUG 2 1967
MINERAL STUDY
gla 120 m
110
220

Memorandum July 31, 1967

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: DMEA-4240 (Tungsten)
Cordero Mining Co., Assignee
Stormy Day, et al., Claims
Pershing County, Nevada
Contact Idm-E979

The subject contract expired on July 23, 1967, and a check of U.S. Bureau of Mines records indicates that there has been no production from the property.

Will you please reply to the attached letter from the owners with the usual notification that the certification period has terminated, and send them copies of any drill logs, maps, or assays that may be available in your files.

H. K. Stager

Enclosure

July 22,1967

Mr. Harold K.Stager
U.S.G.S.
345 Middlefield Rd.
Menlo Park,California.

DMEA-4240 (Tungsten)
Cordero Mining Co.
Assignee
Stormy Day, et al.,
Clms - Pershing Co./Ve
Contract Idm-E979

Dear Sir:

In 1963 I wrote to the Mineral Explorations office inquiring about the terms of the contract regarding the loan on the claims mentioned in the enclosed letter which I recieved from Mr. George Fumich.

Mrs. Thrasher and myself have kept these claims and have done the assessment on them. John Thrasher and Robert Taaffe are now both deceased.

There has been no production from this property and we would like to know if these claims can now be released from this contract. Also if any assay reports,diamond drill logs,or maps which might be useful in the future development of the property can be obtained?

Sincerely yours,

Harold R Playford
484 West Plumb Lane
Reno Nevada

RECEIVED
JUL 25 1967
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

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

JUN 6 1963

Mr. Harold R. Playford
~~923 Greenbrae Drive~~ 484 W Plumb Lane
~~Sparks, Nevada~~ Reno Nev.

Re: DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
Pershing County, Nevada
Contract Idm-E979

Dear Mr. Playford:

Your May 23 inquiry concerning the referenced contract has been referred to this office for reply.

Under the provisions of this contract, as amended, a percentage royalty is payable to the Government on all minerals produced from the Stormy Day Nos. 3, 4, 7, 8, 9, and 10, Stormy Day Fraction Nos. 1, 2, 3, and 4, Extension, and Extension Nos. 1, 2, 3, 4, and 5 claims until July 23, 1967, or until the Government's contribution of $31,097.51 is repaid, whichever occurs first. To date no production has been reported and no royalty has been paid to the Government.

This contract, as originally executed on July 23, 1956, provides that the Operators (John J. Thrasher, Helen C. Thrasher, and Robert E. Taaffe), as principals if the producers or as sureties if not the producers, shall pay to the Government the percentage royalty on production. The Government's March 15, 1957, consent to assignment of the contract to Cordero Mining Company was given with the specific stipulation that the original Operators were not released from any of the terms, provisions, and conditions of the contract.

Furthermore, in consideration of the Government's consent to the assignment, a Consent to Lien and Subordination Agreement was executed on February 14, 1957, by Robert E. Taaffe and Helen C. Thrasher, for herself and as Executrix of the Estate of John J. Thrasher, Deceased. This document specifically grants to the Government a lien upon the sixteen claims and upon any production therefrom to secure the payment to the Government of the percentage royalty.

The contract provides for computation of royalty as follows:

> "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, 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, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form."

> "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."

Checks covering royalty should be made payable to the Office of Minerals Exploration and mailed, together with two copies of each pertinent settlement sheet, to the Acting Field Officer, OME Region II, 113 Custom House, 555 Battery Street, San Francisco 11, California.

Sincerely yours,

George Turnick

Director

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/6	Talbot	800
6/6	Murphy	500
		120
6/6	Johnson	110
		100
		220

Mr. Harold R. Playford
923 Greenbrae Drive
Sparks, Nevada

JUN 6 1963

Re: DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
Pershing County, Nevada
Contract Idm-E979

Dear Mr. Playford:

Your May 23 inquiry concerning the referenced contract has been referred to this office for reply.

Under the provisions of this contract, as amended, a percentage royalty is payable to the Government on all minerals produced from the Stormy Day Nos. 3, 4, 7, 8, 9, and 10, Stormy Day Fraction Nos. 1, 2, 3, and 4, Extension, and Extension Nos. 1, 2, 3, 4, and 5 claims until July 23, 1967, or until the Government's contribution of $31,097.51 is repaid, whichever occurs first. To date no production has been reported and no royalty has been paid to the Government.

This contract, as originally executed on July 23, 1956, provides that the Operators (John J. Thrasher, Helen C. Thrasher, and Robert E. Taaffe), as principals if the producers or as sureties if not the producers, shall pay to the Government the percentage royalty on production. The Government's March 15, 1957, consent to assignment of the contract to Cordero Mining Company was given with the specific stipulation that the original Operators were not released from any of the terms, provisions, and conditions of the contract.

Furthermore, in consideration of the Government's consent to the assignment, a Consent to Lien and Subordination Agreement was executed on February 14, 1957, by Robert E. Taaffe and Helen C. Thrasher, for herself and as Executrix of the Estate of John J. Thrasher, Deceased. This document specifically grants to the Government a lien upon the sixteen claims and upon any production therefrom to secure the payment to the Government of the percentage royalty.

43683

The contract provides for computation of royalty as follows:

"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, 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, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form."

"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."

Checks covering royalty should be made payable to the Office of Minerals Exploration and mailed, together with two copies of each pertinent settlement sheet, to the Acting Field Officer, OME Region II, 113 Custom House, 555 Battery Street, San Francisco 11, California.

EDTalbert/ama 6-6-63

Sincerely yours,

George Fumich, Jr.

Director

cc:
Docket
Director's Reading File
CA & A Division
Actg. Field Officer, Region II

MAY 1963
BUREAU OF MINES
OFFICE OF
MINERALS EXPLORATION
REGION II

923 Greenbrae Drive
Sparks, Nevada
May 23, 1963

Regional Office of Mineral Exploration,
113 Custom House
555 Battery Street,
San Francisco, California.

Dear Sirs:

I would appreciate any information your office could give me regarding D.M.E.A, 4240, I.D.M. E 979. The loan was applied to the Stormy Day Claims numbers 3, 4, 9, 7, 8, 10 and Stormy Day fraction number 1 and 2, and later amended to include-Extension, Extionsion number 1, 2, 3, 4, and 5 and Stormy Day Fractions 3 and 4.

The loans were applied for by John Thrasher and Bob Taaffe and probably the amendment was assigned to Cordero Mining Company.

Both Mr. Thrasher and Mr. Taaffe have since died, and their heirs and myself still keep the assessment work up on these claims. Any information you could give me would be greatly appreciated.

Yours Very Truly,

Harold R Playford

HAROLD R. PLAYFORD
923 GREENBRAE DRIVE
SPARKS, NEVADA

HRP/gp

Left in Washington Office by Mr Fillo on 6/5/63
with request that we answer

Fallint
6/5/63

#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)*

Mr Robert E Tappe agent for
Mrs Helen E Thrasher

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

Helen E Thrasher

4240

DATE DELIVERED	ADDRESS WHERE DELIVERED *(only if requested in item #1)*
3/18/63	

C55—16—71548-4 GPO

Cordero Mng. Co.

POST OFFICE DEPARTMENT
OFFICIAL BUSINESS

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

POSTMARK OF DELIVERING OFFICE

GENERAL COUNSEL
MAR 18 1963
NEV.

INSTRUCTIONS: Fill in items below and complete #1 on other side, when applicable. Moisten gummed ends and attach to back of article. Print on front of article RETURN RECEIPT REQUESTED.

RETURN TO

REGISTERED NO.	NAME OF SENDER
598013	DEPT OF INTR(MIN EXPL)
CERTIFIED NO.	STREET AND NO. OR P. O. BOX
	18th CST N.W.
INSURED NO.	CITY, ZONE AND STATE
	WASH 25 D.C.

POD Form 3811 Jan. 1958

C55—16—71548-4

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

March 14, 1963

Re: DMEA-4240 (Tungsten)
Cordero Mining Co., Assignee
Stormy Day, et al., Groups of Claims
(Thrasher Property)
Pershing County, Nevada
Contract Idm-E979

REGISTERED MAIL
RETURN RECEIPT REQUESTED

Mr. Robert E. Taaffe and/or
Mrs. Helen C. Thrasher
Gerlach, Nevada

Dear Mr. Taaffe and Mrs. Thrasher:

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

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

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

OFFICIAL FILE COPY
O. M. E
RECEIVED MAR 25 1963

DATE	INITIALS	CODE
3/25		800
3/25		100
3/25		110
		500
		220

MME Form 63
Revised 3-62

DMEA-4240
Idm-E979

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since September 30, 1957, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

2. Since July 1, 1958, has there been any production from the land subject to the contract? Yes ☐ No ☒

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

	Quantity	Value

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

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

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

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

Disposition of Material	Quantity	Value

Submitted by:

Name Helen G. Thrasher Title Partner

Address Gerlach Nevada Date March 19, 1963

4512

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
555 Battery Street
San Francisco 11, California

OFFICIAL FILE COPY
O. M. E
RECEIVED APR 5 1963
DATE INIT.
4/4 800
500
230

April 1, 1963

Memorandum

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

From: Acting Field Officer, OME, Region II

Subject: DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
Pershing County, Nevada
Contract Idm-E979

Enclosed is the original of a Report of Review covering the subject contract.

This office agrees with the facts as stated in this report.

PAUL V. FILLO

Paul V. Fillo

Enclosure

cc:
Chief, Division of Field Operations, OME, Washington, D. C.
Contract Administration and Audit Division, OME, Washington, D. C.

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		220

MAR 2 6 1963

Memorandum

To: Acting Field Officer, Region II

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

Subject: DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
Pershing County, Nevada
Contract Idm-E979

The original and one copy of a Report of Royalty Review covering the subject contract are enclosed. 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, U. S. Department of the Interior, Washington 25, D. C.; and

(b) One copy for your files.

This Report of Royalty Review is made for record purposes only; therefore, no copy for the Operator is provided.

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

Enclosures

EDTalbert/ama 3-26-63

cc:
Docket
Director's Reading File
CA & A Division
Fiscal Section

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/24	Holt	500
	Marshall	500
8/27	Talbot	800
8/27	Selquedo	120
8/27	Anderson	110
8/27	Fumich	100
		220

AUG 2 7 1962

Mr. Eldon C. Gilbert
Manager
Cordero Mining Company
131 University Avenue
Palo Alto, California

Re: IMKA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
Pershing County, Nevada
Contract Idm-E979

Dear Mr. Gilbert:

In accordance with the request in your letter of August 20, 1962, enclosed is a copy of the subject contract, with its amendments. Also enclosed for your information is a copy of the assignment of contract from Robert E. Taafe and Helen C. Thrasher to Cordero Mining Company.

Sincerely yours,

George Fumich, Jr.

Director

Enclosures

SPHolt/gla
8-24-62
cc to: Director's Reading File
Contract Division
Region II (2) w/2 cys incoming letter
Docket
Code 500

43683

J. N. PEW, JR.
PRESIDENT

S. H. WILLISTON
VICE-PRESIDENT

JOHN C. AGNEW
SECRETARY-TREASURER

CORDERO MINING COMPANY

131 UNIVERSITY AVENUE
PALO ALTO, CALIFORNIA

August 20, 1962

Re: DMEA 4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
Pershing County, Nevada
Contract Idm-E979

George Fumich, Jr., Director
Office of Minerals Exploration
U. S. Department of the Interior
Washington 25, D. C.

Dear Mr. Fumich:

It is not entirely clear to us which contract you are referring to in your letter of August 10th. It would be appreciated if you could furnish us with a copy.

Very truly yours,

J. Eldon Gilbert

J. Eldon Gilbert
Manager

OFFICIAL FILE COPY
O. M. E
RECEIVED AUG 22 1962

DATE	INITIALS	CODE
		800
8/22		500
8/23		500
		220

JEG:L

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
8/10	Holt	500
	Drysdale	500
8/10	Talbut	800
8/10	On leave	120
"	Johnson	110
8/10	Fumich	100
		220

mailed 8/10/62

Cordero Mining Company
131 University Avenue
Palo Alto, California

Re: DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
Pershing County, Nevada
Contract Idm-E979

Gentlemen:

We thank you for the information in your reply to our MME Form 63, Request For Information on Certified Project and Project Under Royalty Agreement.

Although, as stated in your reply, the property has been returned to the owners, please note that under Article 6(b) of the contract your responsibility for the payment of the Government's percentage royalty on all minerals mined or produced from the land of the contract continues, as surety under the contract, from July 23, 1956, to July 23, 1967, until the sum of $31,097.51 is paid.

Also, as you were advised in our letter of March 25, 1958, transmitting the certification of discovery or development, you are requested to notify the Acting Field Officer, Region II, OME, 113 Custom House, 555 Battery Street, San Francisco 11, California, of any changes in ownership or production rights that might have any effect on the Government's right to its percentage royalty. If production ceases for any extended period, you are requested to notify the Acting Field Officer at six-month intervals that no production has been made, when that is the case.

Sincerely yours,

George Fumich, Jr.

Director

SPHolt/gla 8-10-62
cc to: Director's Reading File
Contract Division
Region II (2) w/ Thermofax copy MME Form 63 8/2/62
Docket
Code 500

Note to Acting Field Officer, OME Region II:

A Form 63 was forwarded to Mr. Robert E. Taafee and Mrs. Helen C. Thrasher, c/o Mr. Robert E. Taaffe, 233 South Sierra Street, Reno, Nevada, on May 9, 1962, and returned by the Post Office, marked "Moved Left No Address." Should you be able to ascertain a current address for the owners, we would appreciate receiving the information.

43683

Mr Yuswold

OMEA - 2420

I suggest also mailing 63 to Gerlach, Nevada, the address shown on Consent to Acen executed 2/14/57 in connection with assignment and also address on MF-104

Talbert
8/10/62

MME Form 63
Revised 3-62

REQUEST FOR INFORMATION ON CERTIFIED PROJECT AND PROJECT UNDER ROYALTY AGREEMENT

1. Since July 1, 1958, has there been a change in ownership, lease, or sublease? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents, unless they have been provided before. Yes ☐ No ☒

   Returned by Cordero Mining Company to owners Sept. 30, 1957. We have no knowledge of property since that time

2. Since July 1, 1958, has there been any production from the land subject to the contract? Yes ☐ No ☐

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

	Quantity	Value

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

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

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

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

Disposition of Material	Quantity	Value

Submitted by:

Name J. Eldon Gilbert
J. Eldon Gilbert
Address 131 University Avenue
Palo Alto, California

Title General Manager
Date Aug. 2, 1962

4511

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

JUL 25 1962

Re: DMEA-4240 (Tungsten)
Cordero Mining Co., Assignee
Stormy Day, et al., Groups
of Claims
Pershing County, Nevada
Contract Idm-E979

Cordero Mining Company
131 University Avenue
Palo Alto, California

only: cy rec'd

OFFICIAL FILE COPY
O. M. E.
RECEIVED AUG 6 1962

DATE	INITIALS	CODE
8/6		800
		120
		100
		110
		500
		220

Gentlemen:

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

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

Sincerely yours,

W. R. Griswold, Chief
Division of Minerals

Re: DMEA-4240

In view of past efficiencies with Cordero, a letter advising of its obligation as surety is strongly recommended.

Also as we have no info later than 1958, a Form 63 should be sent to landowners, who also were operators-assignees and sureties.

Talbert
8/6/62

Form 63 was sent to the owners 5.9.62, returned by P.O. marked "moved, leaving address"

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
555 Battery Street
San Francisco 11, California

OFFICIAL FILE COPY
O. M. E
RECEIVED APR 3 1962

DATE		
4/3		800
4/5		500
4/4	S.P.H	
		220

March 30, 1962

Memorandum

To: E. D. Talbert, Acting Chief, Contract Administration and Audit Division, OME, Washington, D. C.

From: Acting Field Officer, OME, Region II

Subject: DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
Pershing County, Nevada
Contract Idm-E979

With reference to your memorandum of March 23, 1962, our files contain no further information regarding activity on the property or changes in lease or ownership status of the subject contract.

Paul V. Fillo
Paul V. Fillo

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
3/23	Selfridge	120
		225

MAR 23 1962

Memorandum

To: Acting Field Officer, Region II

From: Acting Chief, Contract Administration & Audit Division

(Signed) E. D. Talbert

Subject: DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
Pershing County, Nevada
Contract Idm-E979

A Report of Royalty Review on the subject contract issued by George Mavor on May 13, 1959, was based on the DMEA Field Team's reports through December 31, 1958. The Washington files disclose no later information on the status of the property.

I will sincerely appreciate your advice as to whether the regional files contain any later information regarding activity on the property or changes in lease or ownership status after the Operator-Assignee's "quit claim" in 1958.

EDTalbert/cac
March 23, 1962

cc: Director's reading file
Contract Admin. & Audit Div.

43683

ME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
5/15	a	220
5/18	WSM	400

MAY 15 1959

Memorandum

To: Mr. George Mavor, OME Auditor

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

Subject: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Contract No. Idm-E979

In the copies of your Report of Royalty Review of the subject contract, as submitted with your May 13 memorandum, the following words in reason (a) have beendeleted:

"no further work was done on property after completion of DMEA contract."

and replaced with:

"there was no production during the period covered by this review."

Distribution of the regional copies is authorized after this revision has been made.

Regarding the question in your memorandum, the proper procedure is to use the latest date for which information is available. If a semi-annual report states that there has been no change, or a project has been inactive, that is sufficient for including the period covered by the report after reference to the prior report.

EDTalbert/ama
May 15, 1959

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

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 7 1958

DATE	INITIALS	CODE
10/7	C	226
		~~700~~
7	WSM	400

Oct. 2, 1958

Memorandum

To: Lloyd Sjolander, Finance Officer, ~~Region II~~

From: Executive Officer, OME Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher
Cordero Mining Company, Assigned
Thrasher Mine
Pershing County, Nevada
Contract No. Idm-E 979

Enclosed is copy of a letter from our Operating Committee, authorizing payment of $1,121.28 as indicated by George Mavor's audit of March 20, 1958. Will you please make payment as authorized?

S. Ricker

Attachment
SRicker:ft
cc: Opr. Com., OME, Wash., D.C.
GeoMavor
RMSmith
File
Chron

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9/19	Talbert	800
	Holt	400
	Martin	400
9/23	[illegible]	130
"	[illegible]	110
"	[illegible]	100
9/24	[illegible]	220
		400

SEP 23 1958

Mr. Spangler Ricker
Executive Officer
OME Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Contract No. Idm-E979

Dear Mr. Ricker:

By letter dated February 27, 1958, you were requested to temporarily withhold further payments to the referenced Operator pending action by the Attorney General on a matter pertaining to Contract No. Idm-E544, Docket No. DMEA-2448, Jonas and Johnson.

The Attorney General has advised that the matter is closed. Accordingly, you are authorized to pay the Operator the balance due of $1,121.28 as indicated on a Report of Review issued by George Mavor, DMEA Auditor, on March 20, 1958.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (HB)

APPROVED:

Frank J. Cservenyak (HB)
Member, Bureau of Mines

N. E. Nelson (HB)
Member, Geological Survey

cc: Docket
Act. Director's Read. File
Operating Committee
T. H. Kiilsgaard
O. M. Bishop
Mr. Chambers
Mr. George Mavor

EDTalbert/GMcC
September 19, 1958

8623

J. N. PEW, JR.
PRESIDENT

S. H. WILLISTON
VICE-PRESIDENT

JOHN C. AGNEW
SECRETARY-TREASURER

CORDERO MINING COMPANY

131 UNIVERSITY AVENUE
PALO ALTO, CALIFORNIA

OFFICIAL FILE COPY
DMEA
RECEIVED APR. 9 1958

DATE	INITIALS	CODE
4-9	C	226
	WSM	411
11	Cont	100

April 7, 1958

C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
United States Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA 4240-Tungsten
Stormy Day, et al., Groups of
Claims (Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E-979

Dear Mr. Mittendorf:

Thank you for your letter of March 25th notifying us of certification of discovery on the above mentioned group of claims.

For your information, we quit claimed this property back to the original owners and gave up our lease and option. Full title is now in the hands of Robert E. Taaffe, Helen C. Thrasher and the Estate of John J. Thrasher.

Very truly yours,

S. H. Williston

SHW:L

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. [illegible]		
2. Code 120		
3. Code 110	Jeg	3/11
4. Code ~~100~~	Coin	4/11
5. Code 400		

FROM: W. S. MARTIN

FOR: Check items for action desired

___ Action	___ Reply for signature of ___	___ Surname
___ Approval	___ Investigate	___ Signature
___ Comment	___ Recommendations	___ File
___ Conference	___ Rewrite	
___ Instructions	Your information	

REMARKS:

Believe this requires no answer. We have told operator what its obligations are, and we should not have to explain again. Presumes [illegible] also have been informed of [illegible]. WSM 4/10/58

M8278

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

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/28	J O'Connell	400
		120

March 28, 1958

Hazel Berry, Operating Committee

Division of Iron and Ferro-Alloys

Amendment No. 4
Docket No. DMEA 4240 - Tungsten
Stormy Day, et al., Groups of Claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E979

The above-cited amendment has been reviewed by the engineers of the Division of Iron and Ferro-Alloys, who find that no legal review is required.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/25	Talbert	800
3/26	C	220
/	WSM	400

MAR 25 1958

Mr. George Mavor
DMEA Auditor
420 Custom House
555 Battery Street
San Francisco 11, California

Re: Idm-E979, DMEA-4240
Cordero Mining Company

Dear Mr. Mavor:

Your Report of Review covering the referenced project is acceptable and normal distribution is authorized. However, payment of the balance due the Operator should continue to be withheld until such time as the DMEA Operating Committee advises Mr. Ricker that payment may be made.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

EDTalbert/ama
March 25, 1958

Copy to: Docket
Admr. Reading File
Mr. Ricker
Mr. Chambers

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3-19	Holt	400
3-19	Martin	400
3/21	Fadlyd	800
3/24	Selfridge	130
	Thorin	140
	Sleeper	140
"	Hayes	110
"	Gutterson	100
3/25	C	220
3/24	Kilsgaard	(130)
3/24	Yoge	(130)
		400

MAR 25 1958

Cordero Mining Company
131 University Avenue
Palo Alto, California

Re: Docket No. DMEA 4240 - Tungsten
Stormy Day, et al., Groups of Claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E979

Gentlemen:

Enclosed is a certification of discovery or development which covers all the land described in Article 2 of the contract.

By the terms of the Exploration Project Contract, as amended, and of the certification all minerals mined or produced from July 23, 1956, to July 23, 1967, are subject to the Government's percentage royalty as set forth in the contract until the sum of $31,097.50 (subject to final audit) is paid.

Checks covering royalty should be made payable to the Defense Minerals Exploration Administration, and mailed to the Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada. The purchaser should be advised to deduct royalties from the amount due on each shipment and forward check to the Executive Officer. Royalty payments to the Government should be accompanied by suitable evidence, such as settlement sheets, showing quantity and grade of the product sold, the name of the purchaser, and the charge 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 royalty. Also, if production ceases at any time for any extended period, please notify the Executive Officer at 6-month intervals that no production has been made, when that is the case.

Sincerely yours,

(for)

Administrator

Enclosure

cc to: F. D. Lamb, USBM
R. W. Holliday, USBM

cc to: Admr. R. File
Oper. Comm.
FT. REG. II
T. H. Kilsgaard, USGS

SPHOLT:foc 3-19-58
cc to: Code 400
110
800

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3-19	Holt	400
3-19	Martin	400
		~~800~~
3/24	Selfridge	130
3/24	Lopez	130
3/24	Kilsgaard	130
"	Johnson	110
"	Atterbury	100
		220

MAR 25 1958

Mr. Clarence A. Fredell, Acting Director
Technical Services Division
Defense Materials Service
General Services Administration
7th and D Streets, S. W.
Washington, 25, D. C.

Re: Docket No. DMEA 4240 - Tungsten
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E979

Dear Mr. Fredell:

Enclosed is a copy of a certification of discovery or development issued under the subject contract.

Contract No. Idm-E979 for the exploration of the Stormy Day, et al., Groups of Claims (Thrasher property), was executed July 23, 1956. Expenditures up to $57,253.80 were authorized by the contract as amended, of which the Government's share at 75% was $42,940.35. Cost of the work completed was $41,463.24, of which the Government's share was $31,097.50 (subject to final audit).

The object of the exploration program was to test the possible tungsten occurrences in scheelite-bearing tactite zones near a contact between granite and limestone. The program employed drifting and crosscutting, with surface diamond core drilling, to explore the mineralized zones. The contract as amended provided for 1,250 feet of drifting and crosscutting, 335 hours of bulldozing, with job of bulldozing, drilling and blasting, to construct access roads and prepare drill sites, and 4,207 feet of diamond core drilling. Work completed comprised 650 feet of drifting and crosscutting, 335 hours of bulldozing, with job of bulldozing, drilling and blasting, and 1,855 feet of diamond drilling.

Reserves of tungsten ore discovered by project work are estimated as a few tons of measured ore of unstated grade, plus 32,000 tons of indicated ore averaging 0.5 percent tungsten trioxide (WO_3).

Sincerely yours,

(Sgd)

Administrator

Enclosure

cc to: Messrs. F. D. Lamb, USBM
R. W. Holliday, USBM
T. H. Kilsgaard, USGS
Admr. R. File
Oper. Comm.
FT. REG. II

SPHOLT:foc 3-19-58
cc to: Docket
Code 400
110
800

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3-19	Holt	400
3-19	Martin	400
3/21	Talbot	800
3/24	Selvidge	130
3/24	Lopez	130
3/24	Lilegaard	130
"	Johnson	110
"	Strathdee	100
		220

MAR 25 1958

Certified Mail
Return Receipt Requested

Mr. Robert E. Taaffe
233 South Sierra Street
Reno, Nevada

Mrs. Helen C. Thrasher, individually and as Administratrix of the Estate of John J. Thrasher
% Mr. Robert E. Taaffe
233 South Sierra Street
Reno, Nevada

Re: Docket No. DMEA 420 - Tungsten
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of Claims (Thrasher Property)
Pershing County, Nevada
Contract No. Idm-5979

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 Subordination Agreement executed by you on February 14, 1957, also to the Lease and Option, executed on January 25, 1957, and the Assignment of Contract, executed February 14, 1957. 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,

[illegible] (for)

Administrator

Enclosure

cc to: Messrs. Lamb, USBM
Holliday, USBM
Killsgaard, USGS

cc to: 400
Admr. R. File
Oper. Comm.
FT. REG. II

SPHOLT:foc 3-19-58
cc to: Docket
Code 100
800

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

March 17, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 19 1958

DATE	INITIALS	CODE
3/19	C	220
		130
	WSM	400

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher
Cordero Mining Company, Assignee
Thrasher Mine
Pershing County, Nevada
Contract No. Idm-E 979

Enclosed are the Government's and Audit copies of Amendment No. 4 to subject contract. The remaining copies have been distributed in the usual manner.

S. Ricker

Attachments

Amend #4

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 14 1958

DATE	INITIALS	CODE
3/14	C	200
3/14	[illegible]	800
	WSM	400

1605 Evans Avenue
Reno, Nevada

March 12, 1958

Mr. S. H. Williston, Vice-president
Cordero Mining Company
131 University Avenue
Palo Alto, California

Re: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Group of Claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E 979

Dear Mr. Williston:

We are enclosing the original and four copies of an Amendment No. 4 to the referenced contract, signed by S. Ricker, Executive Officer, DMEA Field Team, Region II, for the Government.

The amendment is for the sole purpose of reconciling the account of work done with that outlined in the original contract, in regard to the use of D6 bulldozer instead of a D8.

Will you please execute all five copies, retain the one marked "Operator's copy", and return the remaining three copies to this office?

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

SRicker:ft
cc: Opr. Com., DMEA, Wash., D.C.
Finance Office
GeoMavor
RMSmith
File
Chron

Attachments

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/7	Talbert	800
3/10	C	220
/	WSM	40C

MAR 7 1958

Mr. George Mavor
DMEA Auditor
420 Custom House
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., groups of
claims (Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E979

Dear Mr. Mavor:

Enclosed is a copy of the Operating Committee's letter of February 27 to Mr. Ricker. This answers your inquiry of March 4 about this project.

After execution of an amendment authorizing the use of the D-6 bulldozer, a Report of Review may be prepared and submitted to me for approval. In my letter of approval I will advise whether the balance due the Operator may be paid.

Sincerely yours,

(Signed) E. D. Talbert

for Jay L. Chambers, Director
Contract Administration
and Audit Division

Enclosure

EDTalbert/ama
March 7, 1958

Copy to: Docket
Admr. Reading File
Mr. Ricker
Mr. Chambers

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

March 7, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 11 1958

DATE	INITIALS	CODE
3/11	C	220
	WSM	400

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher
Cordero Mining Company, Assignee
Thrasher Mine
Pershing County, Nevada
Contract No. Idm-E 979

We are preparing Amendment No. 4 to subject contract in accordance with your letter of February 27, 1958.

In the meantime, I thought I should call to your attention the fact that the Operator's final report was dated October 4, 1957 and our final report recommending certification was submitted December 16, 1957. There is a question in my mind as to whether or not certification should be made by April 4, 1958.

S. Ricker

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2-24	Chapman	400
2-24	Martin	400
2/24	Talbot	800
	Ruby	140
	Sawyer	140
2/24	G.C.	130
"	Johnson	110
"	Butler	100
2/27	C	220

400

FEB 27 1958

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

SOLICITOR

FEB 25 1958

INTERIOR DEPT.

Re: Docket No. DMEA 4240 - Tungsten
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E979

Dear Mr. Ricker:

Reference is made to your memorandum of February 3, 1958, in which you refer to your letter of November 22, 1957, relative to payment on MF-104 and MF-104A forms for August.

The contract does not provide for the allowance of any bulldozer costs other than that one specified in Exhibit A, as revised, in Amendment No. 2. Therefore, the contract should be amended to provide for the allowance of a D-6 bulldozer at the fixed rate of $13.50 per hour. You are authorized and requested to prepare an amendment accordingly.

Any payment, however, should be withheld until we hear from the Attorney General concerning action for the material and supplies used from Contract No. Idm-E544 (Docket No. DMEA 2448, Jonas and Johnson). We also have DMEA Docket No. 4504, Contract No. Idm-E1055, in Region I with this Operator and there is a question of payment for drilling holes not meeting specifications in this other contract.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

TLCHAPMAN/dlm/foc 2-20-58/2-24-58
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT. REG. II
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

8623

Point

The contract does not provide for the allowance of any bookkeeper cost other than that one specified in Exhibit A, as revised in Amendment No. 2. Therefore the contract should be amended to provide for the allowance of a U-6 Bookkeeper at the final rate of $13.50 per hour.

(Would the amendment be made here or in the field? Probably we should advise Richmond which)

Alright to advise P.T. to make amendment

: DMEA-4240

Note:

We also have DMEA-4504, Idm-E 1055, in Region I with this Operator. Field Reports state drilling does not meet specifications as to hole intervals or size of holes.

Talbert
3/20/58

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2-20	Chapman	400
2-20	Martin	400
2/20	Talbert	800
		130
		110
		100
		~~210~~ 220

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4240 - Tungsten
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E979

Dear Mr. Ricker:

Reference is made to your memorandum of February 3, 1958, in which you refer to your letter of November 22, 1957, relative to payment on MF-104 and MF-104A forms for August.

Insert → ~~We are holding up action on the above~~ any payment however, should be withheld until we hear from the Attorney General concerning action for the material and supplies used from Contract No. Idm-E544 (Docket No. DMEA 2448, Jonas and Johnson). ~~Please advise us if you know of any other DMEA contracts in which Cordero Mining Company is interested.~~ We also have DMEA-4304, Idm-E1055, in Region I which Operator said there is a question of payments for installing boilers and machinery specifications inconsistent in other contracts.

Sincerely yours,

APPROVED:

Chairman, Operating Committee

Member, Bureau of Mines

Member, Geological Survey

TLCHAPMAN/dlm 2-20-58
cc to: Code 400
Admr. R. File
Oper. Comm.
REGION II
Messrs. R. W. Holliday, USBM
T. H. Kiilsgard, USGS

8623

DMEA FORM 6 REFERENCE SLIP

REV. 12-56 DEFENSE MINERALS EXPLORATION ADMINISTRATION

TO:	INITIALS	DATE
1. ~~Code 140~~		
2. ~~Mr. Rubin~~		
3. ~~Mr. Martin DMEA~~		
4.		
5.		

RECEIVED

FEB - 7 1958

ASSOC. SOLICITOR

MINERAL RESOURCES

FROM: W. S. MARTIN

FROM SOLICITOR

FOR: Check items for action desired

____ Action ____ Reply for signature of

____ Approval X Investigate ____ Surname

X Comment X Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

FOR SIGNATURE

REMARKS:

As suggested in your conference with Mr. Chapman

[redacted]

DI—17

INT. M8278

SPECIAL

GPO 10—61804-1

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

FEB 13 1958

WSM

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: W. S. Martin

From: Associate Solicitor, Division of Mineral Resources

Subject: Cordero Mining Company, Docket No. DMEA-4240
Contract No. Idm-E979

Mr. Martin's undated reference slip asked that we review and comment upon an inquiry dated February 3, 1958, from the Executive Officer, Region II, to the Operating Committee, as to whether a contract amendment is necessary in order to pay for the costs of bulldozing with a D-6 bulldozer at the rate of $13.50 per hour.

Costs in the subject contract are set forth as fixed unit costs. The bulldozer specified in Exhibit A, as revised in Amendment No. 2, is "D-8 bulldozer or equivalent". The fixed unit cost for this item is "$14.00/hr." The contract does not provide for the allowance of any bulldozer cost other than the specified one. Therefore, the contract should be amended to provide for the allowance of a D-6 bulldozer at the fixed rate of $13.50 per hour.

We should point out that another contract (DMEA-2448) involving Cordero has been submitted to the Attorney General for a determination, among other things, as to whether the Government should claim from Cordero equipment rentals and amounts for alleged conversion of equipment. Accordingly, consideration should be given to withholding payment from Cordero under the subject contract, and any other contract the Government may have with Cordero, until the Attorney General advises us respecting contract (DMEA-2448).

Robert P. Dwyer

Robert P. Dwyer

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

February 3, 1958

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SOLICITOR
FEB 7 - 1958
INTERIOR DEPT.

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company
Thrasher Property
Pershing County, Nevada
Contract No. Idm-E 979

Reference is made to our letter of November 22, 1957 relative to payment on MF-104 and MF-104A forms for August.

Will you please advise us if payment can be made without an amendment to the contract as a result of our explanation in the letter?

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

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ASSOC. SOLICITOR
MINERAL RESOURCES

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January 14, 1958

4240
Idm-E979
Tungsten
John J. Thrasher
Thrasher Mine
Pershing County, Nevada

W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals and Ferroalloys
R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Final Report by Field Team

Dec. 16, 1957 Jan. 7, 1958

X

X

X

X

X

I concur with the recommendation that a Certificate of Discovery be issued.

R. W. Holliday

IN REPLY REFER TO:

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

January 8, 1958
Re: DMEA 4240, Idm-E979
John J. Thrasher
(Cordero Mining Company, Assignee)
Thrasher Mine
Pershing County, Nevada
Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Final Report

The contract, dated July 23, 1956, and amendments approved the expenditure of $57,253.50 on the exploration of a long granite-limestone contact zone, in which were numerous showings of scheelite-bearing tactite and on the south a producing mine.

Underground work in the zone disclosed a continuous band 1½ to 5 feet wide, averaging 3 feet wide, 355 feet long. The average grade is 0.8% WO_3. Other smaller and lower grade lenses were found. Reserves are estimated as:-

Class	Tons	Percent WO_3
Measured	-	
Indicated	32,000	0.5
Inferred	None	

Diamond drilling of the contact zone to the north failed to disclose additional ore.

The contract was terminated at the request of the operator September 5, 1957, $41,463.24 having been spent.

The examiners and Field Team recommend that a certificate of discovery be issued. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

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1/6	glr	220
	WDSM	400

December 16, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Acting Executive Officer, DMEA Field Team
Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher
(Cordero Mining Company, Assignee)
Thrasher Mine
Pershing County, Nevada
Contract No. Idm-E 979

Enclosed are three copies of our final report on the above subject by H. W. Jones, Bureau of Mines, and J. E. Carlson, Geological Survey, in which we recommend that a Certificate of Discovery be issued.

Certification Recommended
J. Motid - S. Pft.

Roscoe M. Smith

/for/Roscoe M. Smith
Acting Executive Officer

FT's FINAL REPORT

Attachments.

It's Final Report

Reviewed by
DMEA OPERATING COMMITTEE
12-27-57
(date)

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RECEIVED DEC 20 1957

DATE	INITIALS	CODE
12/27	JB	130
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

FINAL REPORT

DMEA-4240, Contract Idm-E979 (Tungsten)
John J. Thrasher (Cordero Mining Company, assignee)
Thrasher mine
Pershing County, Nevada

by

H. W. Jones
U. S. Bureau of Mines

J. E. Carlson
U. S. Geological Survey

December 16, 1957

Reviewed by
DMEA OPERATING COMMITTEE
12-27-57
(date)

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2	Claim map
3	Thrasher mine
4	Surface map

INTRODUCTION

The Stormy Day, Stormy Day Fraction, and Extension claims, also known as the Thrasher-Taaffee and the Kumiva property, Pershing County, Nevada, were explored by John J. Thrasher, Gerlach, Nevada, and Cordero Mining Company (assignee), 131 University Avenue, Palo Alto, California, in cooperation with the Defense Minerals Exploration Administration, docket DMEA-4240, contract Idm-E979 dated July 23, 1956.

An examination of the property to evaluate the completed work was made on September 16, 1957 by H. W. Jones, U. S. Bureau of Mines, and J. E. Carlson, U. S. Geological Survey.

The geologic sections of this report were taken from Application Report, DMEA-4240, dated May 23, 1956, and from Supplemental Application Report, DMEA-4240, dated January 3, 1957, both by H. W. Jones and R. G. Reeves.

SUMMARY

The purpose of the project was to explore scheelite-bearing surface exposures at depth, and underground exposures along the strike of a limestone-granite contact. This contact has a strike length of about 7,500 feet within the property boundaries, and it contains mineralized exposures at intervals along the strike.

The project was justified by the favorable geologic setting; by the production of several thousand tons of tactite ore from the same contact in the Stormy Day mine at the south end of the property (DMEA-2925, contract Idm-E521); and by a diamond drill hole (fig. 4) known to bottom in ore at the contact.

The limestone-granite contact was explored an over-all distance of 3,000 feet. Six hundred and fifty feet of drifts and crosscuts were completed at the Thrasher mine and the tactite zone was explored for 355 feet. Ore-grade tactite was exposed along most of the contact. The project was expanded by contract amendments to include 1,855 feet of diamond drilling and 6,650 feet of access road north of the Thrasher mine. Eleven holes were drilled into the contact disclosing sparsely mineralized tactite, but no ore was cut.

CONCLUSIONS AND RECOMMENDATIONS

Although tactite of commercial amount and grade was discovered at the Thrasher mine adjacent to and north of the previously explored and certified Stormy Day mine, the ore zones apparently do not extend north of the Thrasher mine. Additional

exploration is warranted between the Thrasher workings and the northern property line of the Stormy Day mine, and Government aid would be warranted for a project south of the Thrasher workings.

We recommend that a Certificate of Discovery be issued for the Thrasher mine.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The Stormy Day and Extension claims are in an unsurveyed part of Pershing County, Nevada that has projected coordinates T. 30 N., R. 24 E., M.D.B.&M. (Fig. 1). These claims are on the west side of the Selenite Range in the Hooker mining district at an altitude of about 5,000 feet.

The property is reached by travelling north from Wadsworth, Nevada on State Highway 34 for 63 miles; then east 2.7 miles on a dirt road to the Stormy Day mine; then on a steep road 0.6 miles from the Stormy Day ore bunker to the switchback leading southeast to the Thrasher mine. The roads are accessible to year-round travel, except for infrequent intervals during winter months.

Labor for small operations is available at Gerlach, Nevada, 17 miles north of the mine. Water is available from springs at the Stormy Day mine and on the Extension claims.

PROPERTY

The property consists of 34 unpatented lode claims recorded in the Pershing County Courthouse at Lovelock, and held by the Thrasher Estate and Robert Taaffe. The 16 claims included in the contract and subject upon certificatinn to Government lien are:

Stormy Day Fraction	No. 1	Extension	
Stormy Day Fraction	No. 2	Extension	No. 1
Stormy Day Fraction	No. 3	Extension	No. 2
Stormy Day Fraction	No. 4	Extension	No. 3
Stormy Day	No. 3	Extension	No. 4
Stormy Day	No. 4	Extension	No. 5
Stormy Day	No. 7	Stormy Day	No. 9
Stormy Day	No. 8	Stormy Day	No. 10

Development consists of 650 feet of drifts and crosscuts at the Thrasher mine; a 100-foot adit (Taaffe); 2,095 feet of diamond drill holes, of which 1,855 feet were drilled with DMEA funds; a few test pits along the contact; and several thousand feet of access roads.

THE DMEA PROJECT

The purpose of the work was to explore for scheelite-bearing tactite along a north-striking limestone-granite contact. The authorized work consisted of bulldozing approximately 1,200 feet of access road, preparing a portal, and driving 650 feet of adit. Funds were allowed for 165 feet of timbering and for 75 samples to be assayed for WO_3.

Work on the access road and adit was begun August 9, 1956 and completed November 2, 1956 at a cost of $22,953.50. Amendment No. 1 dated September 15, 1956 authorized crosscutting to ore zones east of the contact by reducing the allowable footage for drifting.

The limestone-granite contact was cut at the adit 212-foot point, and the adit was turned north to follow the contact for 290 feet. A drift was driven 60 feet south along the ore zone from the adit 196-foot point. Three crosscuts totaling 77 feet were driven westerly from the adit 279-, 362-, and 483-foot points. These crosscuts all cut ore. A fourth crosscut, 11 feet long, was driven east from the adit 207-foot point (fig. 3). The contact was explored for 355 feet by 650 feet of drift and crosscut, and tungsten ore was found along nearly the full length of the exposed contact.

The adit was timbered for 35.5 feet. Ten samples were taken by the operator and assayed for WO_3.

After the underground work was completed, the operator requested an additional amendment to explore on Extension No. 1 to 4 claims by drifting and crosscutting. Amendment No. 2, dated February 4, 1957, was executed to authorize increased funds for two additional stages.

Stage II-- bulldozing 2,500 feet of access road and drill stations, followed by 1,600 feet of diamond drilling from four stations.

Stage III--600 feet of crosscutting and drifting on the best showings indicated by Stage II.

The contract was assigned to the Cordero Mining Company on January 25, 1957, and this company assumed the obligations of the contract.

Work started February 27, 1957, under Amendment No. 2; about 3,250 feet of access road was built and 835 feet of diamond drilling was completed (fig. 4). Holes 1 and 2 were drilled a total length of 258 feet at station 4. Core from hole 1 contained a few crystals of scheelite in tactite. Holes 3 and 4 were drilled a total length of 209 feet at station 2. Split core samples of scheelite-bearing tactite were taken from both holes, but it was not commercial grade. Holes 5 and 6 were drilled a total length of 368 feet at station 3. Core from hole 6 contained sparse scheelite. The work was completed May 1957 at a total cost of $8,577.50, and because of the poor showings in this area, the assignee requested that Stage III funds be re-allocated for construction of an access road and drill stations along the limestone-granite contact near the north end of the Thrasher mine.

258
209
368
835

Amendment No. 3, dated July 12, 1957, was executed to authorize (1) 3,000 feet of access road and drill stations, (2) 910 feet of diamond drilling to test the contact with 7 holes spaced at 300-foot intervals,

and (3) 1,697 feet of drilling in about 13 intermediate holes to test ore zones indicated by (2).

Work under Amendment 3 started during June 1957 and about 4,000 feet of access road was built and 1,020 feet of diamond drilling was completed (fig. 4). Hole 1 at the south end of the road was 386 feet long and cut several layers of scheelite-bearing tactite, none of which were of commercial grade. Hole 2 was 270 feet long and did not cut ore. Holes 3, 4, and 5 were drilled a total length of 364 feet to the limestone-granite contact and disclosed only a few crystals of scheelite. This work was completed August 15, 1957 at a total cost of $9,932.34.

The assignee requested a termination of the contract on September 5, 1957, owing to the poor showings in the drill holes, and to the low price of tungsten.

Expenditures

Expenditures of $57,253.50 were authorized in the contract and amendments. Itemized expenditures and unit costs are as follows:

Drifting and crosscutting 650 ft. @ $32.50/ft.	$21,125.00
Diamond drilling 1855 ft. @ $6.50/ft.	12,057.50
Bulldozing 235 hrs. @ $14.00/hr.	4,690.00
Bulldozing and blasting (Amendment 3)	3,302.24
Timbering 35.5 ft. @ $7.00/ft.	248.50
Assaying 10 samples for WO_3, @ $4.00/ea.	40.00
Total cost of the project	$41,463.24
Government's share at 75 percent	$31,097.50
Government's share unexpended	$11,842.85

Should be 335 hrs C.P.H.

There was no production under the contract and the Government did not receive, and is not due any royalties.

GEOLOGIC SETTING

The mine area is underlain by metasedimentary rocks of Paleozoic age which consisted originally of interbedded carbonate and fine-grained clastic rocks. The carbonate rocks have been intruded by granite and have been altered to marble and coarsely crystalline dolomite. Near the contact with the granite they have been silicated to form a calc-silicate hornfels containing quartz, large clinozoisite crystals, epidote, garnet, and other silicate minerals. The fine-grained clastic rocks are mostly altered to schists and, near the igneous contact, to hornfels (fig. 4). The metasedimentary rocks in the northern part of the area dip from 55° to 70° W. and strike northerly; in the southern part they dip 60° to 70° NW and strike N. 40° E.

Tactite lenses have been formed mainly in the metasedimentary rocks 10 to 25 feet from the contact with the granite. Tactite lenses have also been formed in the granite as much as 25 feet from the contact with the metasedimentary rocks; these lenses are probably completely metamorphosed septa of sedimentary rock enclosed in the granite.

The contact between the metasedimentary rocks and granite is mainly concordant, although in some places the strata are crosscut. Apophyses of the granite extend for several hundred feet into the metasedimentary rock as dikes and sills.

ORE DEPOSITS

The ore deposits are of contact metamorphic type and consist of scheelite-bearing tactite lenses. Pyrite, pyrrhotite, and rhodochrosite are accessory minerals.

The main mineralized zone is from 15 to more than 20 feet wide and consists of alternating, steeply-dipping layers of scheelite-bearing tactite separated by layers of barren tactite, calc-silicate hornfels, or silicated limestone. This zone is about 20 feet west of the limestone-granite contact along the northern major part of the drift, but in the southern part it is within a few feet of the contact and separated from it by silicated and silicified limestone. A continuous ore layer 1-1/2 to 5 feet wide, averaging 3 feet wide, and having a weighted grade of 0.8 percent WO_3 is exposed for 355 feet along the foot wall of the mineralized structure. This layer is cut in a diamond drill hole 300 feet down the dip or 100 feet below the drift (fig. 4). Other ore layers are 1 to 3 feet thick and range between 0.20 and 1.6 percent WO_3. They do not appear to be continuous, and represent only a small fraction of the amount of ore in the most prominent ore layer.

Two other mineralized structures are exposed in the adit (fig. 3). The first is about 20 feet west of the main mineralized zone, is 4 to 5 feet wide, and averages about 0.2 percent WO_3. The second is about 70 feet west of the main mineralized zone, is about 20 feet wide, and averages less than 0.10 percent WO_3.

SAMPLING

The underground workings were thoroughly lamped and samples were taken in the mineralized areas.

Sample No.	Length, feet	Percent WO_3	Description
356	3.0	0.01	35-ft. point of drift.
357	1.0	0.24	212-ft. point, granite-limestone contact.
358	2.3	1.60	195-ft. point, sparse sulfides in tactite.
359	5.0	0.15	170-175 ft. point drift.
383	2.0	<0.01	Tactite-prospect cut near spring.
384	4.5	<0.01	Prospect pit, 1.5 ft. limestone in center of bed--not sampled.
385	grab	0.05	Dump sample from pit on top of knoll.
386	grab	0.22	Dump sample from lower pit, 50 ft. below knoll, 2.5 ft. tactite.
387	3.0	0.25	Intersection south drift and main drift.
388	6.0	0.80	30-ft. point south drift.
389	5.5	0.79	20-25.5 ft. point No. 2 crosscut.
390	2.0	0.07	32-ft. point No. 2 crosscut.
391	1.5	0.51	8-ft. point No. 3 crosscut.
392	1.7	0.19	30-ft. point No. 4 crosscut.
393	4.0	0.55	No. 4 crosscut.
394	--	0.04	General dump sample of stockpiled material.

Other samples were taken from surface exposures and from split core at the north end workings. All cores were lamped and only those having significant amounts of scheelite were split and assayed.

Sample No.	Length, feet	Percent WO_3	Description
430	3.0	<0.01	Tactite in cut just north of DH 1, Station 1.
431	5.0	0.21	Cut due east of Station 1.
432	3.5	0.27	Cut southeast of Station 1.
461	2.0	0.41	Split of core 105-107 ft., Station 2, DH 3, Extension claims.
462	2.0	0.13	Split of core 53-55 ft., Station 2, DH 4, Extension claims.

ORE RESERVES

The reserves are summarized as follows:

Class	Tons	Percent WO_3
Measured	a few tons	
Indicated	32,000	0.5
Inferred	none	

Except for ore exposed in the DMEA drift but unexplored by raises there are no measured or inferred reserves in the Thrasher mine and none can be inferred along the untested 2,000 feet of contact north of the mine owing to the poor showings in diamond drill holes north and south of this untested zone. The indicated reserves in the Thrasher mine are 16,000 units of WO_3 and were calculated by using a strike length of 355 feet, depth of 300 feet, width of 3 feet, a volume factor of 10 cubic feet per ton, and average grade of 0.5 percent WO_3.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA-4240
Idm-E979
(Tungsten)

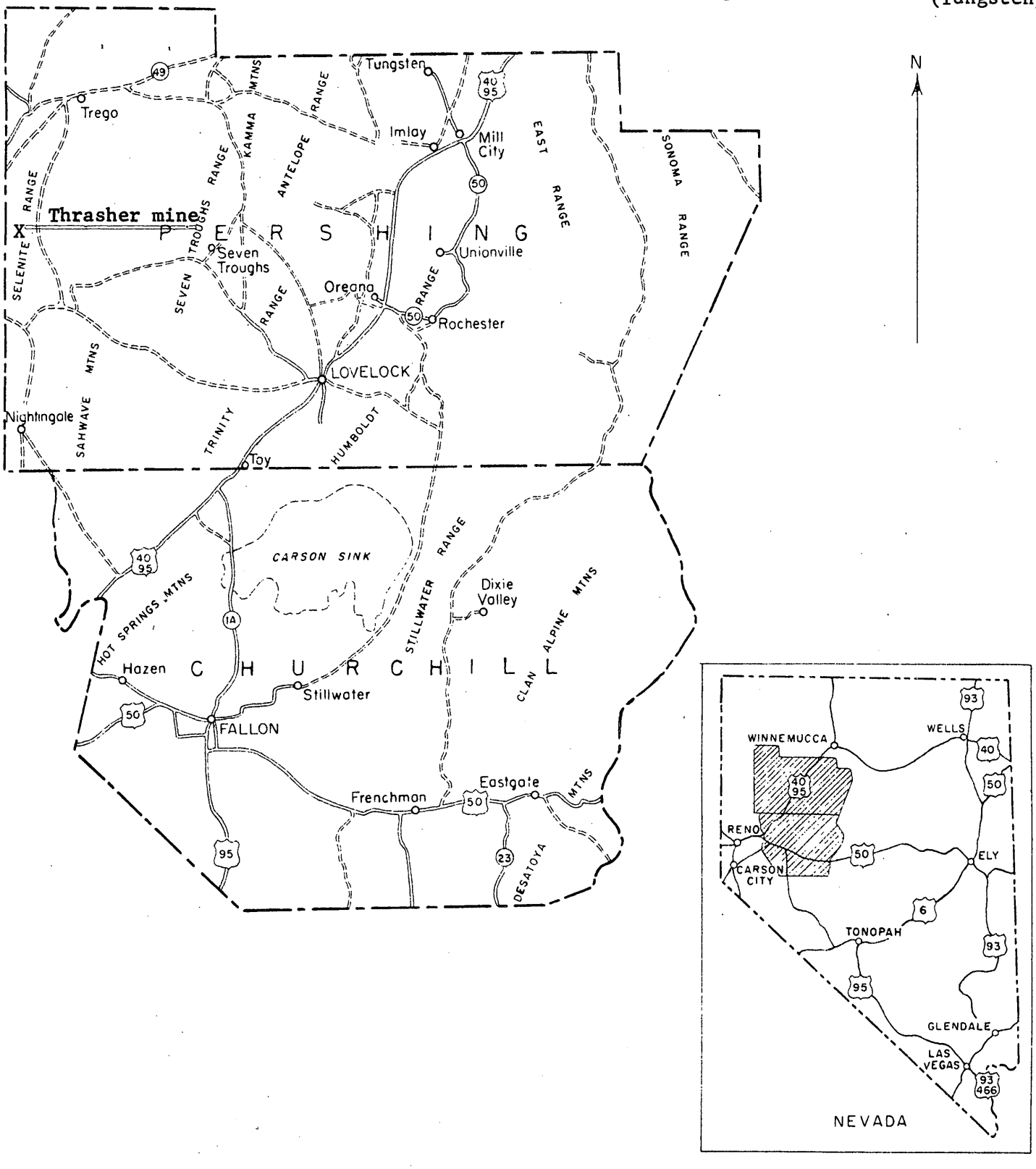

Figure 1. INDEX MAP OF CHURCHILL AND PERSHING COUNTIES, NEVADA

0 20 40 60 Miles

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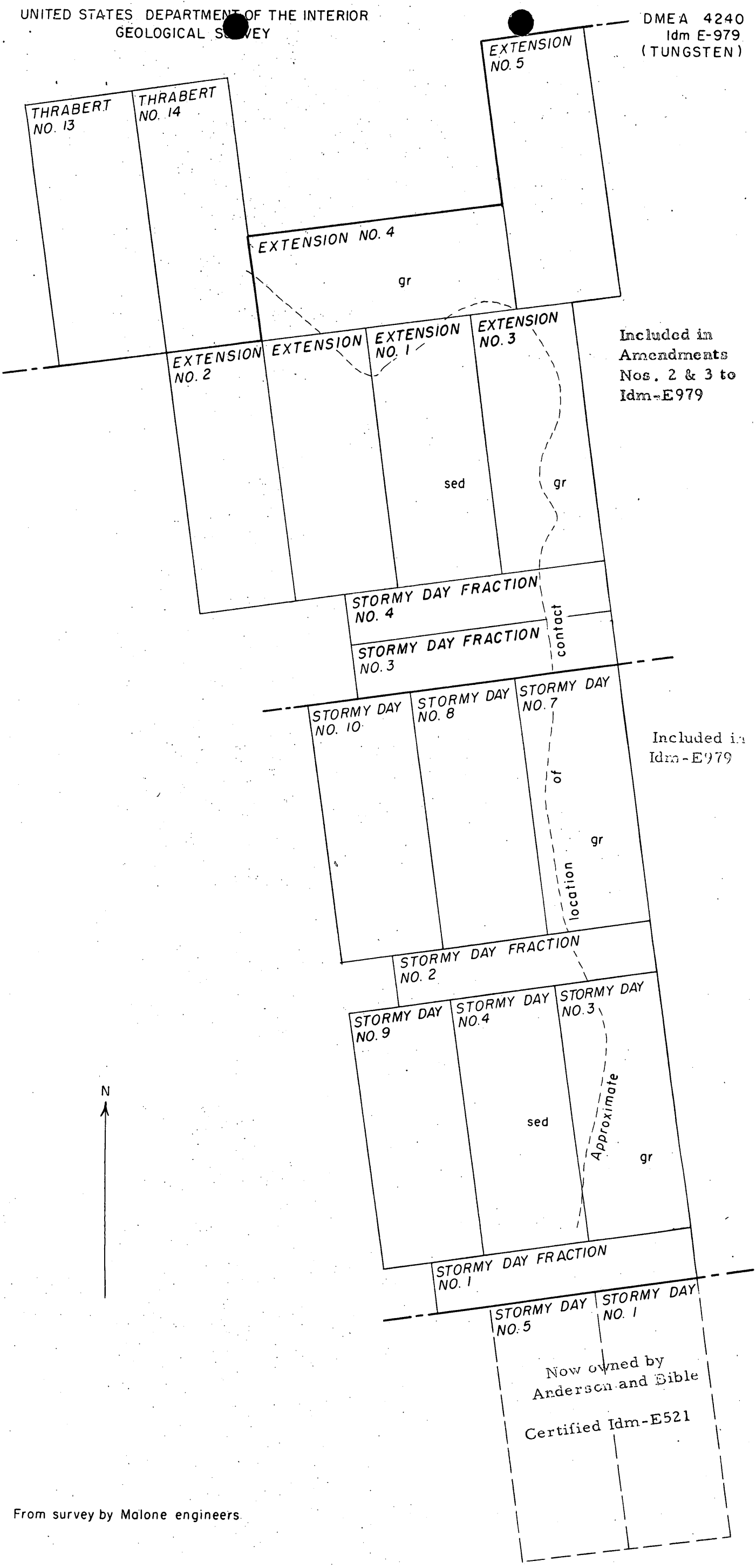
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
Idm E-979
(TUNGSTEN)



From survey by Malone engineers.

Figure 2. SOUTHERN PORTION OF MINING CLAIMS OWNED BY J. J. THRASHER AND R. E. TAAFFE PERSHING COUNTY, NEVADA

0 600 1200 1800 FEET

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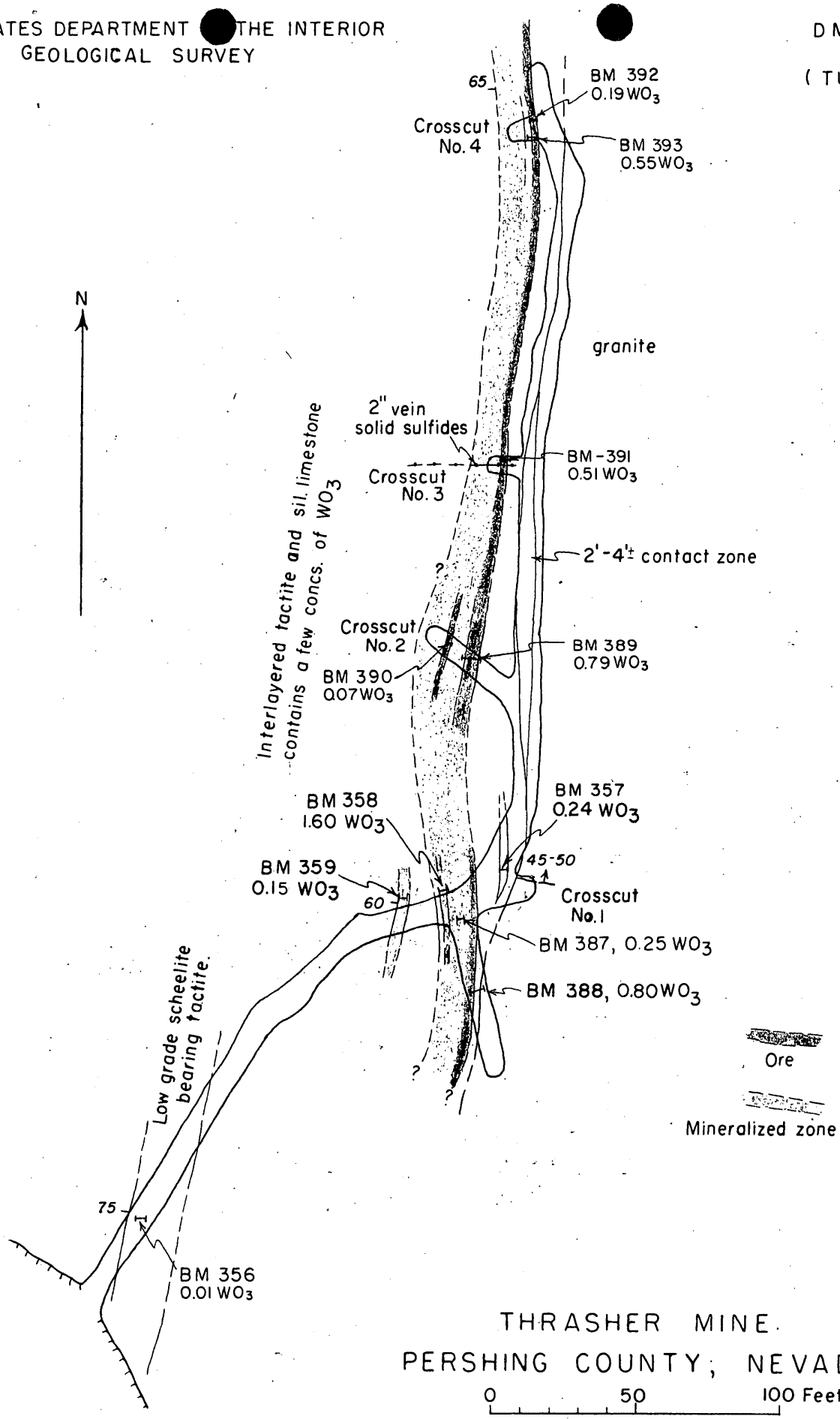
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
Idm E-979
(TUNGSTEN)



THRASHER MINE
PERSHING COUNTY, NEVADA

Figure 3

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DATE	INITIALS	CODE

DRILL LOGS

Extension No. 3 Claim
Station No. 4 Hole No. 1 N 30° E., -30°

Depth Feet	Core Recovery	Lamps	Description
0-10	None		Broken sandy limestone
10-27	4 Ft.		Massive limestone, some epidote on fracture faces
27-85	8		Granular limestone
85-95	0.5		Tactite, very little scheelite
95-143	2		Decomposed oxidized granite

Extension No. 3 Claim
Station No. 4 Hole No. 2 S 80° E., - 30°

0-80	20 ft.		Granular and massive limestone epidote on fracture faces
80-90	0.5		Limestone with some garnet, very little molybdenite
90-107	1.5		Hornfels
107-115	2		Decomposed oxidized granite

Extension No. 3 Claim
Station No. 2 Hole No. 3 S 80° E., - 35°

0-21	12	None	Massive crystalline lms, epidote on cracks and joints
21-24	2	"	Decomposed altered granite with clay and sericite
24-26	2	"	Garnetiferous zone in granite
26-27	1	"	Thin bedded lms.
27-33	4	"	Massive lms.
33-38	5	"	Hornfels, with 2" lms lens, light sulfide
38-83	0	"	Massive lms
83-90	5	"	Massive banded lms.
90-101	10	"	Marbelized lms. increasing epidote
101-102-1/2	1-1/2	"	Tattite lens garnet, epidote
102-1/2-105	2	1-inch	Marbelized lms.
105-109	4	Some WO_3	Tactite, garnet, epidote, diopside sulfides

Extension No. 3 Claim (Cont'd.)
Station No. 2 Hole No. 3 S 80° E., -35°

Depth Feet	Core Recovery	Lamps	Description
109-116	5	None	Granite
116-126	8	"	Moderately oxidized granite.
126	End of hole.		

Extension No. 3 Claim
Station No. 2 Hole No. 4 N 75° E., -35

0-16	8	None	Massive lms. some epidote on fracture faces.
16-21	5	"	Altered sandy lms. with some clay
21-52	30	"	Marble and massive lms., little white sulfide.
52-52-1/2	1/2	"	Tactite, garnet
52 1/2-53	1/2	"	White quartz
53-55	2	Some WO_3	Garnet rich tactite, fine sulfides
55-65	10	None	Gradation of tactite to granite.
65-83	17	"	Granite, slight oxidation on joints.
83	End of hole.		

Extension No. 3 Claim
Station No. 3 Hole No. 5 S 80° E., -45°

0-14	10	None	Massive limestone
14-14.5	0.5	"	Altered lms. some garnet
14.5-17	2.5	"	Massive lms.
17-19	2	"	Sandy lms., some MoS_2.
19-25	6	"	Massive lms.
25-27	2	"	Sandy lms., some MoS_2, little garnet.
27-102	75	"	Massive lms., some limonite and garnet on fracture faces.
102-103	1	"	Sandy lms., some MoS_2 and bright sulphide (Pyrrhotite?)
103-155	50	"	Massive lms., some garnet on fracture faces.
155-156	1	"	2 lenses of tactite 2 inches wide, some sulphide
156	7	"	Gouge
156-165	7	"	Altered granite, some garnet and sulphide
165-193	28	"	Hornfels.
193-195	2	"	Fresh granite.

Extension No. 3 Claim
Station No. 3 Hole No. 6 N. 55° E., -45°.

Depth Feet	Core Recovery	Lamps	Description
0-12	6	None	Massive lms.
12-25	12	"	Sandy lms.
25-50	25	"	Massive lms., some garnet and limonite on fracture faces
50-57	7	"	Sandy lms.
57-75	18	"	Massive lms.
75-85	20	"	Altered sandy lms.
85-150	60	"	Massive lms., some garnet and limonite on fractire faces
150-159	9	"	Marble, limonite and some sulfide (pyrrhotite)
159-164	5	Some WO_3	Garnet rich tactite, pyrrhotite, molybdenite and scheelite
164-173	9	None	Granite

Stormy Day No. 3 Claim
Station No. 7 Hole No. 1 (strike due east, dip -43°)

0-10	7.8	None	Crystalline limestone, some tactite minerals.
10-25	8.0	"	Crystalline limestone with more tactite minerals.
25-40	10.7	"	Contains small zone of tactite 6-8 inches wide.
40-45	5.0	"	Crystalline limestone with two wider zones of tactite.
45-50	4.3	"	Crystalline limestone, some tactite.
50-57	6.2	"	Almost all tactite.
57-60	2.9	Trace	All tactite.
60-65	3.8	None	All tactite.
65-75	2.7	"	Gray limestone, sulfides, garnetiferous tactite.
75-82	2.2	"	Tactite.
82-88	6.0	"	Granite dike.
88-96	7.8	"	Tactite containing some sulfides.
96-100	3.9		Crystalline limestone.
100-104	3.8		Tactite
104-111	6.0		Biotite granite.
111-114	2.5		Gray to black hornfels.
114-130			Granite.
130-337	93.0	None	Massive limestone, small bands of epidote.
227-229	2.0	"	Garnetized zone.
229-243	12.5	"	Silicified dark banded hornfels with few sulfides.
243-256			No core.

Stormy Day No. 3 Claim
Station No. 7 Hole 1 (strike due east, dip -43°) Continued:

256-263

Depth Feet	Core Recovery	Lamps	Description
256-263	7.0	None	Dark banded hornfels
263-264	1.0	"	Carbonaceous limestone
264-292	21.5	"	Thin=bedded, fine-grained, siliceous hornfels.
292-292.5	0.5	Trace	Garnet zone containing very little scheelite.
292.5-293	0.5	None	Massive pyrrhotite bordering garnet zone
293-316	21.5	"	Siliceous hornfels, some massive limestone.
316-331	10.0	"	Wollastonite (?) zone containing garnet, epidote, and pyrrhotite
331-344	10.0	Trace	Contains narrow bands of garnet-rich tactites, some sbheelite, too disseminated to warrant sampling.
344-377	27.0	"	Silicified hornfels containing sulfides, one speck WO_3 at 358 ft., begins to show some granitization.
377-386	8.5	None	Gradation to fresh granite at bottom of hole.

Stormy Day Fraction No. 2 Claims
Station No. 6 Hole No. 2 Bearing due east -32° 10'

0-35	22.5	None	Thin bedded hornfels.
35-42	3.5	"	Pegmatite gradational granite. zone in lower portion.
42-85	18.5	"	Massive limestone. Garnetized in bands - somewhat silicified.
85-87	0.5	"	Dark granite inclusion.
87-103	9.5	"	Massive limestone containing silicified bands - sometimes highly silicified.
103-106	1.5	"	Granitic inclusion.
106-134	15.5	"	Massive limestone.
134-152	6.5	"	Massive limestone.
152-158	2.0	"	Pegmatite (quartz, feldspar with one 2" piece garnetiferous).
158-160	2.0	"	Massive uncrystallized limestone.

Stormy Day Fraction No. 2 Claims (Continued)
Station No. 6 Hole No. 2 Bearing due east -32° 10'

Depth Feet	Core Recovery	Lamps	Description
160-198	27.0	None	Hornfels composed largely or quartz and fine grained. sulfides. 186-196' contains up to 10% calcide in zones.
198-213	1.5	"	Aplite dike with some garnet and epidote.
213-227	9.0	"	Hornfels containing minor calcite zone. 223-224' is garnetiferous.
227-228	1.0	"	Aplite.
228-239	7.0	"	Hornfels containing very minor calcite and some pyrrhotite, and sulfide.
239-246	5.5	"	Gray crystalline limestone containing quartz, sulfides, and some carbonaceous material.
246-260	13.0	"	Hornfels. 249-251' very porous.
260-268	7.0	"	Slightly banded hornfels becoming more banded toward contact.
268-270	0.5	"	Granite.

Stormy Day Fraction No. 2 Claim
Station No. 5 Hole No. 3 N. 85° E. -42°.

0-50	13.0	None	Banded hornfels.
50-87.5	30.0	"	Dike showing zones of aplite and pegmatite.
87.5-87.7	0.2	Trace	Contains a few small grains of golden scheelite.
87.7-94	7.0	None	Pegmatite - aplite dike.
94-95	1.0	"	Banded zone. Large amount of biotite.
95-105	9.5	"	Medium grained pegmatite - aplite.
105-109	4.0	"	Granite. Hole contains no calcite.

Stormy Day No. 7 Claim
Station No. 4 Hole No. 4 E. strike, dip -40°.

0-27	Hornfels alternating with chlorite schist; some silicified limestone.
27-53	Limestone, silicified.
53-63	Biotite granite.
63-69	Biotite schist, fine-grained.
69-77	Biotite granite.

Stormy Day No. 7 Claim Station No. 3
Hole No. 5 N 89° E. -44° 30'

Depth Feet	Core Recovery	Lamps	Description
0-30	3.5	None	Hornfels
30-40	1.5	"	"Alaskite" to pegmatite.
40-42.5	1.0	"	Hornfels
42.5-51	1.0	"	"Alaskite" to pegmatite.
51-60	2.0	"	Hornfels
60-72	5.0	"	Sil. limestone
72-74	0.5	"	Alaskite
74-90	12.0	"	Highly sil. hornfels. Contains up to 15 percent calcite. Contains 0.5ft. Alaskite dike 87.5-88 ft.
90-100	4.0	"	Sil. hornfels. Contains 1 percent calcite
100-101.5	1.5	"	Alaskite dike.
101.5-105	3.0	"	Coarse-grained metam. zone, contains garnet and gray-green diposide, quartz, and feldspar. No calcite.
105-107.5	2.5	"	Transition zone back to banded hornfels. Some sulfides.
107.5-118	11.0	"	Banded hornfels.
118-121	2.0	"	Transition hornfels to granite.
121-141	9.5	"	Granite - contains a few inclusions of minor hornfels near 125 ft.
141-178	23.5	"	"Alaskite" to pegmatite.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

DMEA RECEIVED NOV 25 1957		
DATE	INITIALS	CODE
11/25	C	220
11/25	WSM	400

November 22, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company
Thrasher Property
Pershing County, Nevada
Contract No. Idm-E 979

Reference is made to your letter of November 8, 1957 regarding letter of October 16, 1957 from Mr. Jay L. Chambers on subject oontract.

For the type of work involved, we consider the D6 bulldozer was equivalent and more suitable than a D8 and the cost of drilling and blasting was minimized. The rental rate of a D8 bulldozer in the district ranges from $16.00 to $18.00 per hour with operator. Rental rate of a D6 ranges from $13.50 to $14.00 per hour. In addition, a D6 was the only type immediately available.

We do not believe it would be in the interest of the Government to amend the contract and believe the reduced rate of $13.50 per hour should be allowed. Work was satisfactory and done at less than fixed costs set up in the contract.

I am enclosing our office copy of the MF-104 and MF-104A's for August. Payment has not yet been made and we would appreciate your early advice as to whether an amendment is now necessary as a result of our exploration.

S. Ricker

MF-104's Aug 1957 field report

m 7

OFFICIAL FILE COPY

Date	Surname	Code
11-7	Chapman	400
11-7	Martin	400
11-7	Chambers	800
11/8	GCS	130
"	Johnson	110
		~~400~~
11/8	gb	220
		400

NOV 8 1957

X

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4240 - Tungsten
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-3979

Dear Mr. Ricker:

By letter of October 16, 1957, Mr. Jay L. Chambers, gave instructions to Mr. George Mavor, with regard to an invoice of the Palmer and Decker Company which indicates that the bulldozing on the above-noted project was done with a D6 bulldozer. Amendment No. 3 calls for this work to be done with a D8 or equivalent unit of another make, at a unit cost of $14.00 per hour. Please determine whether the work was done with a D6, as, if so, it will be necessary for you to recommend an amendment reducing the cost accordingly.

If an amendment is needed, it should be executed prior to presentation of the termination agreement requested by the Operator and recommended by the Field Team. Our last Form MT-104 and 104A is for July. The last work completed was in August and it will be necessary for us to have MT-104's for this period.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

TLCHAPMAN/dlm 11-7-57
cc to: Code 400
Admr. R. File
Oper. Comm
FT. REG. II
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

8623

P.S. Please see Special Notice No. 192 in Operating Committee Minutes dated March 20, 1953.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

October 24, 1957

DMEA
OFFICIAL FILE COPY
DMEA
RECEIVED OCT 28 1957

DATE	INITIALS	CODE
10/28	C	220
		130
10/29	WSM	400

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Acting Executive Officer, DMEA Field Team
Region II

Subject: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company
Thrasher Property
Pershing County, Nevada
Contract No. Idm-E 979

In a letter dated September 5, 1957 from the Operator, Mr. J. Eldon Gilbert, Manager, requested termination of the contract, and on October 4, 1957 he submitted the Operator's final report which was transmitted to the Operating Committee October 10, 1957.

An examination of the property was made September 16, 1957 by Henry Jones, U. S. Bureau of Mines, and J. E. Carlson, U. S. Geological Survey, and their final report is in preparation. They conclude that further work is not warranted and they recommend that a termination agreement be prepared. Mr. Ricker and I concur.

The final report will recommend certification based on the discovery of a tungsten ore body of commercial size and grade in the adit driven during Stage I.

Very truly yours,

Roscoe M Smith

Roscoe M. Smith
Acting Executive Officer
DMEA Field Team, Region II

(2) copies attached

BUREAU OF MINES
WASHINGTON, D.C.

OCT 28 9 35 AM '57

CORDERO MINING COMPANY

1[illegible] UNIVERSITY AVENUE
PALO ALTO, CALIFORNIA

September 5, 1957

9/9/57

S. Ricker, Executive Officer
DMEA Field Team, Region II
United States Department of the Interior
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company
Contract No. Idm-E 979

Dear Mr. Ricker:

On the last portion of the DMEA Contract (Ammendment No. 3 dated July 12, 1957) a total of 1,020 ft. of diamond drilling has been completed in five holes. These holes were for the purpose of testing the granite limestone contact. They were spaced about 300 ft. apart and each one went thru the zone, therefore, about 1,500 ft. of contact was tested. None of these holes showed anything even near commercial tungsten mineralization.

With the poor showings in the drill holes and with the lack of any domestic market for tungsten, we do not feel that we want to do more work on this property. Therefore, we request the termination of our DMEA Contract No. Idm-E 979.

Very truly yours,

J. Eldon Gilbert
Manager

JEG:sgp

rm 7
56)

OFFICIAL FILE COPY

Date	Surname	Code
10-16	Fulbright	800
10/17	B	220
	WSM	400

Mr. George Mavor
DMEA Auditor
420 Custom House
555 Battery Street
San Francisco 11, California

OCT 16 1957

Re: Idm-E979, DMEA-4240
Cordero Mining Company
Assignee of
John J. Thrasher, et al

Dear Mr. Mavor:

Your letter of October 14, 1957, requests advice as to the cost allowable for Stage III, Phase I, work on the referenced project.

The short form of contract covering this project specifically provides in Article 1 (b) that "the fixed cost of each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit "A". Amendment No. 3 modifies Exhibit "A" to provide, among other things, for (1) a maximum of 150 hours of bulldozing with a D8 or equivalent dozer at a fixed unit cost of $14.00 an hour and (2) a unit job of drilling and blasting at a fixed unit cost of $1,504.50.

On the basis of this contract, as amended, the Government is obligated to contribute 75 percent of the fixed unit costs (regardless of the actual costs) of the project work accepted by the Government as conforming to specifications. Accordingly, the acceptable costs for the Stage III, Phase I, work on this project appears to be:

132 hrs. bulldozing	@ $14.00/hr.	$1,848.00
1 job drilling and blasting		1,504.50
Total		$3,352.50

8623

The above computation is premised on verification by the Field Team of the acceptable performance of the units of work indicated. It is noted, however, that the invoice of The Palmer and Decker Company indicates that the bulldozing was done with a D6 Caterpillar rather than the larger "D8 or equivalent unit" specified in Amendment 3. Therefore, if the work was actually performed by a D6 machine, no costs of the bulldozer work may be accepted unless the contract is appropriately amended.

As recommendation for an amendment must originate with the Field Team, a copy of this letter is being sent to Mr. Ricker for his information.

Sincerely yours,

(Signed) J. L. Chambers

Jay L. Chambers, Director
Contract Administration
and Audit Division

EDTalbert/wb
October 16, 1957

Copy to: Docket
Admr. Reading File
Mr. Ricker, Region II
Mr. Chambers

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957

DATE	INITIALS	
10/15	C	220
10/15	[illegible]	800
10/16	WSM	400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

October 10, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

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

Subject: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company
Thrasher Property
Pershing County, Nevada
Contract No. Idm-E 979

Enclosed are the original and three copies of the final report by the Operator on the above-referenced contract.

Very truly yours,

/for/ Roscoe M. Smith
Acting Executive Officer
DMEA Field Team, Region II

Attachments

10-16-57
Copies to
BM
JS

J. N. PEW, JR.
PRESIDENT

S. H. WILLISTON
VICE-PRESIDENT

JOHN C. AGNEW
SECRETARY-TREASURER

CORDERO MINING COMPANY

131 UNIVERSITY AVENUE
PALO ALTO, CALIFORNIA

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957

DATE	INITIALS	CODE

October 4, 1957

Re: Docket No. DMEA-4240
(Tungsten)
Cordero Mining Company
Contract No. Idm-E 979

S. Ricker, Executive Officer
DMEA Field Team, Region II
United States Department of the Interior
1605 Evans Avenue
Reno, Nevada

FINAL REPORT

Oper's Final Report

Dear Mr. Ricker:

On March 15, 1957 Cordero Mining Company received from Helen C. Thrasher and Robert E. Taaffe an assignment of their contract with Defense Minerals Exploration Administration (Contract No. Idm-E-979, Docket No. 4240) for certain work to be performed upon the tungsten property known as Thrasher Mine, Pershing County, Nevada.

The first stage of a three-stage program had been completed and was in the nature of a drift which had been driven on the limestone-granite contact. This drift and subsequent cross cuts exposed a fairly continuous body of mineralized rock, the tungsten content of which was in order of two or three tenths of a per cent WO_3.

Stage Two of this contract was to explore by diamond drilling a section of the contact about 4000' north of the drift driven in Stage One. It consisted of authorization to build an access road and to drill eight diamond drill holes.

A third stage was also in the contract, and it authorized 600' of drifting or cross cutting, presumably upon the ore revealed by the drilling of Stage Two.

Cordero Mining Company did the work described by Stage Two.

Diamond Drill Hole No. 1 (Site No.4). Bearing N30°E. Dip -30° was drilled to a depth of 143'. It cut the contact at about 100' and went into decomposed granite. Only a trace of scheelite was revealed.

Diamond Drill Hole No. 2 (Site No. 4). Bearing S80°E. Cut the contact at about 90' but showed only a trace of scheelite. The hole was continued to 115'.

Diamond Drill Hole No. 3 (Site No. 2). Bearing S80°E. Dip -35°. Cut the contact at about 105'. From 105' to 107' a few colors of scheelite showed up when the core was lamped; beyond 107' there was no mineralization. The hole was stopped at 126'.

Diamond Drill Hole No. 4 (Site No. 2). Bearing N75°E. Dip -35°. Cut a tactite zone from 25' to 65'. This zone contained garnet, epidote, quartz and some pyrite but practically no scheelite. The hole bottomed in granite at 83'.

Diamond Drill Hole No. 5 (Site No.3). Bearing S80°E. Dip -45°. Drilled to a depth of 195'. It was in tactite from about 15' to about 175' but none of the core lamped. The hole was continued to 195' when it reached unaltered granite.

S. Ricker

Diamond Drill Hole No. 6 (Site No. 3). Bearing N55°E. Dip -45°. Was drilled to 173'. While part of it was in garnet-bearing tactite only 5', from 159'-164', lamped a small amount of scheelite.

These six holes completed the testing of the north end of the property. While all holes cut the target contact, and most of them exposed tactite traces of scheelite, none of them revealed scheelite in any quantity even approaching commercial amounts.

Application was made by Cordero Mining Company to DMEA to amend the contract to allow additional diamond drilling along the contact nearer the drifting in place of Stage Three. This amendment was granted by DMEA. Immediately an access road was built and seven drill sites were prepared.

Starting nearest the drift and spaced about 300' apart, five diamond drill holes were drilled. Each cut the contact but not one showed more than a trace of scheelite mineralization (logs of these and all other holes have been furnished DMEA with monthly reports).

While the total amount of work approved by DMEA had not been finished, the amount that had been done was so completely discouraging, and the domestic tungsten market so low, that on September 5th a request was made to terminate the contract.

Very truly yours,

J. Eldon Gilbert

J. Eldon Gilbert
Manager

JEG:L

(Original and four copies)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY DMEA RECEIVED AUG 29 1957		
DATE	INITIALS	CODE
8/29	C	220
8/29	WSM	400

August 27, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Group of Claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E 979

Enclosed are two copies of a letter dated August 19, 1957 from the Cordero Mining Company giving the current status of subject contract. We shall discuss the letter with Mr. Gilbert upon his return from Alaska.

S. Ricker

Attachments

S. H. WILLISTON
VICE PRESIDENT

JOHN [illegible]
SECRETARY-TREASURER

CORDERO MINING COMPANY

MINE OFFICE
McDERMITT, NEVADA

8/29/57

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 29 1957

DATE	INITIALS	CODE
8/29	WSM	400

[illegible]

[illegible]
Defense Minerals Exploration Adm.
[illegible]

Dear Mr. [illegible]

[illegible] we [illegible] the [illegible]
[illegible]

With the information from these [illegible] it is possible that a complete evaluation of the mine along with a more attractive lease for the owners would [illegible] to be made [illegible]. Mr. [illegible] will be [illegible] a week or ten days [illegible] initial [illegible] to be made [illegible].

Very truly yours

[illegible]
[illegible]

[illegible]
cc [illegible]
[illegible] Traffic

[illegible] 20 9 02 AM '57

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 29 1957

DATE	INITIALS	CODE
7/29	C	220
7/29	WSay	400

July 26, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Group of Claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E 979
(Your letter, July 12, 1957)

Enclosed are the Government's and Audit copies of Amendment No. 3 to subject contract. The remaining copies have been distributed in the usual manner.

S. Ricker

Attachments

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 19 1957

DATE	INITIALS	CODE
7/19	C	220
7/19	[illegible]	800
7/19	WSM	400

1605 Evans Avenue
Reno, Nevada

July 17, 1957

Mr. S. H. Williston, Vice-president
Cordero Mining Company
131 University Avenue
Palo Alto, California

Re: Docket No. DMEA-4240 (Tungsten)
Cordero Mining Company, Assignee
Stormy Day, et al., Group of Claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-E 979

Dear Mr. Williston:

Enclosed are the original and four copies of a proposed Amendment No. 3 to the above-referenced contract, signed by the Administrator for the Government.

If the proposed amendment meets with your approval, all five copies should be signed by your firm. The copy marked "Operator's copy" should be retained by you and the original and other three copies should be returned to this office.

If any part of the proposed amendment does not meet with your approval, the original and all copies should be returned with your suggested changes.

Payment on your MF-104, MF-104A vouchers for June must be held in abeyance until the proposed amendment has been executed by you.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments

SRicker:ft
cc: Opt. Com., DMEA, Wash., D.C.
Finance Office, Reg. II
GeoMavor
RMSmith
File
Chron

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7-11	Chapman	400
7-11	Martin	400
7/11	Talbot	800
7/12	RCL	130
"	Johnson	110
"	Whitehead	100
7/15	P.K.	230
		400

JUL 12 1957

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4240 - Tungsten
Cordero Mining Company, Assignee
Stormy Day, et al., Groups of claims
(Thrasher Property)
Pershing County, Nevada
Contract No. Idm-5979

Dear Mr. Ricker:

Enclosed are the original and four copies of a proposed Amendment No. 3 to the above-referenced contract, signed by the Administrator for the Government. Two extra copies are enclosed for the use of the Field Team.

If the conditions and terms of the proposed amendment are satisfactory to you and the Operator, all five copies are to be signed by the Operator and the usual distribution made.

If any part of the proposed amendment does not have your approval or that of the Operator and cannot be altered within your delegated authority, the original and all copies are to be returned to this office, together with the proposed changes for consideration.

Sincerely yours,

Enclosures

George C. Selfridge

APPROVED:

Chairman, Operating Committee (GHB)

O. M. Bishop (GHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (GHB)
Member, Geological Survey

TLChapman/dlm 7-11-57 7-9-57/dlm
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT. REG. II
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

8623

Form 7
(2-56)

OFFICIAL FILE COPY

Date	Surname	Code
6-20	Chapman	400
6-20	Martin	400
		140

June 20, 1957

MEMORANDUM

To: Associate Solicitor, Division of Mineral Resources

From: Iron and Ferro-Alloys Division, DMEA

Subject: Preparation of Amendment No. 3
Docket No. DMEA 4240 - Tungsten
Cordero Mining Company
Thrasher (Stormy Day Ext.) mine
Pershing County, Nevada
[redacted] Contract No. Idm E979

Attached is rough draft of Amendment No. 3 to the above-captioned contract for your use in preparing in final form.

/S/ W. S. Martin

W. S. Martin, Director
Division of Iron and Ferro-Alloys

TLChapman/dlm 6-20-57
cc to: Docket
Chron.

8623

EXPLORATION PROJECT CONTRACT
CORDERO MINING COMPANY, ASSIGNEE
DOCKET NO. DMEA-4240

AMENDMENT NO. 3

It is agreed this _____ day of _____, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Cordero Mining Company, Assignee, that Exploration Project Contract No. Idm-E979 (Docket No. DMEA-4240), dated July 23, 1956, as amended, is further amended as follows:

EXHIBIT A
Description of the Work

In Amendment No. 2 of the subject Contract, delete Stage III and substitute the following work as indicated on the attached map, Fig . 8.

Phase 1 Bulldoze approximately 3,000 feet of access road and drill sites with a D8 bulldozer or equivalent of other make, blasting where necessary.

Phase 2 Diamond drill 7 holes, numbers 1 through 7, (AX minimum size) with dips of about 45 degrees easterly, to intersect the limestone-granite contact, and lengths of about 100 to 175 feet.

Phase 3 Diamond drill approximately 13 intermediate holes, at not less than 100 foot intervals in mineralized zones as indicated by the drilling in Phase 2, with easterly dips to cut contact at approximately the depth as shown by the holes in Phase 2. Holes to be approximately 100 to

175 feet in depth. The total diamond drilling shall not exceed 2,607 feet. Mineralized zones shall be sampled and assayed for WO_3.

Estimated Cost of the Project
Fixed Unit Cost

	Bulldozing access roads and drill sites 150 hours at $14.00/hr.	$2,100.00	
	Drilling and blasting of access roads	1/ 1,504.50	$3,604.50 max.
Phase 2	Diamond drill 910 feet at $6.50/ft.	5,915.00	5,915.00
Phase 3	Diamond drill 1,697 feet at $6.50/ft.	11,030.50	11,030.50
	Assay 25 samples for tungsten at $4.00 each		100.00
	Estimated total cost of adjusted Stage III		$20,650.00
	Estimated total cost of the project	$57,253.80	
	Government participation 75 percent.	$42,930.45	

This amendment shall not be construed to increase the total estimated cost of the project, the aggregate amount which the Government may be required to contribute, nor the agreed unit cost of any item of work.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By_____
Administrator, Defense Minerals
Exploration Administration

Cordero Mining Company

By_____

Title_____

1/ The complete unit is the job.

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 3 1957

DATE	INITIALS	CODE
6/3	C	220
6/3	WSM	400

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

May 31, 1957
Re: DMEA 4240 Idm E979
Cordero Mining Company
Thrasher (Stormy Day Ext.) Mine
Pershing County, Nevada
$20,650 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application for amendment No. 3

The contract was awarded July 23, 1956, approving the expenditure of about $28,500.00 on the exploration, by drifting, of a limestone-granite, scheelite-bearing, tactite zone, the northerly extension of the Stormy Day zone. The work indicated 32,000 tons of 0.5% WO_3 material.

Amendment No. 1 allowed crosscutting as well as drifting at no extra cost.

Amendment No. 2 approved diamond drilling and underground work in the northerly extension of the contact zone, about 4000 feet north of the adit portal. Only drilling was done. The estimated cost of the drilling was $13,525.00. The work prospected a relatively shallow roof pendant structure.

The results of the drilling, Stage I, were unfavorable and Stage II, crosscutting and drifting, has not been done. Instead, the operator requests that an amendment approving diamond drilling of 1900 feet of the contact zone, between the adit and the northerly drilling area, be substituted for the Stage III work. The operator estimates the cost of the drilling at $20,650.00.

If approved, the total approved expenditure would approximate:

Authority	Stage	Item	Approximate cost	
Contract	I	Underground	$28,500.00	Approved
Amendment 2	II	Diamond drilling	13,525.00	"
" 3	III	" "	20,650.00	Requested
			$62,675.00	
		Government share	$47,006.25	

Little information is given concerning the nature of the contact zone between the open cuts on Stormy Day No. 3, and Stormy Day No. 2, Fractional claims and the northerly end of the zone it is proposed to drill. 'Tactite' in part ore, is shown in cuts 2 and 3, but cuts 4 and 5 appear to be barren. Perhaps some diagonal bulldozer cuts across the zone would enable a better placing of the drill holes.

I concur with the recommendation of the Field Team that the request for am amendment be approved.

N. E. Nelson

N. E. Nelson

DMEA Form 7
(12-56)

TELEGRAM

INTERIOR

DMEA

14X1401(01) REVOLVING FUND, DEFENSE PRODUCTION ACT, INTERIOR, (TRANSFER TO OFFICE OF SECRETARY)

OFFICIAL FILE

Date	Surname	
5-28	Chapman	400
		400
5-28	Martin	100
5/29	Selfridge	130
5/29	McMillan	130
5/29	Kiilsgaard	130
29	Holliday	100
5-31		220

MR. SPANGLER RICKER, EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION II
1605 EVANS AVENUE
RENO, NEVADA

MAY 29 1957

REURMEMOS MAY 22 AND 23 AND PROPOSED AMENDMENT NO. 3. CORDERO MINING COMPANY, DOCKET NO. DMEA 4240. WE CONCUR IN PROPOSAL TO DRILL SEVEN HOLES NUMBERED 1 THROUGH 7 ON PLAN AND DEPENDENT ON RESULTS DRILL OFFSET HOLES IN significantly MINERALIZED ZONES AT NOT LESS THAN 100 FOOT INTERVALS. OPERATOR MAY PROCEED AT OWN RISK AS WE ARE PREPARING AMENDMENT TO THIS EFFECT.

George C. Selfridge
CHAIRMAN, OPERATING COMMITTEE

TLCHAPMAN:foc
5-28-57
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT. REG. II - CONFIRMATION
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

8623

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

May 23, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher, et al.
Stormy Day Frantion Claims, et al.
Pershing County, Nevada
Contract No. Idm-E 979

As the Operator has employees, diamond drilling and other equipment on the property, we would appreciate your reaction to our memorandum of May 22, 1957, by telegram if possible. The Operator would be willing to proceed at his own risk if he received advice that proposed amendment is receiving favorable consideration.

S. Ricker

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 27 1957

DATE	INITIALS	CODE
5/27	C	220
5/27	WSM	400

DMEA

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 24 1957

DATE	INITIALS	CODE
5/24	C	220
		120
5/27	WSM	400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

May 22, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher, et al.
Stormy Day Fraction Claims, et al.
Pershing County, Nevada
Contract No. Idm-E 979

Enclosed are four copies of a request from the Operator for an amendment to subject contract.

This has been discussed with Roscoe Smith and our geologist and engineer and we recommend that the request be approved. Any additional work, upon completion of Holes 1 and 7, should be held in abeyance until an appraisal of the results can be made by the Government.

Would suggest that the road work estimate be used as a maximum. The terrain is exceptionally rugged and estimated cost of road can only be approximate without a detailed survey and cross section work.

The additional proposed drilling would probably extend the known ore body discovered under Stage I so that the potential tonnage could be increased to such an extent that it would support mining and milling operations.

S. Ricker

Encls.

BUREAU OF MINES
WASHINGTON, D. C.

MAY 24 8 04 AM '57

J. N. PEW, JR.
PRESIDENT

S. H. WILLISTON
VICE-PRESIDENT

JOHN C. AGNEW
SECRETARY-TREASURER

CORDERO MINING COMPANY
131 UNIVERSITY AVENUE
PALO ALTO, CALIFORNIA

May 20, 1957

EXPLORATION PROJECT CONTRACT
JOHN J. THRASHER, HELEN C. THRASHER, AND ROBERT E. TAAFFE
ASSIGNED TO CORDERO MINING COMPANY
DOCKET NO. DMEA-4240

Amendment No. 3

It is proposed that Exploration Project Contract No. Idm-E979 (Docket No. DMEA-4240) dated July 23, 1956 as amended, is further amended:

Since the work carried on in Stage II (as set forth in the contract) was not productive, it is proposed that further diamond drilling along the contact be substituted for the planned Stage III.

Drilling to be done to the North of the drift accomplished in Stage I, along a zone of 2000 feet on the contact. Twenty holes of average depth of approximately 125 feet to be drilled at 100 foot intervals and in the order as shown on the map attached. Holes 1 thru 7 to be drilled first, other holes in order depending upon results of these.

Access road of approximately 3000 feet and drill sites to be constructed. This road will require approximately 150 hours of bulldozing plus 150 hours of drilling and blasting.

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 24 1957

DATE	INITIALS	CODE
5/27	WSM	400

Estimated Cost of the Project

Bulldoze 150 hours @ $14.00 hr.	$2100.00	
Drilling and blasting	1504.50	$3604.50
Diamond drilling 2607 feet @ $6.50 ft.		$16,945.50
Assay 25 samples @ $4.00 each sample.		$100.00
		$20,650.00

Cordero Mining Company

By Edward H. Hager
Edward H. Hager
Chief Engineer

Docket 4240

CORDERO MINING COMPANY
131 UNIVERSITY AVENUE
PALO ALTO, CALIFORNIA

April 12, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED APR 17 1957

DATE	INITIALS	CODE
4/17	C	220
4/18	WSM	400

Mr. George Mavor, DMEA
Bureau of Mines
420 Customs House
555 Battery Street
San Francisco 11, California

Dear Mr. Mavor:

As per your request of April 1st, attached please find a letter from our Attorney setting forth date of execution of our Consent to the Taaffe Assignment of their DMEA Contract.

Copies of same are also going forth to Mr. Ricker in Reno and your office in Washington.

Very truly yours,

R. C. Metcalf
Office Manager

RCM:sgp
Att:

cc: Mr. S. Ricker, DMEA-Reno, Nevada
DMEA-Washington, D.C.
Mr. J. E. Gilbert

COPY

Ernest S. Brown
ATTORNEY AT LAW
10 STATE STREET
Reno, Nevada
TELEPHONE 2-8686

OFFICIAL FILE COPY
DMEA
RECEIVED APR 17 1957

DATE	INITIALS	CODE
4/18	WSM	400

April 3, 1957

Cordero Mining Company
131 University Avenue
Palo Alto, California

Attention: Mr. R. C. Metcalf

Gentlemen:

The DMEA contract between Robert E. Taaffe and Helen C. Thrasher which was assigned to Cordero Mining Company and accepted by said mining company, and which has been approved and filed in Washington, was executed by Cordero Mining Company on February 15, 1957.

Very truly yours,

Ernest S. Brown

Ernest S. Brown

ESB:el

BUREAU OF MINES
WASHINGTON, D. C.

APR 17 10 34 AM '57

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 25 1957

DATE	INITIALS	CODE
3/25	C	220
3/26	[illegible]	800
3/26	WSM	400

1605 Evans Avenue
Reno, Nevada

March 21, 1957

Mr. S. H. Williston, Vice-president
Cordero Mining Company
131 University Avenue
Palo Alto, California

Re: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher, et al.
Stormy Day Fraction Claims, et al.
Pershing County, Nevada
Contract No. Idm-E 979

Dear Mr. Williston:

Enclosed is a copy of Assignment of referenced DMEA contract to the Cordero Mining Company, signed by the Administrator for the Government.

Also enclosed are three months' supply of MF-104 and MF-104A forms. We shall be pleased to give your representative instructions regarding the forms if he should require assistance.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encls.
SRicker:ft
cc: Opr. Com., DMEA, Wash., D.C.
Finance Office, Region II
GeoMavor
RMSmith
File
Chron

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 25 1957

DATE	INITIALS	CODE
3/25	C	220
3/26	[illegible]	800
		400

1605 Evand Avenue
Reno, Nevada

March 21, 1957

Memorandum

To: Lloyd Sjolander, Finance Officer, Region II

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher, et al.
Stormy Day Fraction Claims, et al.
Pershing County, Nevada
Contract No. Idm-E 979

Attached are copies of Assignment, Consent to Lien, and Lease and Option Agreement relative to subject contract.

S. Ricker

Attachs.
SRicker:ft
cc: Opr. Com., DMEA, Wash., D.C.
GeoMavor
RMSmith
File
Chron

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/12	Chapman	400
3/12	Martin	400
3-13	Chambers	800
3/15	Selfridge	130
"	Johnson	110
"	Butterworth	100
3/18		220

Bishop

MAR 18 1957

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4240 - Tungsten
John J. Thrasher, et al.
Stormy Day Fraction claims, et al.
Pershing County, Nevada
Contract No. Idm-E979

Dear Mr. Ricker:

Reference is made to your memorandum of February 20, 1957, with attached copies of: a letter from the Operator of the above noted project; Consent to Lien and Subordination Agreement; Lease and Option from the Operator to the Cordero Mining Company.

We also received Assignment of the DMEA Contract to the Cordero Mining Company, signed by the Operator and the Cordero Mining Company, and are returning four copies thereof, signed by the Administrator for the Government, for the usual distribution.

We are also returning three copies of the Consent to Lien and Subordination Agreement and two copies of Lease and Option for the usual distribution.

Review of the same documents shows that the Government's rights will be adequately protected thereby.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (OB)

APPROVED:

O. M. Bishop (OB)
Member, Bureau of Mines

Thor H. Kiilsgaard (OB)
Member, Geological Survey

TLChapman:foc 3/12/57
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

8623

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

MAR - 6 1957

Memorandum

To: Administrator, DMEA
Attention: Chief, Iron and Ferro-Alloys Division

From: Associate Solicitor, Division of Mineral Resources

Subject: Docket No. DMEA-4240 - Tungsten
J. J. Thrasher, et al.

We have reviewed the documents listed in your memorandum of March 4 and believe that the Government's rights under Contract Idm-E979 are adequately protected thereby, in the event the proposed assignment is approved.

Robert P. Dwyer

PIndritz:ar
March 6, 1957
Copy to: Solicitor's Docket (2)
DMEA Docket
W. S. Martin (2)
R. P. Dwyer
P. Indritz
Chron file

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/4	Chapman	400
3/4	Martin	400
		140

March 4, 1957

MEMORANDUM

To: Associate Solicitor, Division of Mineral Resources

From: Iron and Ferro-Alloys Division, DMEA

Subject: Lease and Option, Contract Assignment and Consent to Lien.
Docket No. DMEA 4240 - Tungsten
J. J. Thrasher, et al.
Stormy Day Fraction, et al. claims
Pershing County, Nevada
Contract No. Idm-E979

Attached are an original and five copies of a Lease and Option, from Helen C. Thrasher, a widow, and Robert E. Taaffe, to Cordero Mining Company, and original and six copies of an Assignment of Contract No. Idm-E979 (Docket No. DMEA-4240), and seven originals of a Consent to Lien.

It will be appreciated if you will review these documents and advise us whether the Government is properly protected in its rights under the Contract.

W. S. Martin

W. S. Martin, Chief
Iron and Ferro-Alloys Division

Attachment

RECEIVED
MAR - 5 1957
ASSOC. SOLICITOR
MINERAL RESOURCES

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 26 1957

DATE	INITIALS	CODE
2/26	C	220
		225

February 20, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
J. J. Thrasher, et al
Stormy Day Fraction, et al
Pershing County, Nevada
Contract No. Idm-E 979

Enclosed are two copies of a letter dated February 14, 1957 from the Operator requesting approval for assignment of subject contract to the Cordero Mining Company.

Also enclosed are six copies of the Operator's Consent to Lien, five copies of Lease and Option Agreement between the Operator and Cordero Mining Company, and six copies of Assignment of Contract, signed by the Cordero Mining Company and the Operator.

If you find these documents in order, the Operator will appreciate the Government's consent to the assignment.

S. Ricker

Encls.

ROBERT E. TAAFFE
[illegible]
[illegible]
[illegible]
TELEPHONE [illegible]

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 26 1957

DATE	INITIALS	CODE

February 14, 1957

U. S. Bureau of Mines
Department of DMEA
Reno, Nevada

Gentlemen:

I am handing you the original and five copies of an agreement entered into between Cordero Mining Company, a corporation, and Helen C. Thrasher for herself and as Executrix of the Estate of John J. Thrasher, Deceased, and Robert E. Taaffe. This agreement is dated January 25, 1957. I am also sending you the original and six copies of an Assignment of Contract to the Cordero Mining Company by Mrs. Thrasher and myself, and I am also handing you seven originals of a Consent to Lien.

I am respectfully requesting that the DMEA Division of the U. S. Bureau of Mines and the Department of the Interior at Washington, D. C. approve the Assignment of Contract to the Cordero Mining Company.

I am writing this letter for and on behalf of Helen C. Thrasher and myself.

Sincerely yours,

Robert E. Taaffe

RET:Mc

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 13 1957

DATE	INITIALS	CODE
2/13	C	220
2/13	B	215
		225

February 11, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
J. J. Thrasher, et al
Stormy Day Fraction, et al
Pershing County, Nevada
Contract No. Idm-E 979

Reference is made to your letter of February 4, 1957, in which was enclosed the original and five copies of Amendment No. 2 to subject contract.

The amendment has been executed by the Operator and the original and two copies are attached. Proper disposition has been made of the remaining copies.

S. Ricker

S. Ricker

Encls.

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

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 13 1957

DATE	INITIALS	CODE
2/13	C	220
2/14	[illegible]	800
		225

1605 Evans Avenue
Reno, Nevada

February 8, 1957

Mr. Robert E. Taaffe
233 South Sierra Street
Reno, Nevada

Re: Docket No. DMEA-4240 (Tungsten)
J. J. Thrasher, et al
Stormy Day Fraction claims et al
Pershing County, Nevada
Contract No. Idm-E979

Dear Mr. Taaffe:

Enclosed are the original and five copies of a proposed Amendment No. 2 to the above referenced contract signed by the Administrator for the Government.

If the terms and conditions of the amendment are satisfactory to you, all six copies should be signed by your firm. The copy marked "Operator's Copy" should be retained by you and the original and other four copies should be returned to this office.

If any part of this amendment does not meet with your approval, the original and all copies should be returned with your suggested changes.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encl.

SRickef:gh
cc: Finance Off., Reg. II
Geo. Mavor
R. M. Smith
Opr. Com., DMEA, Wash., D.C.
File

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/31	Chapman	400
1/31	Martin	400
2/1	Talbert	800
2/4	Selfridge	130
"	Johnson	110
"	Blattenberger	100
		C 220
		225

FEB 4 1957

Mr. Spangler Picker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4240 - 2.5 Tungsten
John J. Thrasher, et al.
Stormy Fraction claims, et al.
Pershing County, Nevada
Contract No. Idm-E979

Dear Mr. Picker:

Enclosed are the original and five copies of a proposed Amendment No. 2 to the above referenced contract, signed by the Administrator for the Government. Two extra copies are enclosed for the use of the Field Team.

If the terms and conditions of the proposed amendment are satisfactory to you and the Operator, all six copies should be signed by the Operator and the usual distribution made.

If any part of the proposed amendment does not have your approval or that of the Operator and cannot be altered within your delegated authority, the original and all copies are to be returned to this office, together with the proposed changes for consideration.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

N. E. Nelson

Member, Geological Survey

TLChapman:am 1-31-57
cc to: Docket
Code 400
Adm. Read. File
Oper. Comm.
FT REG II
Messrs. R. Holliday, USBM
T. Kiilsgaard, USGS

Enclosure

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
1/23	Chapman	400
1/23	Martin	400
		140

January 23, 1957

MEMORANDUM

To: Associate Solicitor, Division of Mineral Resources

From: Iron and Ferro-Alloys Division, DMEA

Subject: Docket No. DMEA 4240 - Tungsten
John C. Thrasher, Helen C. Thrasher, and
Robert E. Taaffe
Stormy Fraction claims, et al.
Pershing County, Nevada
Contract No. Idm-E979

Attached is a rough draft of a proposed Amendment No. 2 to the above-captioned contract for your use in preparing in final form.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

Attachment

TLChapman:foc
1/23/57
cc to: Docket
Code 400

RECEIVED
JAN 24 1957
ASSOC. SOLICITOR
MINERAL RESOURCES

Notice of Location of the above mng claims, to which reference is hereby made for a more complete description, are recorded in the official records of Pershing Cty., Nevada. The general location of all the mng. claims described in the contract is shown on the attached map, entitled "Southern Portion of Mining Claims owned by J. J. Proctor ..... Pershing Cty, Nevada.

EXPLORATION PROJECT CONTRACT
JOHN J. THRASHER, ET AL.
DOCKET NO. DMEA 4240

AMENDMENT NO. 2

It is agreed this _____ day of _____, 1957, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration and John C. Thrasher, Helen C. Thrasher, and Robert E. Taaffe, that Exploration Project Contract No. Idm-E979 (Docket No. DMEA 4240), dated July 23, 1956, as amended, is further amended as follows:

3. In Article 2 of the Contract, the following unpatented lode mining claims situated in Pershing City, Nev., owned by the Operator are added to Annex No. 1 of the Contract.

Name	Book No.	Page No.
Extension	10	155
Extension No. 1	10	156
Extension No. 2	10	156
Extension No. 3	10	430
Extension No. 4	15	241
Extension No. 5	1	97
Stormy Day Fraction No. 3	10	92
Stormy Day Fraction No. 4	10	93

The general location of ~~these~~ all the claims in the contract are ~~is~~ shown on ~~accompanying~~ the map Figure 1, ~~known as the~~ entitled "Southern Portion of Mining Claims owned by [illegible]" Thrasher ~~property~~, Pershing County, Nevada.

4. In Article 1 (a) of the contract ~~here~~, the completion date of the Contract is extended to January 23, 1958.

3. In Article 1 (b) of the contract, ~~form delete~~ "24,120.00" and "$18,090.00" ~~and substitute therefor totals~~ of $57,253.80 and $42,940.12 ~~which comprise, $22,953.50 and $17,215.12 respectively, from Report of Review,~~ dated December 4, 1956, plus $34,300.00 and $25,725.00 respectively for the work described hereinafter.

4. The period for royalty payments and liens to secure them ~~payment thereof, as provided in the Contract~~ is extended to eleven (11) years.

5. ~~In the Contract and Amendments thereto the contract is divided into three stages. Stage I having been completed, Stages II and III to be subject to the approval of the Government.~~

EXHIBIT A

Description of the Work

Two maps are attached to this amendment:

Figure 1, Southern Portion of Mining Claims owned by J. J. Thrasher, and R. E. Taaffe, Pershing County, Nevada.

Figure 6, Proposed Work, Amendment No. 2, Thrasher Mine.

STAGE I

As completed, Bulldozing access road and tunnel site, drifting and crosscutting, timbering and assaying.

STAGE II

Bulldoze ~~an~~ access road and diamond drill sites, with a D-8 bulldozer or equivalent, 225 hours of bulldozing.

Diamond drill 8 diamond drill holes at or near sites indicated on Figure 6, ~~These holes to be~~ AX in size, and ~~each to be approximately~~

Number of holes each hole will be approximately

200 feet in depth, ~~at direction and course indicated.~~ and the Total depth not to exceed 1,600 feet. drilling shall The holes shall be cemented and redrilled, and reamed out if, as necessary.

Assay 25 samples for WO_3 from mineralized zones.

STAGE III

~~This stage is to be dependent on the results of Stage II and shall have the approval of the Government.~~

Crosscut and drift 600 feet, and ~~to be~~ timbered as necessary. It is estimated ~~to amount to~~ that 150 feet of timbering, which required, ~~crosscuts and drift to be~~ 5 feet by 7 feet in the clear.

Assay 25 samples for WO_3 from mineralized zones.

E

Estimated Cost of the Project
~~Actual~~ Unit Costs
Trip

~~STAGE I~~

Cost of Stage I ~~As completed as~~ (per Report of Review) ~~$22,953.80~~

$22,953.80

STAGE II

Bulldoze ~~approximately 8,500 feet of access road and drill sites,~~ 225 hours at $14.00/hr. ~~Included all costs of operation.~~	$3,150.00	
Diamond drill 1,600 feet at $6.50/ft. the mineralized Includes cementing and redrilling and reaming and casing (the cost, if any, that is necessary)	10,400.00	
Assaying 25 samples for WO_3 at $4.00 each sample	100.00	
Estimated total for Stage II		$13,650.00

STAGE III

Crosscut and drift 600 feet at $32.50/ft.	$19,500.00	
Timbering 150 feet at $7.00/ft.	1,050.00	

Assaying 25 samples for WO_3 at $4.00 each	$100.00	
Estimated total for Stage III		$20,650.00
Estimated total cost for the project		$57,253.50
Government participation at 75 percent		$42,940.12

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By_____
Administrator, Defense Minerals
Exploration Administration

John C. Thrasher, Helen C. Thrasher
and Robert E. Taaffe

By_____

OFFICIAL FILE COPY DMEA RECEIVED JAN 28 1957		
DATE	INITIALS	CODE
1-28	C	220
		~~400~~
		225
Memorandum		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Washington 25, D. C.

Date January 23, 1957

DMEA Docket No. 4240
DMEA Contract No. Idm-E979
Commodity Tungsten
Name of applicant John J. Thrasher, et al
Name of property Stormy Fraction claims, et al
Location of property Pershing County, Nevada
Estimated cost of project

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Br. of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: Review of Supplemental Application Report
(Application, Field Team Report, etc.)

1. Date of subject document: 1/7/57. 2. Date received by reviewer: 1/11/57.

3. Prior reports on this property known to reviewer: Yes [X] No [ ]

4. Prior reports on nearby properties known to reviewer: Yes [ ] No [X]

5. Information available on past production: Yes [ ] No [X]

6. Other pertinent factors known to reviewer: Yes [ ] No [X]

7. Explain items marked yes above: Subject report reviews previous DMEA Exploration.

8. Factors needing special consideration:
   a. Location [ ]
   b. Ownership [ ]
   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 [X]
      i. 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) Additional exploration on adjacent property is recommended. I concur in the recommendation.

R W Holliday
R. W. Holliday

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 17 1957

DATE	INITIALS	CODE
1-17	aw	220
		225

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

January 16, 1957
Re: DMEA 4240 Idm-E979
John J. Thrasher, et al
Stormy Fraction, etc. claims
Pershing County, Nevada
Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report and recommendation for additional work.

The applicants were awarded a contract for exploratory work in a scheelite-bearing tactite zone. The work was successful in indicating about 32,000 tons of 0.5% WO_3 material.

It is now requested that assistance be given in exploring another section of the same contact zone about 3,500 feet north of the work done under contract Idm-E979.

Preliminary work, including diamond drilling, suggests the surface showing is not as promising as that which prompted the work under Idm-E979, but the all around potential of the zone justifies the requested assisted work, especially as the new project area would become a part of the project area of DMEA 4240.

I concur with the recommendation of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

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

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 9 1957

DATE	INITIALS	CODE
		130
1/14		110
1-15	CL	220
		225

1605 Evans Avenue
Reno, Nevada

January 7, 1957

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher, et al
Stormy Fraction claims, et al
Pershing County, Nevada
Contract No. Idm-E979

On site eval Supp.

Enclosed are four copies of a supplementary application report on subject project by H. W. Jones, Bureau of Mines and R. G. Reeves, Geological Survey in which is recommended additional exploration on adjoining claims.

Roscoe Smith and I concur in the recommendation.

S. Ricker

Encl.

Received
DMEA Office of [illegible]
1-14-57
(date)

BUREAU OF MINES
WASHINGTON, D. C.

JAN 9 9 04 AM '57

OFFICIAL FILE COPY
D M E A
RECEIVED JAN 9 1957

DATE	INITIALS	CODE
		130

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

SUPPLEMENTAL APPLICATION REPORT

DMEA-4240, Idm-E979 (Tungsten)
John Thrasher, Helen Thrasher, and Robert Taaffe
Thrasher mine, Pershing County, Nevada

by

Henry W. Jones
U. S. Bureau of Mines

Robert G. Reeves
U. S. Geological Survey

January 3, 1957

Reviewed by
DMEA OPERATING COMMITTEE
1-14-57
(date)

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Previous DMEA Exploration	3
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Proposed Additional Exploration	5
Exploration Costs	7

ILLUSTRATIONS

Figure 1 . . . . . Claim map

2 . . . . Geologic sketch map - Stormy Day claims

3 . . . . . Geologic cross section

4 . . . . . Geologic map - underground workings

5 . . . . . Geologic sketches of crosscuts

6 . . . . . Geologic sketch map - Extension claims

INTRODUCTION

On November 5, 1956, Mr. John Thrasher, Mrs. Helen Thrasher, and Mr. Robert Taaffe, owners and operators of the Thrasher tungsten mine, Pershing County, Nevada, requested an amendment to their contract, DMEA-4240, Idm-E979, for additional exploration on the Extension and Extension Nos. 1 to 4 claims (fig. 1). The Stormy Day mine (Stormy Day Nos. 1 and 5 claims) was explored with DMEA assistance (DMEA-2825, Idm-E521) and a discovery certified. Exploration of the southern part of the Thrasher mine (Stormy Day 3, 4, 7, 8, 9, and 10, and Stormy Day Fraction 1 and 2 claims) was completed under contract Idm-E979. An examination was made by Henry W. Jones, U. S. Bureau of Mines, and Robert G. Reeves, U. S. Geological Survey, accompanied by Mr. John H. Uhalde, representing the operator, to evaluate the results of the completed exploration and the request for additional exploration.

CONCLUSIONS AND RECOMMENDATIONS

As a result of the exploration program, about 32,000 tons of indicated ore averaging 0.5 percent WO_3 content was discovered. It is recommended that a certificate of discovery be issued on the Thrasher mine. The probability of discovering additional ore on the northern extension of the granite-limestone contact is quite

favorable, due to its similarity with the contact farther south at the Stormy Day and Thrasher ore bodies. Therefore, it is further recommended that the request for supplemental assistance to explore the contact be granted.

PROPERTY AND OWNERSHIP

The property consists of 34 unpatented lode mining claims held by location by the applicants, of which eight were included in the original application. Five additional claims are included in the supplemental application. In order to make the two areas contiguous, it was agreed to by the applicant to include two intervening claims. Part of the recommended exploration is within a few feet of the property boundary; to protect the Government's interest as well as their own, the applicants staked another claim (Extension No. 5) to be included in the project. These claims, with the book and page number, are as follows:

Claim name	Book	Page
Extension	10	155
Extension No. 1	10	156
Extension No. 2	10	156
Extension No. 3	10	430
Extension No. 4	15	241
Extension No. 5	1	97
Stormy Day Fraction No. 3	10	92
Stormy Day Fraction No. 4	10	93

PREVIOUS DMEA EXPLORATION

The access road and exploration adit driven under contract Idm-E979 was started August 9 and was completed November 2, 1956 at a cost of $22,953.00, of which the Government contributed $17,214.75. The project was designed to explore for the downward continuation of surface scheelite indications and the extension of tungsten mineralization in a previously drilled diamond drill hole. The adit was driven northeasterly for 224 feet from a previously selected site. The granite-limestone contact was intersected at 212 feet and a drift turned north at this point to follow the contact for an additional 290 feet. Three crosscuts totaling 65 feet were driven westerly at the 279-, 362-, and 483-foot points along the adit. A drift was driven southerly for 70 feet along the ore zone at the adit 196-foot point. A total of 650 feet of drifts and crosscuts were completed and the contact explored for 355 feet. Scheelite ore was noted along the full length of the exposed contact.

The main mineralized zone is from 15 to more than 20 feet wide and consists of alternating layers of scheelite-bearing tactite separated by layers of barren tactite, calc-silicate hornfels, or silicated limestone. This zone is about 20 feet west of the contact along the northern major part of the drift, but in the south it is within a few feet of the contact, separated by silicated and silicified

limestone. A continuous ore layer from 1-1/2 feet to 5 feet wide, averaging 3 feet wide, is exposed along the footwall of the mineralized structure for 355 feet. This same layer is cut in a diamond drill hole 100 feet below the drift for a total depth of 300 feet down dip below the surface. Using these figures (strike length 355 feet, depth of 300 feet and 3 feet wide) and using a factor of 10 cubic feet per ton, the minable body contains an indicated 32,000 tons of 0.5 percent WO_3 content ore, or 16,000 units of WO_3.

Other ore layers are exposed within the tactite structure from 1 to 5 feet thick that range from 0.2 to 1.6 percent WO_3 content. They, however, are discontinuous and cannot be inferred as ore reserves.

The mine is presently idle.

SAMPLING

The underground workings were thoroughly lamped and samples were taken in areas that indicated consistent mineralization.

Sample No.	Length, feet	Percent WO_3	Description
356	3.0	0.01	35-ft. point of drift, scattered scheelite in silicified limestone and tactite.
357	1.0	0.24	Oxidized material on granite-limestone contact 212-ft. point.
358	2.3	1.60	Partial sulfide zone in silicified limestone at drift 195-ft. point.
359	5.0	0.15	Thin banded limestone and tactite at drift 170-175-ft. point.

Sample No.	Length, feet	Percent WO_3	Description
387	3.0	0.25	Oxidized tactite at south drift and main drift intersection.
388	6.0	0.80	30-ft. point of south drift, tactite with considerable pyrrhotite and pyrite, slightly oxidized.
389	5.5	0.79	20-25.5 ft. point No. 2 crosscut hard tactite, pyrrhotite and pyrite.
390	2.0	0.07	32-ft. point No. 2 crosscut, hard, banded tactite, scattered mineralization.
391	1.5	0.51	8-ft. point No. 3 crosscut garnet-rich tactite.
392	1.7	0.19	3-ft. point No. 4 crosscut, garnet-rich tactite.
393	4.0	0.55	Very hard tactite, streaked with garnet.
394	---	0.04 ?	General dump sample of stockpiled material.

PROPOSED ADDITIONAL EXPLORATION

The Operator requested an amendment to allow for exploration of the Extension claims by 460 feet of crosscutting and 200 feet of drifting. The total cost of the additional work, including 3,000 feet of access road building, was estimated by the Operator to be $26,760.00. The proposed exploration area is about 3,000 feet north of the Thrasher mine adit (fig. 3).

During the summer of 1954, the Modoc Mines and Exploration Co. drilled three diamond drill holes along the west side of the

circular granite stock on the Extension claim (fig. 6). The two northern holes were collared in granite; the -40° hole intersected the contact and reportedly cut ore, but the -55° hole was in granite for 180 feet. The southern hole was collared in limestone and reportedly cut scheelite mineralized tactite. None of the drill logs or assays were available.

A few small test pits were dug along the perimeter of the granite stock, however, no work was completed on the assumed more favorable main contact further up the slope of the hill. The size and nature of the target is based mainly on the ore structure discovered farther south along the contact. The Extension claim contact is similar to that in the Thrasher mine vicinity, and where exposed by surface cuts, contains approximately the same grade and width of scheelite material.

Four samples were taken at locations noted on the map and assayed for WO_3 content. Results are as follows: No. 383, less than 0.01 percent; No. 384, less than 0.01 percent; No. 385, 0.05 percent; and No. 386, 0.22 percent. These samples are of oxidized and leached surface material; and, as on the Stormy Day 3 and 4 claims, are not believed to be representative of the ore deposit.

A revised diamond drilling program was suggested. If results were favorable, this would be followed by second stage

crosscutting and drifting at the best location agreed to by the Field Team and the Operator. The modified exploration program consists of bulldozing an access road to the drill sites, and diamond drilling a total of 8 holes from four selected sites (fig. 2). Holes 1 and 2 are to be drilled at a -30 degrees and a vertical dip from site No. 1 on the east edge of the granite stock. Holes 3, 4, 5, 6, 7, and 8 are to be drilled at a -30 degrees dip from sites 2, 3, and 4 to test the main contact for 1,000 feet along the most favorable area. It is estimated the 8 holes would average 200 feet long for a total drill footage of 1,600 feet.

If scheelite-bearing bodies are cut in the drill holes, then Stage II should be entered into at a location agreed on by the Field Team to further explore them. Stage II is to consist of a crosscut and drifts totaling 600 feet.

The revised program has been discussed with, and is agreeable to, the applicant.

EXPLORATION COSTS

The revised exploration program recommended by the Field Team would cost $34,275.00, of which the Government would participate in 75 percent of the costs, or $26,456.25.

The costs are derived from the previously submitted estimates.

Stage I

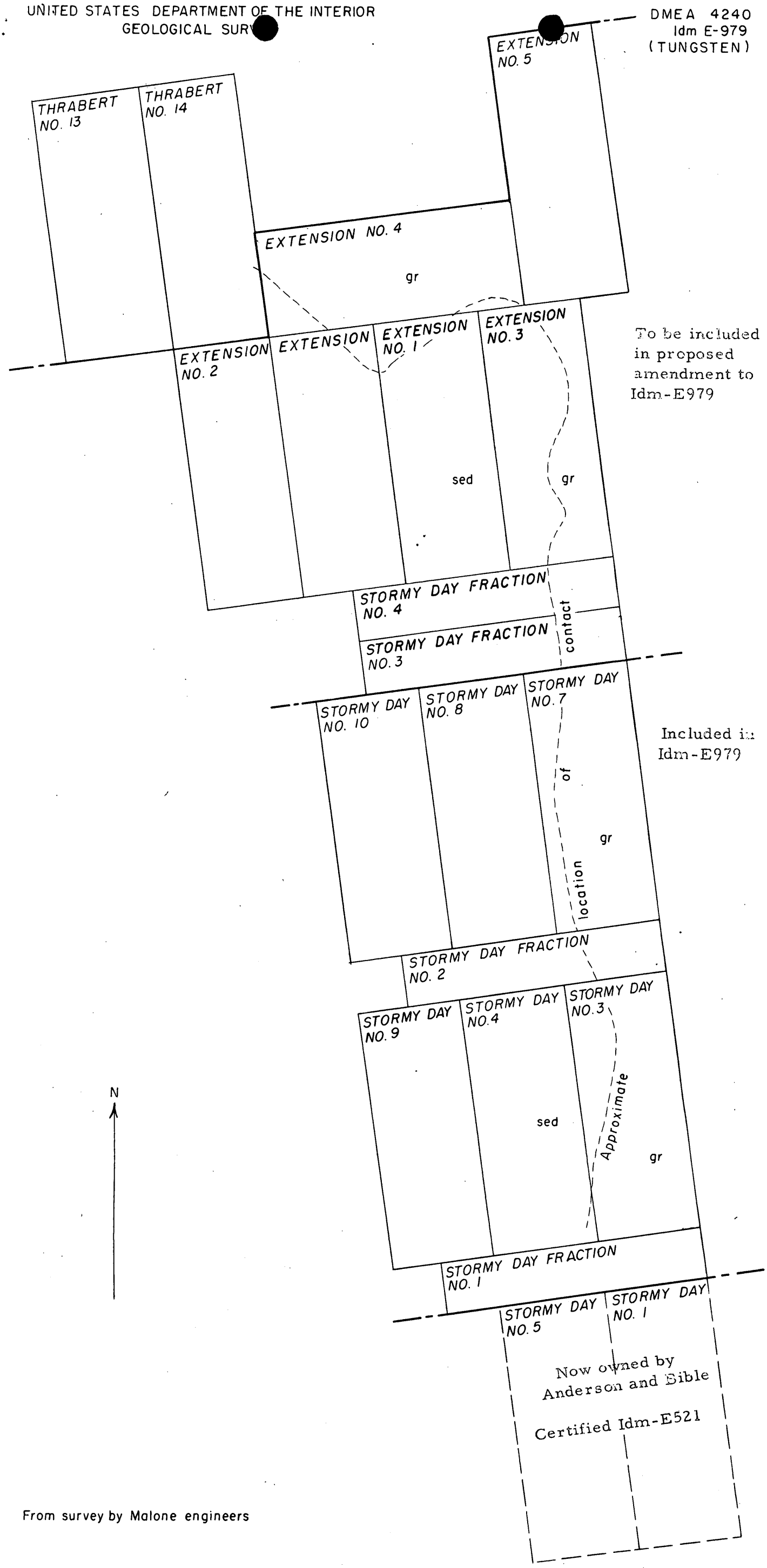
Bulldoze 2,500-ft. maximum access road @ $1.25/ft. (D-8 Caterpillar, or equivalent)	$ 3,125.00
Diamond drill (contract) 1,600 ft. @ $6.50/ft. (AX size)	10,400.00
Total, Stage I	$13,525.00

Stage II

Crosscut and drift 600 ft. @ $32.50/ft. (Dimensions 5 ft. by 7 ft. in the clear)	$19,500.00
Timbering of drift, 150 ft. @ $7.00/ft.	1,050.00
Assaying 50 samples for WO_3 content @ $4.00/ea.	200.00
Total, Stage II	$20,750.00
Total cost of entire project	$34,275.00

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
Idm E-979
(TUNGSTEN)



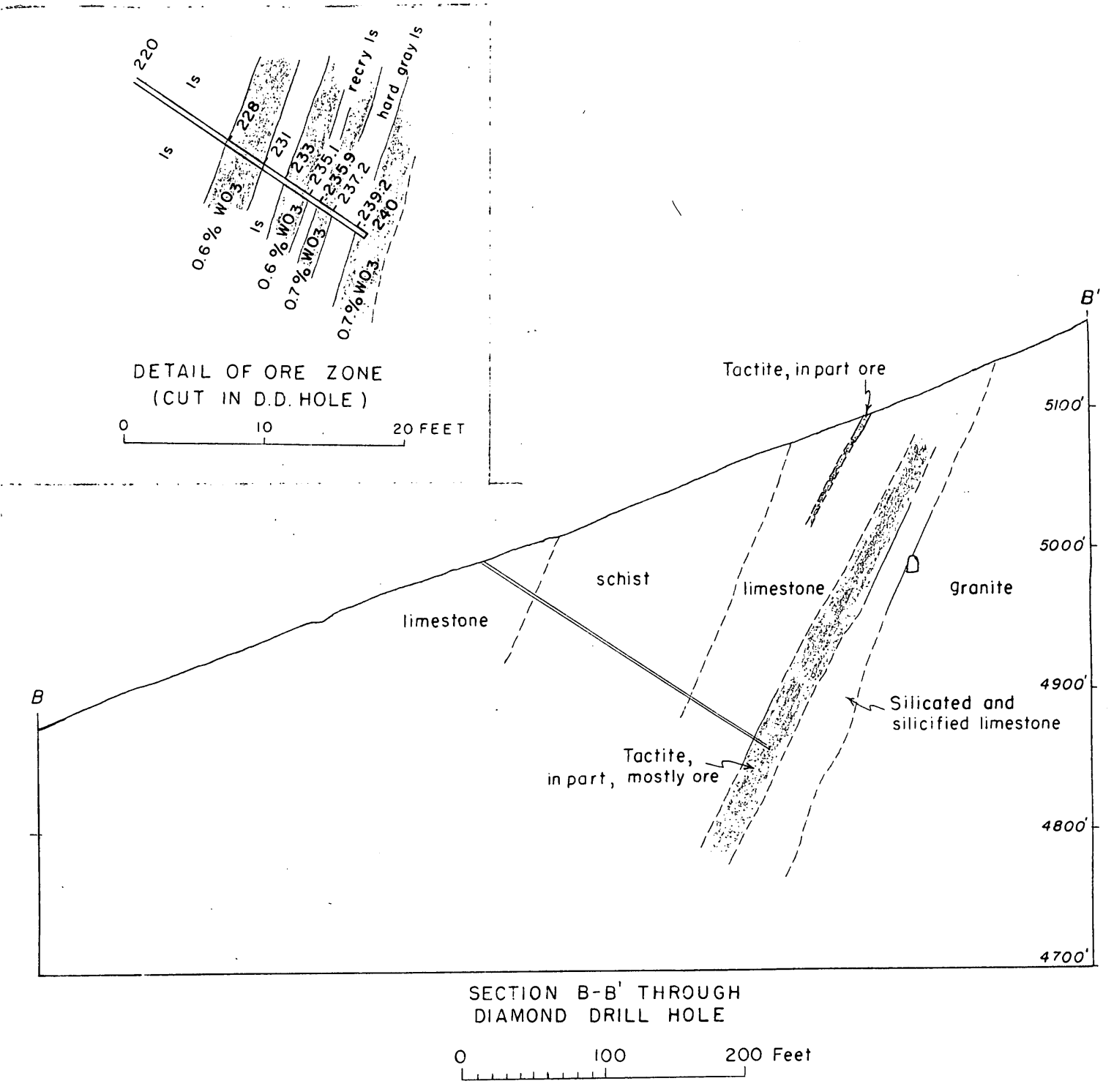
From survey by Malone engineers

Figure 1. SOUTHERN PORTION OF MINING CLAIMS OWNED BY J. J. THRASHER AND R. E. TAAFFE PERSHING COUNTY, NEVADA

0 600 1200 1800 FEET

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
ldm E-979
(TUNGSTEN)



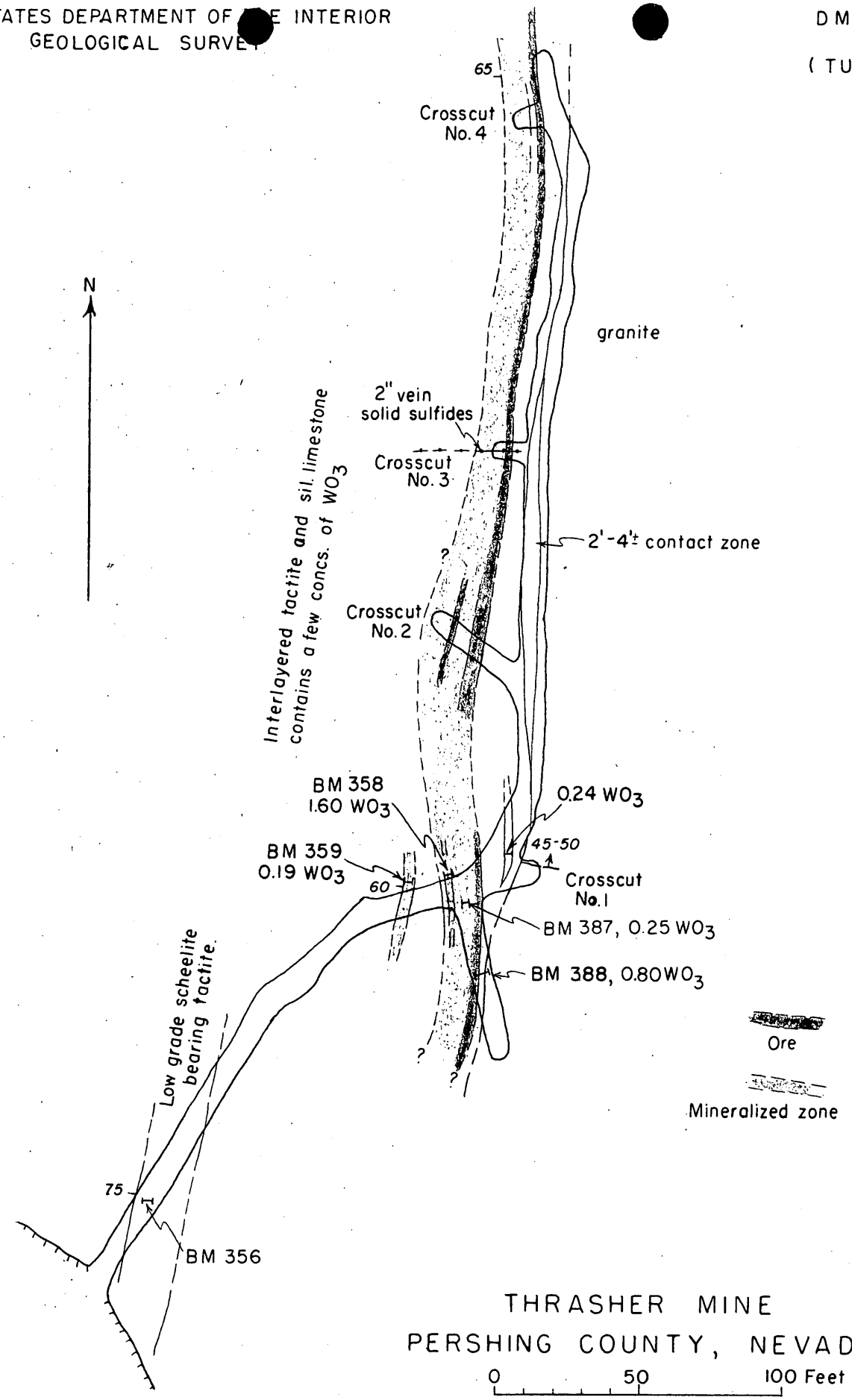
SECTION B-B' THROUGH
DIAMOND DRILL HOLE

STORMY DAY NO. 3 CLAIM, PERSHING COUNTY, NEVADA

Figure 3

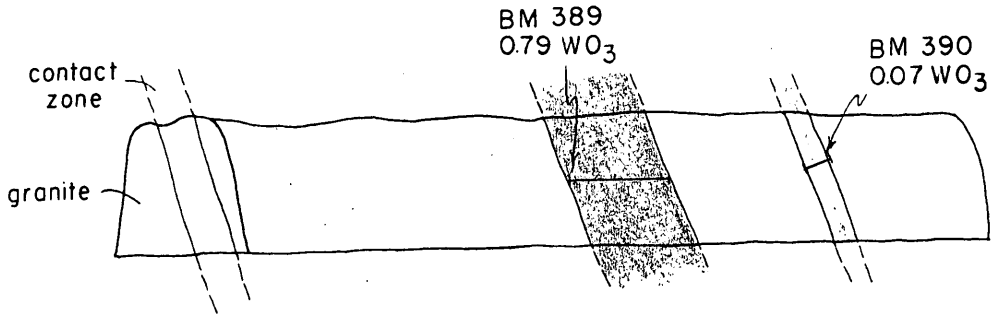
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
Idm E-979
(TUNGSTEN)

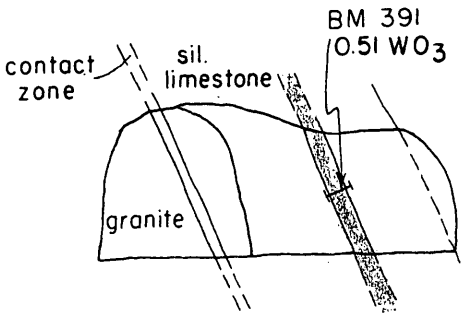


THRASHER MINE
PERSHING COUNTY, NEVADA

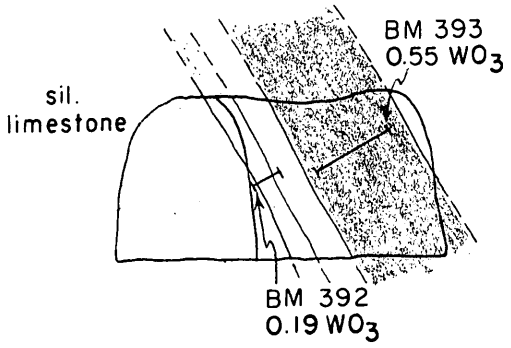
Figure 4



CROSSCUT NO. 2



CROSSCUT NO. 3



CROSSCUT NO. 4

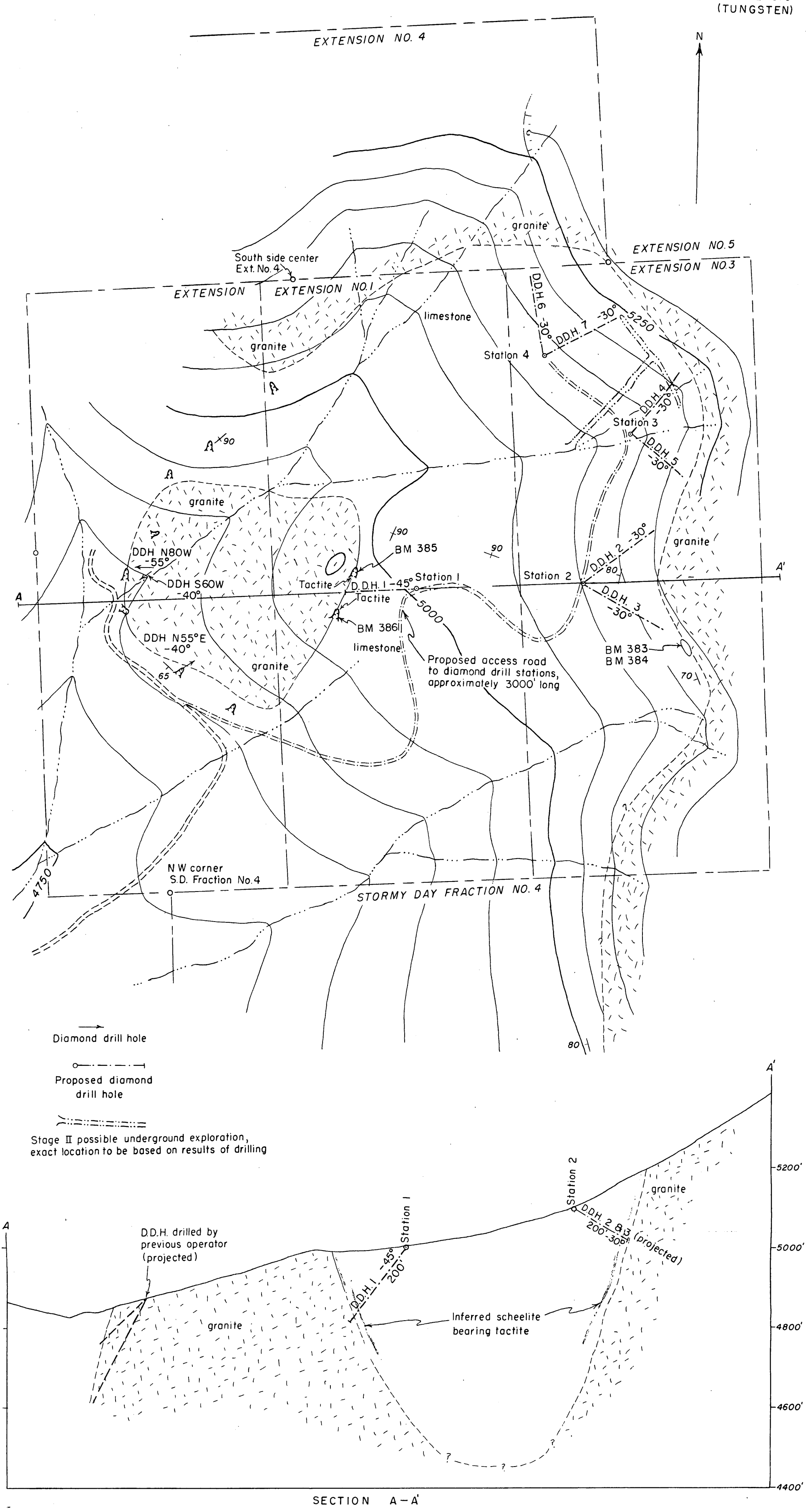
THRASHER MINE CROSSCUTS (MAPPED LOOKING SOUTH)
PERSHING COUNTY, NEVADA

0 10 20 30 Feet

Figure 5

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
ldm E-979
(TUNGSTEN)



THRASHER MINE, PERSHING COUNTY, NEVADA

0 200 400 600 FEET

Figure 6

R. McEa

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

RECEIVED
OCT 29 1956

1605 Evans Avenue
Reno, Nevada

October 26, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D.C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher, et al
Stormy Fraction claims, et al
Pershing County, Nevada
Contract No. Idm-E979

Reference is made to copy of my letter of October 22, 1956 which referred to Amendment No. 1 to subject contract.

The amendment has been executed by the Operators and the original and two copies are enclosed. The remaining copies have been distributed in the usual manner.

B. H. Sheahan
for
S. Ricker

Encl.

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

RECEIVED
OCT 25 1956

1605 Evans Avenue
Reno, Nevada

October 22, 1956

Mr. John J. Thrasher
Gerlach, Nevada

Re: Docket No. [illegible]-4240 (Tungsten)
John J. Thrasher, et al
Storey Fraction claims, et al
Pershing County, Nevada
Contract No. Idn-1979

Dear Mr. Thrasher:

Enclosed are the original and five copies of a proposed Amendment No. 1 to referenced exploration contract, signed by the Executive Officer, Defense Minerals Exploration Administration, Region II, for the Government.

If the terms and conditions of the proposed Amendment are satisfactory to you, all six copies should be signed by you and your partners. The copy marked "Operator's Copy" should be retained by you and the original and other four copies should be returned to this office.

If any part of this Amendment does not meet with your approval, the original and all copies should be returned to this office with your suggested changes.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encl.

SRicker:gh
cc: Opr. Com., DMEA, Wash., D.C.
Finance Office, Reg. II
Geo. Mavor
R. M. Smith
File

RECEIVED
AUG - 6 1956

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

1605 Evans Avenue
Reno, Nevada

August 3, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher, et al.
Stormy Fraction claims, et al
Pershing County, Nevada
Contract No. Idm-E979

Subject contract has been executed by the Operator in accordance with your letter of July 24, 1956. Attached are the original and two copies. The remaining copies have been distributed in the usual manner.

S. Ricker

Attach.

Docket

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

JUL 30 1956

Copy retained 400

1605 Evans Avenue
Reno, Nevada

July 27, 1956

Mr. John J. Thrasher
Gerlach, Nevada

W3M

Re: Docket No. DMEA-4240, Tungsten
John J. Thrasher, et al
Stormy Fraction claims, et al
Pershing County, Nevada

Dear Mr. Thrasher:

Enclosed are the original and five copies of a proposed contract for an exploration program at the above-referenced property, signed by the Administrator for the Government, together with Annex I (1 page), Exhibit "A" (1 page), and 3 maps.

If the terms and conditions of this contract are satisfactory to you, all six copies should be signed by you and your partners. The copy marked "Operator's Copy" should be retained by you and the original and the other four copies should be returned to this office.

If any part of this contract does not meet with your approval, the original and all copies should be returned to this office with your suggested changes.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Encl.

SRicker:gh

cc: Opr., Com., DMEA, Wash., D.C.
Finance Off., Reg. II
R. M. Smith
Geo. Mavor
File

400

Holt
Chapman
Talbot
Selfridge
H. Johnson
Martin

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

JUL 24 1956

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-4240, Tungsten
John J. Thrasher, et al.
Stormy Fraction claims, et al.
Pershing County, Nevada

Dear Mr. Ricker:

Enclosed are the original and five copies of a proposed contract for an exploration program at the above-referenced property, signed by the Administrator for the Government, together with Annex I (1 page), Exhibit "A" (1 page), and 3 maps. Two extra copies of Exhibit "A" and of the annex and maps are enclosed for the use of the Field Team.

If the terms and conditions of this proposed contract are satisfactory to you and the operator, all six copies should be signed and the usual distribution made.

If any part of this proposed contract does not meet with your approval or that of the operator and cannot be amended within your delegated authority, the original and all copies of the proposed contract are to be returned to this office, together with the proposed changes for consideration.

Under Article 1, the starting date has been left blank and is to be filled in when the contract is signed by the operator.

Sincerely yours,

George C. Selfridge (Ey ESF)

Chairman, Operating Committee

Enclosures

APPROVED:

P. F. Yopes

Member, Bureau of Mines

N. E. Nelson

Member, Geological Survey

cc: Docket
Code 400
Oper. Comm.
Adm. Read. File
Thor Kiilsgaard, USGS
R. W. Holliday, USBM
FT, Region 2

SPHolt/ls
7/19/56

R.G.H.

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

July 23, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Estimated unit cost of assaying
Docket No. DMEA-4240, Tungsten
John J. Thrasher
Stormy Fraction claims, et al.
Pershing County, Nevada

In the contract proposed on the above-subject property, in raising to $4.00 per tungsten assay the price of $3.00 recommended by the Field Team, the small number of samples and the consequent lack of justification for installing assaying equipment at the project have been taken into account.

Similarly, a custom assayer would not give a special rate for assaying so few samples.

Costs of assaying at comparable projects are as high, or higher, and in this area we have found lower costs only where operating companies already have their own assaying installations.

W S Martin
W. S. Martin, Chief
Iron and Ferro-Alloys Division

DOCKET
SURNAME
Holt
Chapman

400

July 5, 1956

MEMORANDUM

To: Associate Solicitor, Division of Mineral Resources

From: Iron and Ferro-Alloys Division, DMEA

Subject: Preparation of contract
Docket No. DMEA 420 - Tungsten
John J. Thrasher, et al.
Stormy Day Fraction Claims, et al.
Pershing County, Nevada

Transmitted herewith is a draft of a proposed contract for the captioned project for your use in preparing the contract in final form.

T. L. Chapman, Acting Chief
Iron and Ferro-Alloys Division

Attachment

SPHOLT/foc
7/5/56
cc to: Docket
Code 400

EXPLORATION PROJECT CONTRACT
JOHN J. THRASHER, ET AL.
DOCKET NO. DMSA-4240
ANNEX I

The land referred to in Article 2 of the contract consists of 8 unpatented lode mining claims (Figure 2), located in T. 30 N., R. 24 E., (projected), M. D. B. and M., Hooker Mining District, Pershing County, Nevada, as follows:

Claim Name	Book No.	Page No.
Stormy Day Fraction 1	15	238
Stormy Day Fraction 2	15	238
Stormy Day No. 3	10	92
Stormy Day No. 4	10	93
Stormy Day No. 7	10	129
Stormy Day No. 8	10	130
Stormy Day No. 9	10	131
Stormy Day No. 10	10	131

The recording references are to location notices recorded in the official records in the Pershing County Courthouse at Lovelock, Nevada.

EXPLORATION PROJECT CONTRACT
JOHN J. THRASHER ET AL.
DOCKET NO. DMEA 4240

EXHIBIT "A"

Description of the Work

The maps attached to and made part of the contract are as follows:

Fig. 1. Location Map, Thrasher Property, Pershing County, Nevada.

Fig. 2. Thrasher Mine Property Map, Pershing County, Nevada.

Fig. 3. Thrasher Mine, Pershing County, Nevada.

Proposed Work

Program consists of bulldozing an access road, approximately 1,200 feet long, preparing an adit portal, and driving approximately 650 feet of adit drift. (Figure 3).

Adit drift shall be commenced at or near the point marked "Adit Portal" (Figure 3), and driven in a northeasterly direction, along or near the contact between schist and/or limestone and granite. Size of the adit drift shall be not less than 5 feet by 7 feet in cross-section in the clear, and shall be timbered as necessary.

Estimated Costs of the Project

Fixed Unit Costs

Bulldozing 110 hours @ $14.00/hour	$1,540.00
Drifting 650 feet @ $32.50/feet	21,125.00
Timbering drift, 165 feet @ $7.00/ft.	1,155.00
Assaying, 75 samples for WO_3 @ $4.00/sample	300.00
Total estimated cost	$24,120.00
Government participation at 75%	$18,090.00

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

1605 Evans Avenue
Reno, Nevada

June 26, 1956

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher, et al
Stormy Fraction claims et al
Pershing County, Nevada

We appreciate the suggestions of R. W. Holliday and N. E. Nelson referred to in your letter of June 18, 1956, and they meet with our approval. It is evident from recent inspection of ground and the map attached to application report, that drifting on ore structure is the logical method of exploration.

The attached map shows approximate location of portal of tunnel and road to tunnel site. We suggest that a maximum of $1,500 be allotted to road construction. Terrain is rugged and considerable blasting will be required.

S. Ricker

Attach.

RECEIVED
JUN 28 1956

400

DOCKET
Surname:
Chapman
Martin
Hefman
Matthews

JUN 18 1956

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA-4240, Tungsten
John J. Thrasher, et al.
Stormy Fraction claims, et al.
Pershing County, Nevada

Dear Mr. Ricker:

Reference is made to your letter of May 23, 1956, with attached Field Team report of examination, of the same date, by Henry W. Jones, U. S. Bureau of Mines, and R. G. Reeves, U. S. Geological Survey, covering the subject application.

Enclosed are reviews of the above-mentioned Field Team report by N. E. Nelson, U. S. Geological Survey, and R. W. Holliday, U. S. Bureau of Mines, dated June 7 and June 13, respectively. It will be appreciated if you will give us your comments on the alternative work programs suggested therein, which appear to merit careful consideration.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

Enclosures

APPROVED:

/s/ Robert W. Geehan

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

cc: Docket
Code 400
Oper. Comm.
Adm. Read. File
T. Kiilsgaard, USGS
R. W. Holliday, USBM
FT, Reg. 2

WSMartin/ls
6/15/56

Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

June 13, 1956

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Subject: Docket No. DMEA-4240
John J. Thrasher, et al
Trasher Property
Pershing County, Nevada
$28,505-Tungsten

Copy retained

Subject application proposes 550 feet of cross cut and 300 feet or more of drift at a total cost of $28,505.

The sketch map (figure 3) indicates an outcrop of the southern tactite exposure at an elevation of 5000 feet which is only 100 feet above the proposed cross cut.

If local conditions are such that the full length (850 - feet) of tunnel can be driven in the tactite zone without excessive cost, I would be inclined to favor such a procedure even at the expense of the extra 100 foot depth.

In either case I concur in the recommendation that the Government enter into an exploration contract with John J. Thrasher, et al.

R W Holliday
R. W. Holliday

RECEIVED
JUN 14 1956

Doc head

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

June 7, 1956

Re: DMEA 4240
J. J. Thrasher, et al.
Thrasher property
Pershing Co., Nevada
App. Est. $17,920.00
Recom'd.Est. 28,505.00
Tungsten

WSM

Memorandum

Copy retained 400

To: W. S. Martin, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team report.

The applicants requested assistance in developing by extending a 100-foot crosscut adit, a tactite zone which by surface cuts, diamond drilling and mining in the Stormy Day, an adjoining property, has been shown to be scheelite-bearing.

A drill hole cuts the ore-bearing tactite zone 300 feet south of the proposed crosscut and about 40 feet below the elevation of the adit. An ore zone at least 11½ feet wide assaying 0.33% WO_3 is indicated by the drill hole.

The examiners recommend that the crosscut be extended as proposed by the applicant and, in addition recommend 300 feet of drifting.

Reference to the map, Fig. 3, of the examiners' report, suggests that a better exploratory project would be obtained by drifting in the tactite zone from the draw 850 feet south of the adit portal. The 850 feet of proposed work would explore the tactite zone for that distance and carry beyond the most northerly point to be reached by the drifting recommended. Roadmaking from the present crosscut portal to a new portal site and, probably, stripping at the site would be required.

I certainly agree that work is warranted, but from the information at hand, would not do 550 feet of crosscutting if the suggested drifting is reasonably feasible.

Referral to the Field Team for an opinion is recommended.

N. E. Nelson

N. E. Nelson

Docket

RECEIVED
MAY 28 1956

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

1605 Evans Avenue
Reno, Nevada

May 23, 1956

Memorandum

WSM

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4240 (Tungsten)
John J. Thrasher, et al
Thrasher Property
Pershing County, Nevada

Reference is made to your letter of April 20, 1956 relative to subject docket.

Attached are four copies of a report by Henry W. Jones and Walter Bank, Bureau of Mines and R. G. Reeves, Geological Survey in which a DMEA project at an estimated cost of $28,505.00 is recommended.

Roscoe Smith and I concur in the recommendation.

SRicker

Attach.

Reviewed by
DMEA OPERATING COMMITTEE
6-4-56
(date)

Docket 4240
Thrasher

Maps - Figures 1 and 4
removed for photostating,
to be returned

S.P.H.
7.3.66

RECEIVED
MAY 28 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4240, Thrasher Property
Pershing County, Nevada
(Tungsten)

ON SITE EXAM.

Henry W. Jones
Walter Bank
Mining Engineer
U. S. Bureau of Mines

R. G. Reeves
Geologist
U. S. Geological Survey

May 23, 1956

Reviewed by
DMEA OPERATING COMMITTEE
6-4-56
(date)

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Ore Deposits	6
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Proposed Exploration	7
Exploration Costs	8

ILLUSTRATIONS

Fig. 1 - Location map, Thrasher Property, Pershing County, Nevada

Fig. 2 - Stormy Day No. 3 claim

Fig. 3 - Thrasher mine, Section A-A'; geologic sketch map

Fig. 4 - Claim map

RECEIVED
MAY 28 1956

INTRODUCTION

Mr. John Thrasher, Mrs. Helen C. Thrasher, and Mr. Robert E. Taaffe, Gerlach, Nevada, applied for Government assistance in a $17,920.00 program under the Defense Minerals Exploration Administration, docket number 4240, to explore for tungsten at the Thrasher Property, Pershing County, Nevada. A strong mineralized zone occurs along a granite-limestone contact and considerable scheelite float is noted in some localities. A drill hole cut ore of minable width at depth on the southern end of the holdings. The Operator wishes to explore this zone by means of a crosscutting and drifting program. A previous successful loan was granted on the adjacent claims to the south (docket No. DMEA-2925, Stormy Day Mine, contract No. Idm-E521), where mining is currently in progress.

A field examination was requested by the Operating Committe, and made by Henry W. Jones and Walter Bank, Bureau of Mines and R. G. Reeves, Geological Survey, accompanied by Mr. Thrasher. The property was lamped and mapped, and samples were taken of the available outcrops, on April 25, 1956.

CONCLUSIONS AND RECOMMENDATIONS

The Thrasher property is the northern extension of the Stormy Day Mine. The examination indicates similar mineralization and geological structures as that found at the Stormy Day, and a discovery of com-

mercial ore is probable.

The applicant proposed to explore the property by (1) surface bulldozer trenching across the southern tactite exposures, and (2) continue an existing 100 foot crosscut another 480 feet to intersect the ore bearing tactite.

Upon discussion and agreement with the applicant, the bulldozing was eliminated and additional crosscutting and drifting were included. The present exploration proposal is to (1) extend the crosscut for 550 feet, and (2) drift along the tactite structure for 300 feet or more, applying any unused crosscut footage to drifting. The present site is the most logical point to start work because of the availability of the 100-foot crosscut. The program will require 9 months to complete and the Government's share of the estimated total cost of $28,505.00 would be $21,378.75.

It is recommended that the Government enter into an exploration contract with John J. Thrasher, et al., and that the contract work be based on unit costs in order to facilitate administration.

LOCATION, ACCESSIBILITY AND LOCAL RESOURCES

The Thrasher claims are in an unsurveyed part of northern Nevada in T. 30 N., R. 24 E., M.D.B.&M. projected. They are in the Hooker Mining District, Pershing County, on the west side of the Selenite range at an altitude of about 5000 feet.

The property is reached by traveling north from Wadsworth, Nevada (the juncture of U.S. Highway 40 and State Highway 34) for 63 miles; thence east 2.7 miles on dirt road to the Stormy Day mine. A steep bulldozed road extends 0.6 miles north from the Stormy Day ore bunker to the Thrasher crosscut.

Except for infrequent intervals during winter months, the road is accessible to year round travel. Labor for small operations is available at Gerlach, Nevada which is 17 miles north of the mine. Water is available from springs at the Stormy Day mine. Supplies, materials, and lumber can be obtained at Reno, Nevada, about 87 miles to the south. There is no housing on the property.

PROPERTY AND OWNERSHIP

The property consists of 34 unpatented lode mining claims that trend northward along the base of the Selenite Range from the Stormy Day mine. They are held by location by the applicants and are recorded in the Pershing County Courthouse at Lovelock, Nevada. Eight claims (fig. 4) are to be included in the application and are listed as follows:

Stormy Day Fraction 1 and 2	Book 15, page 238
Stormy Day No. 3	Book 10, page 92
Stormy Day No. 4	Book 10, page 93
Stormy Day No. 7	Book 10, page 129
Stormy Day No. 8	Book 10, page 130
Stormy Day No. 9	Book 10, page 131
Stormy Day No. 10	Book 10, page 131

The work will be done by contract under the supervision of Mr. Thrasher. He is well qualified because of his previous prospecting and operating experience in the district. The applicants are reported to be in sound financial condition and can adequately handle their share of the costs.

HISTORY, PRODUCTION, AND DEVELOPMENT

Scheelite was first discovered by John J. Thrasher in the vicinity of the Stormy Day mine in late 1941. Small adits and test pits were dug along the contact for an overall distance of about three miles but most of the work was concentrated on the south end of the holdings. The Stormy Day claims Nos. 1, 2, 5, and 6 were sold to Dr. Fred M. Anderson and associates prior to December 1, 1953. They completed the DMEA drifting, crosscutting, and diamond drill-program, and placed the mine in production. During the summer of 1954, the Modoc Mines and Exploration Co., a Nevada corporation, obtained a lease and option on the Thrasher group of claims and the Stormy Day claims and completed some additional diamond drilling. One hole drilled on the application area showed favorable mineralization. The hole unfortunately was terminated in ore, due to lack of operational funds. The option was dropped and no further work completed on the Thrasher Group until the Spring of 1956 at which time the applicant completed 100 feet of crosscutting.

GENERAL GEOLOGY

The Thrasher mine is on the steep and rugged western slope of the Selenite Range. The mine area is underlain by metasedimentary rocks of Paleozoic age, consisting originally of interbedded carbonate and fine-grained clastic rocks, that have been intruded by granite (fig. 3). The carbonate rocks, originally limestones and dolomites, have been metamorphosed to marble and coarsely crystalline dolomite, and near the contact with the granite have been silicated with the development of quartz, large clinozoisite (?), and other silicate minerals, to form a calc-silicate hornfels. The fine-grained clastic rocks in large part have been metamorphosed into schists and, near the igneous contact, to hornfels. Tactite lenses have been formed mainly in the metasedimentary rocks, mostly 10 to 25 feet from the contact with the granite. Tactite lenses have been formed, to a lesser extent, in the granite, up to 25 feet from the contact with the metasedimentary rocks; these lenses are probably completely metamorphosed septa of sedimentary rock enclosed in the granite.

The metasedimentary rocks dip from 55° to 70° west and strike northerly; in the southern part of the area they strike N. 40° E. and dip 60° to 70° NW.

The contact between the metasedimentary rocks and granite is mainly concordant, although in some places the strata are crosscut.

Apophyses of the granite extend for several hundred feet into the metasediments as dikes and sills.

ORE DEPOSITS

The ore deposits consist of scheelite-, molybdenite-, and ferro molybdite-bearing tactite lenses. The ore lenses are from 4 to 10 feet wide and over 100 feet in vertical and horizontal distance.

The grade of the ore is from 0.7 to slightly over 1.0 percent WO_3. Similar lenses explored by DMEA-2925 1/ and by mining in the Stormy Day mine, which adjoins the Thrasher mine on the south, are from 50 to 80 feet long and 120 feet along the dip of the bed.

The ore is reported to average around 0.7 percent WO_3 2/. Where cut in a diamond drill hole 275 feet below the surface, 11 feet of the ore zone consists of alternating ore and waste, which averages 0.33 percent WO_3 (fig. 2). The ore segments assayed 0.6 and 0.7 percent WO_3. The full thickness of the ore zone is unknown as the hole bottomed in ore.

SAMPLING

The contact was thoroughly lamped at night along the outcrop and contact for 2500 feet. Two samples were taken on available showings.

1/ Jones, H. W., and Pampeyan, E. H., 1954, Stormy Day mine, Pershing County, Nev.: DMEA-2925 Final Report.

2/ Uhalde, John : oral communication.

Sample No.	Width	%, WO_3	Description
307	33"	0.23	Oxidized tactite near face of No. 2 adit. Granite contact not encountered.
308	Grab	0.68	Outcrop 100 feet north of gully, character sample of outcrop. No prospect pits in immediate area.

Mineralization on these showings, along with that obtained in the drill hole, indicate excellent possibilities of discovering additional ore bodies along the contact area.

ORE RESERVES

The area to be explored is inferred to contain 18,000 tons of 0.7 percent WO_3 ore in a block 6 feet wide, 100 feet long, and 300 feet down the dip. Other lenses that are indicated by surface exposures along the contact north and south of the area to be explored are inferred to contain 36,000 tons of ore of about the same grade. Total inferred reserves of the property are 54,000 tons of 0.7 percent WO_3 ore. Ore in place is estimated to occupy 10 cubic feet per ton.

PROPOSED EXPLORATION

It is recommended that the proposal be modified to eliminate the surface bulldozer trenching and include an additional 370 feet of crosscutting. and drifting.

The area along the contact is too steep and rugged for efficient use of a bulldozer and the contact is already sufficiently well located and

exposed by surface prospecting. The drifting is needed to determine the length of the ore body. The crosscut will intersect the ore zone at about 300 feet down the dip below the surface, and will be much more economical than exploring by shaft to that depth.

It is recommended that the crosscut be extended for 550 feet, or 50 feet beyond the contact between metasedimentary rocks and granite, to make sure that it is the main contact and not a contact between the metasedimentary rock and an offshoot of the main granite body and to test for parallel ore bodies in the granite. A total of 850 feet of crosscut and drift is recommended: any excess crosscut footage could be utilized in drifting; conversely, any additional crosscut footage required could be taken from the amount allocated for drifting. This modified proposal has been discussed with, and is agreeable to, the applicant.

EXPLORATION COSTS

The operator expects to contract the work at a maximum cost of $32.50 per foot. For this price the contractor is expected to furnish the necessary mining equipment , labor and supplies. The breakdown of the cost is estimated as follows:

Depreciation of Equipment necessary for mining:

		Est. Cost	
1	Compressor, 155 c.f.m. or larger	$ 5,000	
1	Jackleg drill, complete	800	
1	Mucking machine	3,000	
2	Ore cars @ $100/ea	200	
1	Air receiver	150	
1	Pickup truck (part time use) (Est. value $2,000)	1,000	
			$10,150

$$\frac{\$10,150.00}{60 \text{ mos.}} = \$169.00/\text{mo.}$$

Detailed cost breakdown of proposed exploration: Est. 4.0 feet advance per day.

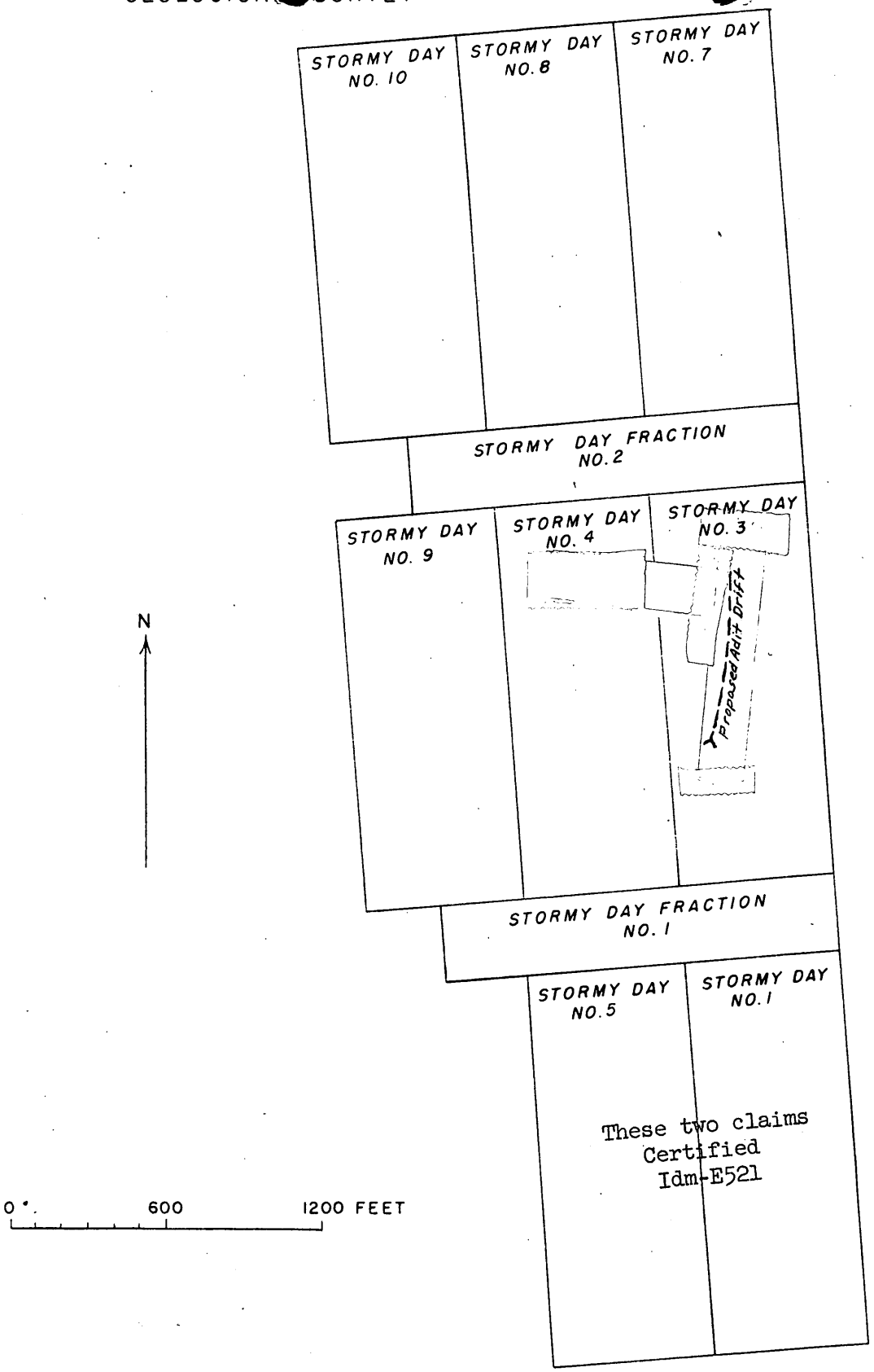
Labor and supervision		
2 Miners @ $2.55/hr., 6 day week $234.00/wk - 36 weeks	$ 8,424.00	
1 Supervisor, bookkeeper and part time miner - $550/mo. - 9 mos.	4,950.00	
	$13,374.00	
$\frac{\$13,374.00}{850}$ = $15.73/foot		$15.73
Operating materials and supplies		
Explosives, caps and fuse	$3.95	
Drill steel and bits	2.00	
Track, fishplates, bolts, crossties	1.20	
Airline, waterline and vent tubing	1.41	
Power, deisel, gasoline, oil	2.00	
Incidentals, carbide, airhose, water hose, shovels, picks, etc.	0.15	
		$10.71
Operating equipment		
Depreciation on equipment		$ 1.79
Miscellaneous		
Maintenance and repairs	$0.20	
Payroll taxes, ins., FICA, etc.	1.88	
Contingencies	2.20	
		$ 4.28
Crosscutting and drifting		$32.51
rounded to		$32.50

Summary of exploration costs

1.	Crosscut 550 feet to and through the limestone-granite contact @ $32.50/ft.	$17,875.00
2.	Drift 300 feet along contact (unused crosscut footage to be applied to drifting) @ $32.50/ft.	9,750.00
3.	Provide 100 feet of timber sets as needed @ $7.00/ft.	700.00
4.	Provide 60 samples at $3.00/ea.	180.00
	TOTAL	$28,505.00
	Government participation @ 75%	$21,378.75

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
(TUNGSTEN)



THRASHER MINE PROPERTY MAP
PERSHING COUNTY, NEVADA

Figure 2

RECEIVED
MAY 28 1956

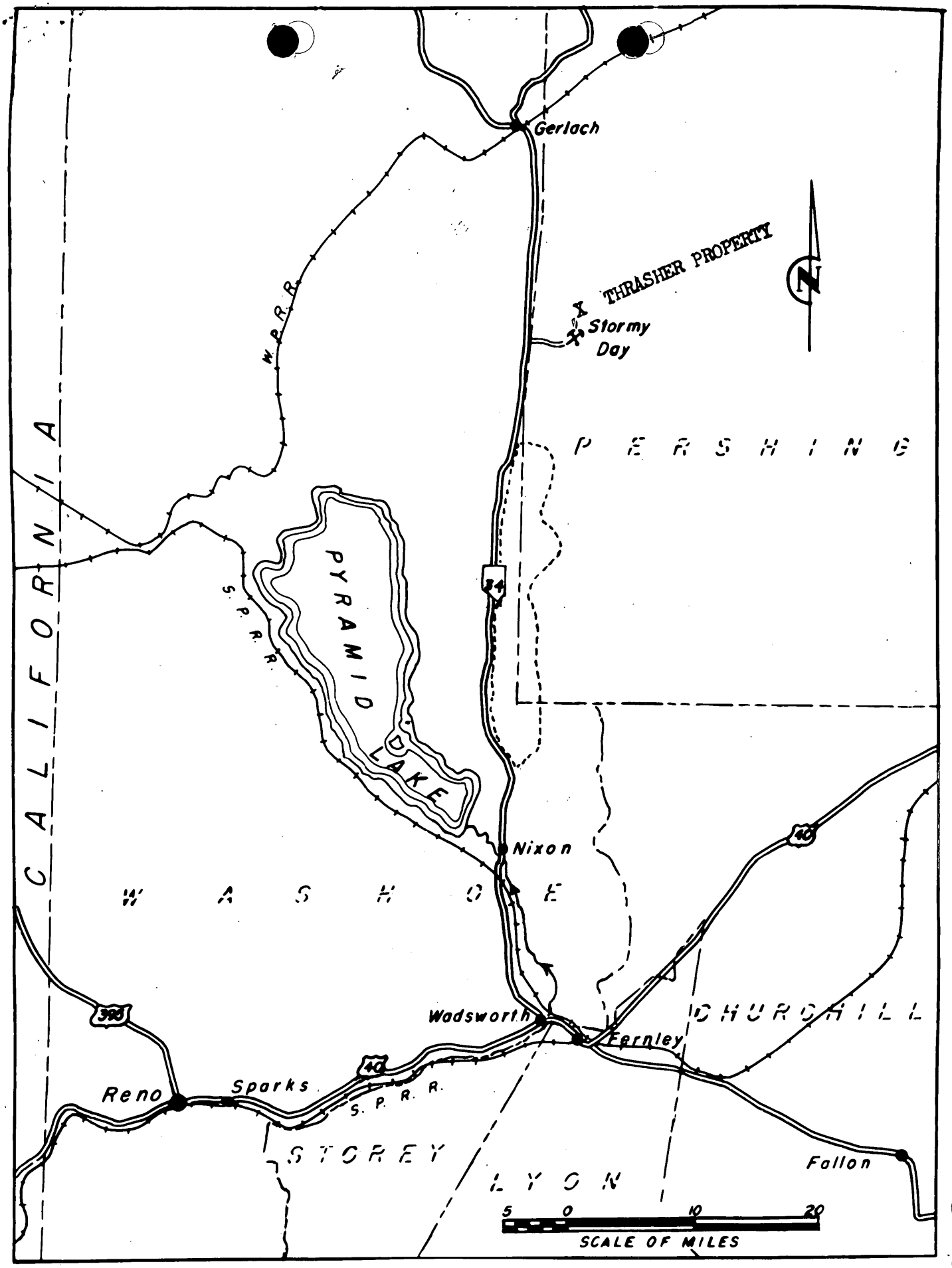


FIG. 1 LOCATION MAP, THRASHER PROPERTY, PERSHING COUNTY, NEVADA

DMEA - 4240

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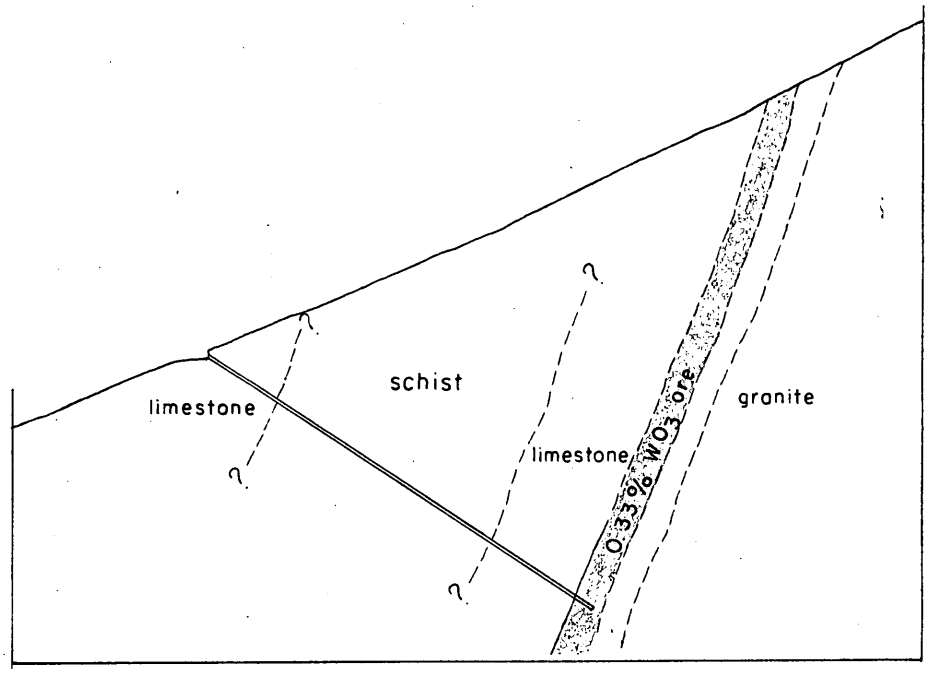
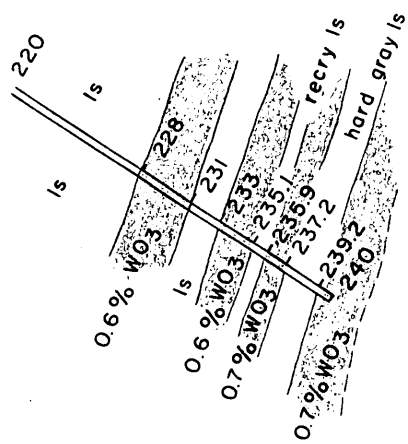
MAY 2 8 1956



SECTION THROUGH D.D. HOLE
DIRECTION OF HOLE, N. 80° E

0 100 200 FEET



DETAIL OF ORE ZONE
(CUT IN D.D. HOLE)

0 10 20 FEET

STORMY DAY NO. 3 CLAIM, PERSHING COUNTY, NEVADA

Figure 2

RECEIVED
MAY 28 1956

DOCKET
SURNAME
Martin

400

MAY 3 1956

Hon. Cliff Young
House of Representatives
Washington 25, D. C.

My dear Mr. Young:

This will acknowledge receipt of your letter of May 1, 1956, requesting information regarding the current status of an application for exploration assistance for tungsten, submitted by Mr. and Mrs. J. J. Thrasher, Gerlach, Nevada, our Docket No. DMEA 4240. The land proposed for exploration includes 34 mining claims, which we identify as the Thrasher Property, in the Hooker Mining District, on the west side of the Selenite Range, commonly called Limbo Range, in Pershing County, Nevada.

On April 20, 1956, as we advised Mr. and Mrs. Thrasher by letter of the same date, we referred their application to Mr. Spangler Richmr, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for review and possibly a field examination of the property. The Thrashers will be advised if a field examination is considered necessary, but that depends on how much information about the property is already available to the Field Team as a result of our former project at the adjacent Stormy Day Mine.

Please be assured that the Field Team will report to us promptly and that the application will have our thorough consideration.

Sincerely yours,

C. O. Mittendorf

Administrator

WSMartin/fec
5/3/56
cc to: Docket
Code 400
Admr. Read. File
Operating Comm.
FT. REG. II
R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

CLIFF YOUNG
REPRESENTATIVE AT LARGE
NEVADA

WASHINGTON ADDRESS:
421 HOUSE OFFICE BUILDING

Congress of the United States
House of Representatives
Washington, D. C.

COMMITTEE ON
INTERIOR AND INSULAR AFFAIRS

SUBCOMMITTEES:
INDIAN AFFAIRS
PUBLIC LANDS
MINES AND MINING
IRRIGATION AND RECLAMATION
TERRITORIES AND INSULAR AFFAIRS

May 1, 1956

WSM

RECEIVED
MAY 2 - 1956

Mr. C.O. Mittendorf
Administrator
Defense Minerals Exploration Agency
Department of the Interior
Washington 25, D.C.

Dear Mr. Mittendorf:

I am writing in behalf of Mr. and Mrs. J.J. Thrasher, Gerlach, Nevada, who have filed application for exploration assistance Docket No. D.M.E.A. 4240.

Any information you may furnish me with regard to the current status of this case will be greatly appreciated.

With kind personal regards.

Sincerely,

Cliff Young

Cliff Young
Member of Congress

CY/b

DOCKET
SURNAME

400 Chapman
Martin
Selfridge
Ferguson
Nathedorf

APR 20 1956

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4240 - Tungsten
John J. Thrasher, et al.
Thrasher Property
Pershing County, Nevada

Dear Mr. Ricker:

The above docketed application for exploration assistance is being referred to your office for review and a possible field examination of the property.

Copies of memoranda dated April 9 and 13, 1956, by N. E. Nelson, Geological Survey, and R. W. Holliday, Bureau of Mines, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Enclosure

APPROVED:

/s/ Robert W. Geehan (RWG)
Member, Bureau of Mines

Thor H. Kiilsgaard (THK)
Member, Geological Survey

TLChapman/foc / 4/18/56
cc to: Docket
Code 400
Admr. Read. File
Operating Comm.
FT. REG. II
R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

R.C.L.

DOCKET
SURNAME
Chapman
Martin
Gehon
Kiilsgaard
Selfridge
Fitzgerald

400

APR 20 1956

Mr. John J. Thrasher
Gerlach, Nevada

Re: Docket No. DMEA 4240 - Tungsten
Thrasher Property
Pershing County, Nevada

Dear Mr. Thrasher:

The above docketed application for exploration assistance for tungsten ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and is being referred to Mr. Spangler Ricker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for review and a possible field examination of the property.

The Field Team will advise you if a field examination is considered necessary, and any assistance that you may give the examining engineers will be appreciated.

Sincerely yours,

D. O. Mitchell (for)

Administrator

TLChapman/fec
4-18-56
cc to: Docket ✓
Code 400
Admr. Read. File
Operating Comm.
FT. REG. II
R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

A.C.L.

Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
APR 16 1956

April 13, 1956

WSM

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Subject: Application
Docket No. DMEA 4240
Stormy Fraction and Stormy Day Group
Extension Group, Thrabert Group and
North End Group
Pershing County, Nevada
John J. Thrasher, Helen C. Thrasher and Robert C. Taaffe
Gerlach, Nevada
$17,920-Tungsten

Subject application appears to be the result of considerable work including a 252 foot drill hole, however, it is too brief to give a clear picture of the geology or of the work proposed. A more complete report, both on the geology and on the proposed work is needed.

Referral to the field team for appropriate action is recommended.

R W Holliday
R. W. Holliday

Copy retained 400

Docket

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
APR 11 1956

April 9, 1956

Copy initialed 400

Re: DMEA 4240
J. J. & Helen C. Thrasher and
R. E. Taaffe
The Thrasher property
Pershing Co., Nevada
$17,920.00 - Tungsten

W. S. Martin

WSM

Memorandum

To: W. S. Martin, Defense Mineral Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

The applicants request assistance in exploring a tactite zone by bulldozing and crosscutting. Probably the tactite zone to be explored is an extension of a zone discovered and mined by the applicant on the Stormy Day claim.

The application says two strong outcroppings of ore grade material show on the Stormy Day No. 3 claim and the zone is ore bearing where cut at a depth of 252 feet by a drill hole.

The proposed extension of a crosscut is expected to cut the zone at an intermediate depth, that is, 186 feet below the outcrop.

The proposed work consists of:

Bulldozing 80 hrs at $14.00	$1,120.00
Crosscutting 480 ft. at $35.00	16,800.00
	$17,920.00

Unless drifts are driven in the tactite zone where and if intersected by the crosscut, the exploratory value of the crosscut will be small, the development value great.

Referral to the Field Team for appropriate action is recommended.

N. E. Nelson

Copy initialed 400

N. E. Nelson

RECEIVED
APR 2 - 1956

April 6, 1956
Subject: DMEA-4240
Re: Exploration Assistance
Thrasher Property

Mr. John J. Thrasher
Gerlach, Nevada

My dear Mr. Thrasher:

The receipt of your application dated (undated) for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4240 and referred to the Iron & Ferro-Alloys 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

April 6, 1956

Memorandum

To: Executive Officer, DMEA Field Team, Region II

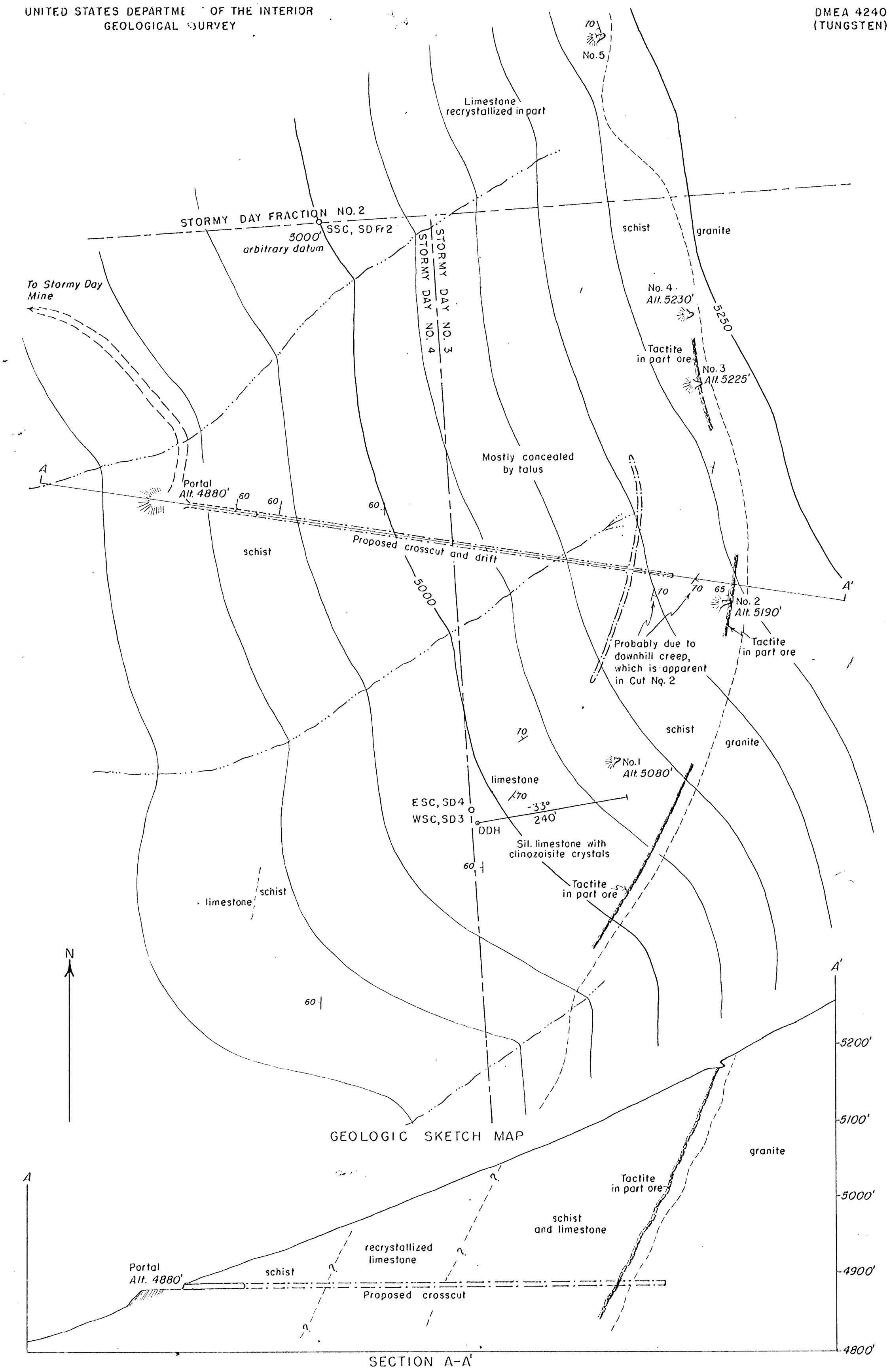
From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region II.

DMEA
- 4240 John J. Thrasher, et al

Robert E. Adams
Chief, Operation's Control
and Statistics Division



THRASHER MINE, PERSHING COUNTY, NEVADA

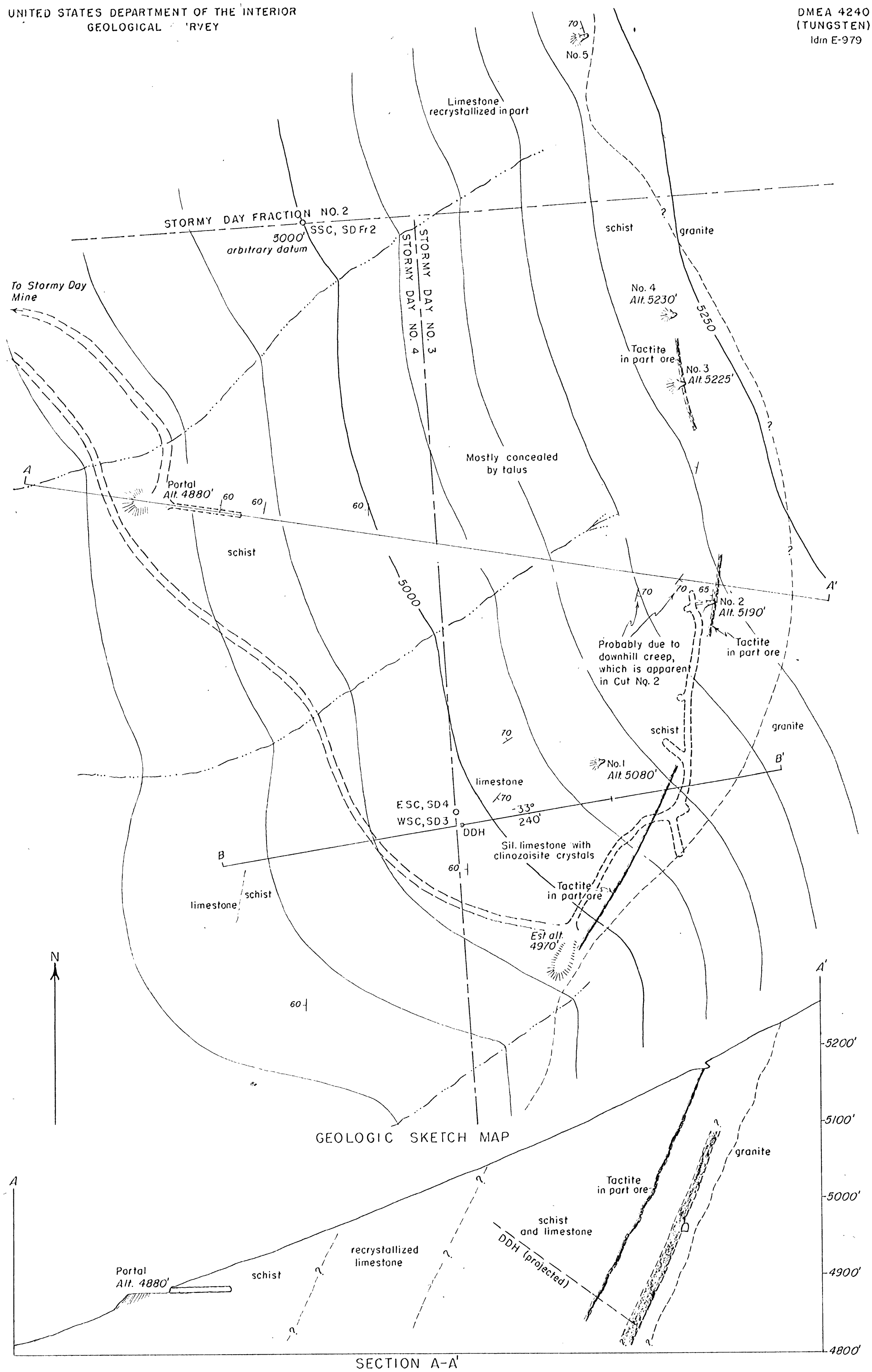
0 100 200 300 Feet

Contour interval 50 feet

Figure 3

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 4240
(TUNGSTEN)
Idm E-979



THRASHER MINE, PERSHING COUNTY, NEVADA

0 100 200 300 Feet

Contour interval 50 feet

Figure 2

PROPOSED DIAMOND DRILLING

THRASHER PROPERTY
CORDERO MINING COMPANY

PERSHING COUNTY, NEVADA

Scale: 1 in = 100 ft.
0 50' 100' 200'

May 20, 1957

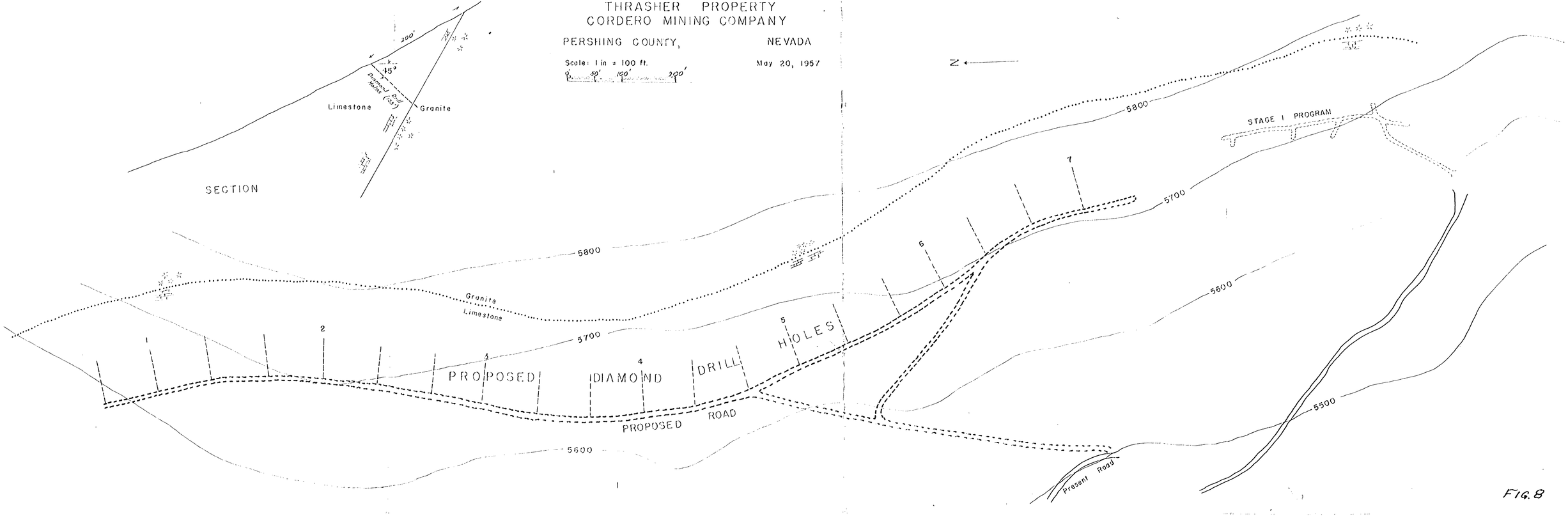
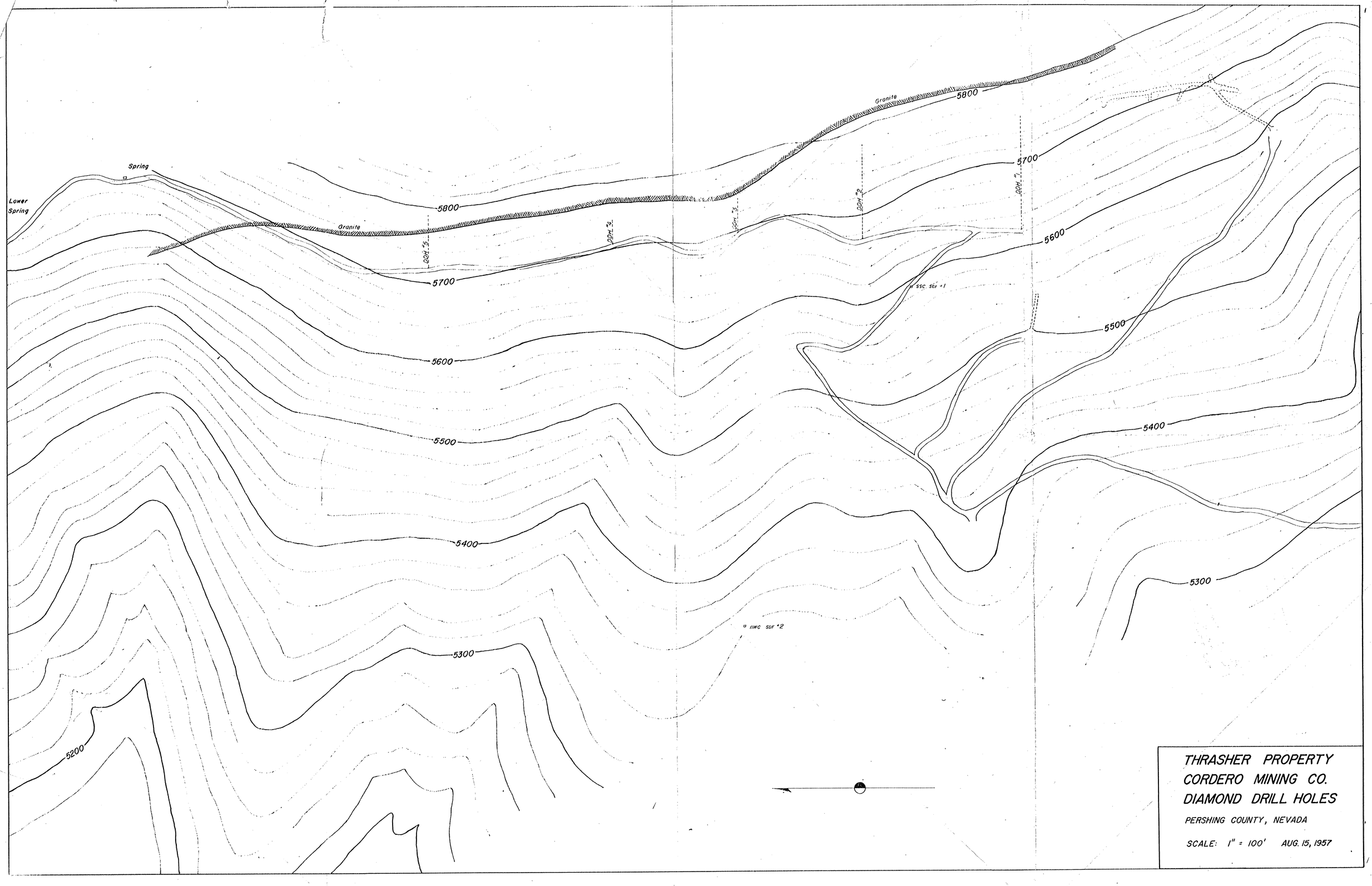


FIG. 8


Spring
Lower Spring
Granite
Granite
5800
5800
5700
5700
5600
5600
5500
5500
5400
5400
5300
5300
5200
DDH #3
DDH #3
DDH #3
DDH #2
DDH #1
SSC Str #1
NWC SDF #2
THRASHER PROPERTY
CORDERO MINING CO.
DIAMOND DRILL HOLES
PERSHING COUNTY, NEVADA
SCALE: 1" = 100' AUG. 15, 1957

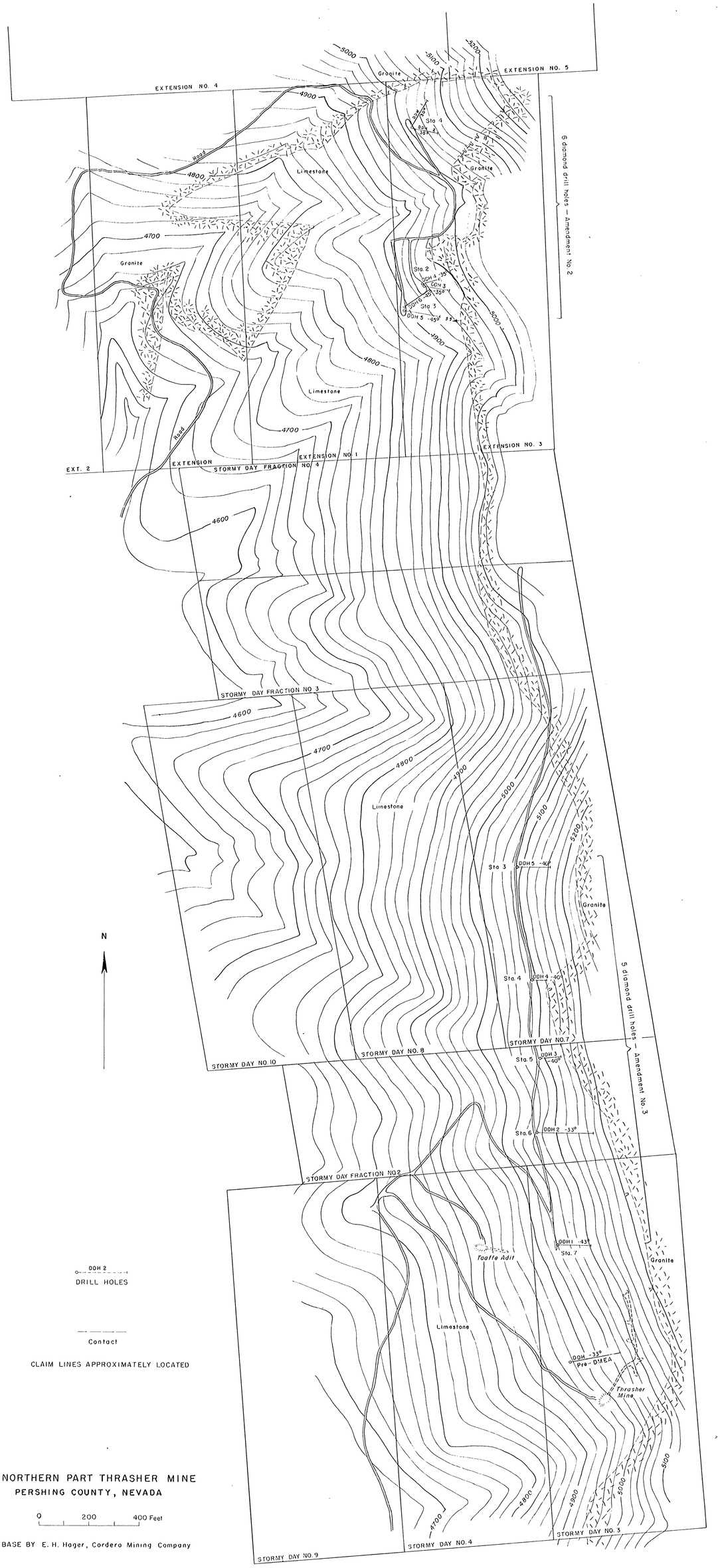
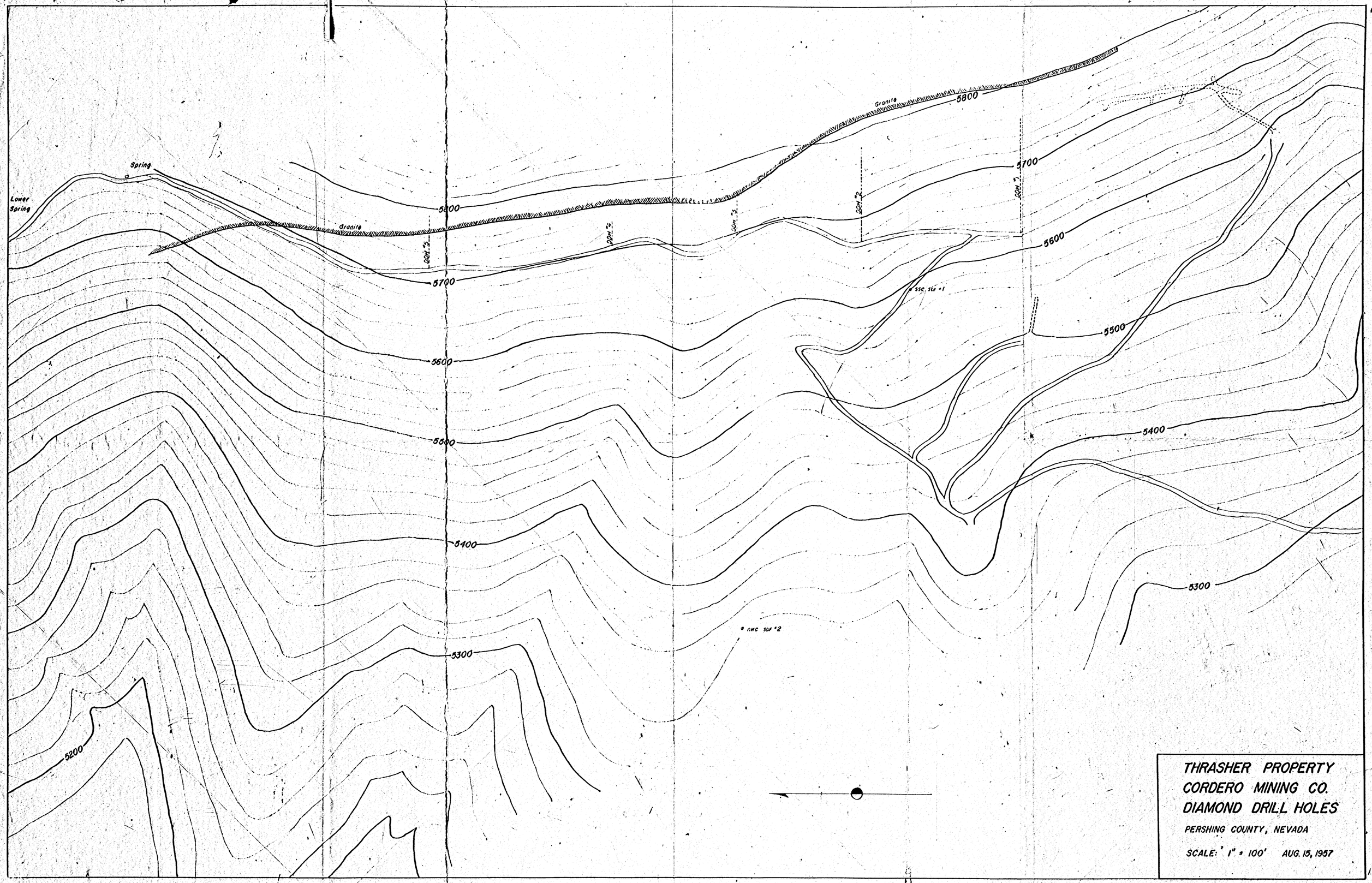
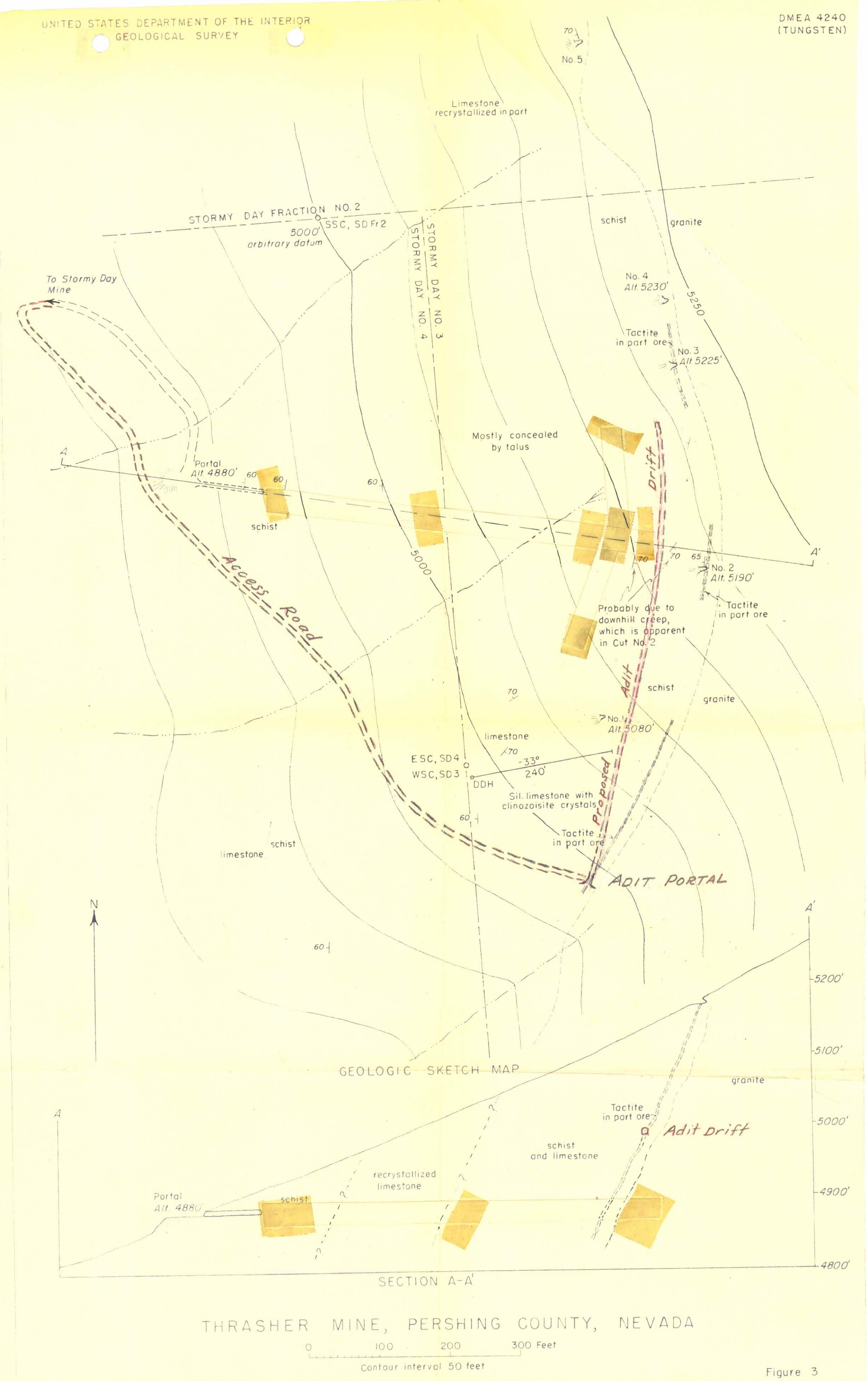


Figure 4. NORTHERN PART THRASHER MINE
PERSHING COUNTY, NEVADA

BASE BY E. H. Hager, Cordero Mining Company


Spring
Lower Spring
Granite
Granite
5800
5800
5700
5700
5600
5600
5500
5500
5400
5400
5300
5300
5200
DDH #3
DDH #3
DDH #2
DDH #1
SSC, SLS #1
IWC SCF #2
THRASHER PROPERTY
CORDERO MINING CO.
DIAMOND DRILL HOLES
PERSHING COUNTY, NEVADA
SCALE: 1" = 100' AUG. 15, 1957



THRASHER MINE, PERSHING COUNTY, NEVADA

0 100 200 300 Feet

Contour interval 50 feet

Figure 3