Mr. Ken Carkenbrook
Denver 2, Colorado

December 13, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1776X, Ace Manganese Prospects, Utah County, Utah - Applicants, Shoals Brothers, 582 North 2nd East, Eagle, Utah

Enclosed herewith are the original and two copies of the report on the subject docket, and a copy of the letter of denial to the applicant.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $12,000.00 be denied.

Paul Nelson
for J. E. Ezell, Jr.

A. H. Koschmann
A. H. Koschmann

JWT:oc
cc: DMA Subject, chron.
Koschmann

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

[illegible], New Customhouse
Denver 2, Colorado

December 13, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: Final Report, DMA Docket 1276X, Ace Manganese Prospects, Utah County, Utah - Applicants, Steele Brothers, 882 North 2nd East, Nephi, Utah

Enclosed herewith are the original and two copies of the report on the subject docket, and a copy of the letter of denial to the applicant.

We concur with the conclusions and recommendations of the examining team that the exploration loan of $12,000.00 be denied.

for J. H. East, Jr.

A. H. Koschmann

224 New Customhouse
Denver 2, Colorado

December 13, 1951

Steele Brothers
882 North 2nd East
Nephi, Utah
c/o Mr. Dell Steele

Dear Mr. Steele:

Your application for government assistance in exploration work on the Ace Manganese Prospects at an estimated cost of $12,000.00, DMA Docket 127-I, has been reviewed by the Defense Minerals Administration and a field examination completed.

From a study of exposures and geologic data, the inference is that little possibility exists for the discovery of manganese deposits large enough to warrant the expense of exploration. Therefore, your application for the exploration loan is denied.

We wish to thank you for bringing this property to the attention of the Government.

Very truly yours,

Paul T. Allsman for
J. H. East, Jr.
Executive Officer
DMA Field Team, Region IV

JWT/bc
cc: DMA subject, chron.
Koschmann
Executive Secretary, DMA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

December 13, 1951

Memorandum

To: DMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMA Docket 1274X, Ace Manganese Prospects, Utah County, Utah - Applicants, Steele Brothers, 882 North 2nd East, Nephi, Utah

The application of the subject docket is for an exploration loan of $12,000.00.

The examining team reports that manganese in the form of pyrolusite and psilomelane occur in scattered, irregular small deposits along the contact between shale and limestone, chiefly in fractures and bedding plane faults. There is no production from the property.

Inferred ore reserves are estimated at 40 tons at one small outcrop on the Manganese Ace No. 3 claim.

The examining team feel that little possibility exists for discovery of deposits of any consequence and recommend that the application for exploration loan be denied.

We concur with the recommendation of the examining team.

Paul T. Allsman

Paul T. Allsman

6-303
(March 1947)

cc: P. T. Allsman
S. R. Wilson

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 13

1274

Report to Mr. M. H. Howes

Chemical Laboratory Report

Date received Aug. 27, 1951

Date reported Aug. 30, 1951

Serial No.	DESCRIPTION	Lot No.	Zn	P	Fe	SiO_2	Mn	S		
	Manganese Ace Utah County, Utah									Mining Division Date Rec'd.
97897	Grab sample pile at East pit	MA 1	<0.05	0.08	1.1	7.2	51.1	0.16		SEP 4 1951
98	North "	2	<0.05	0.15	3.9	26.6	32.5	0.12		BUREAU OF MINES
99	extreme No. pit	3	<0.05	<0.01	3.4	13.8	29.5	0.09		Denver, Colorado

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed H. C. Peterson
M. R. H.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

Mining Division
Date Rec'd.
DEC 10 1951
BUREAU OF MINES
Denver, Colorado

December 7, 1951

Memorandum

To: Paul T. Allsman, Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMA 1274-X, Ace Manganese property, Utah County, Utah

Enclosed are the original and 7 copies of the subject engineering report with a section on Summary, Conclusions and Recommendations. The geologic report was transmitted by the Survey October 22, 1951.

The examiners report that the method of exploration proposed by the applicant does not appear to be the most suitable. Bulldozer stripping, with possible shaft sinking, is believed to be the best method of exploration. However, because little possibility exists that a significant discovery will be made by exploration, it is recommended that the loan be denied.

I concur with the examiners' recommendations.

The brochure is attached.

for Stephen R. Wilson
Stephen R. Wilson.

Enclosures - 3

Mining Division
Region IV

December 13, 1951

Memorandum

To: DMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMA Docket 1276K, Ace Manganese Prospects, Utah County, Utah - Applicants, Steele Brothers, 888 North 2nd East, Nephi, Utah

The application of the subject docket is for an exploration loan of $12,000.00.

The examining team reports that manganese in the form of pyrolusite and psilomelane occur in scattered, irregular small deposits along the contact between shale and limestone, chiefly in fractures and bedding plane faults. There is no production from the property.

Inferred ore reserves are estimated at 40 tons at one small outcrop on the Manganese Ace No. 3 claim.

The examining team feels that little possibility exists for discovery of deposits of any consequence and recommend that the application for exploration loan be denied.

We concur with the recommendation of the examining team.

Paul T. Allmann

JWT:oc
cc: DMA subject, chron.
koschmann

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.
200 New Customhouse
Denver 2, Colorado

October 24, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1274X, Steele Brothers, Ace Manganese Prospects, Utah County, Utah

Enclosed are 8 copies of the geologic report by R. M. Smith of the U. S. Geological Survey, covering the above docket. It has been recommended that the loan be denied.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (8)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

OFFICE OF
REGIONAL DIRECTOR

REGION IV

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

July 25, 1951

Memorandum

To: S. R. Wilson (with brochure)

(Through Chief, Mining Division)

Ralph Roberts

From: DMA Field Team, Region IV

Subject: DMA Docket 1274X, Steele Brothers, Ace Manganese Prospects, Utah County, Utah

Enclosed herewith in duplicate are Forms MF-100 and MF-103, pertaining to an exploration project at the Ace Manganese prospects, at an estimated cost of $12,000.

The proposed work is by two adits to explore at depth.

Please ascertain whether or not the inclined shaft proposed by the Coordinating Committee is feasible, and the estimated cost.

J. H. East, Jr.

A. H. Koschmann

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Room 307, 320 South Main
Salt Lake City 1, Utah
22 October 1951

Memorandum

To: A. H. Koschmann, Field Team, Region IV

From: Ralph J. Roberts

Subject: Docket DMA 1274X, Steele Brothers, Ace Manganese Prospects, Utah County, Utah.

Enclosed are 8 copies of a geologic report on Docket DMA 1274X, Steele Brothers, Ace Manganese Prospects, Utah County, Utah.

The manganese occurs in veins and on beds, interbedded limestones, sandstones and shales of Pennsylvanian age. The ore minerals are psilomelane and pyrolusite which occur without accompanying gangue minerals and average about 30 percent Mn. Ore reserves are inferred for one ore shoot on the Manganese Ace No. 3 Claim and are estimated to be 40 tons of material containing 30 percent Mn. There is no production from the property. The probability of finding any significant quantity of commercial grade ore, as a result of applicants proposed projects, is not good. It is, therefore, recommended that the application for a loan be denied.

An Engineering report by the U. S. Bureau of Mines is to accompany the Geologic report. Please hold in Denver pending its arrival.

I concur with the recommendations of the examining geologist and engineer.

J. William Hasler
for - Ralph J. Roberts

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1274X

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To: ~~Coordinator~~ Date ~~July 13~~

To: ~~Field Team, Reg. IV~~ Date

To: Coordinator Com Date July 17, 1951

To: ~~Field Team, Region IV~~ Date July 19, 1951

To: Field Reg. IV Date July 25, 1951

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

DO NOT DETACH

CONTROLLED DOCUMENT

OCT 1951
RECEIVED
U.S. Geological Survey
Mineral Deposits Branch
Denver

Defense Minerals Administration
Reference Slip

Date 7/28

To: 1. Mr. Bradley

2.

3.

4.

DMA 1274

For Action ✓

Reply

Information

Remarks:

Sender LANDON F. STROBEL
OSV

3
Mr. Strobel DMA 1274

Forwarded to

Branch

Date

Sender

2
Mr. Strobel DMA 1274

Forwarded to

Branch

Date

Sender

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

Docket DMA 1274X, Steele Brothers, Ace Manganese Prospects

Utah County, Utah

R. M. Smith, Geologist
U. S. Geological Survey

October 22, 1951

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

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUL 23 1951
BUREAU OF MINES
DENVER, COLORADO

JUL 18 1951

Mr. J. H. East, Jr., Executive Officer
DMA Field Team, Region IV
2-4 New Customhouse Bldg.
Denver 2, Colorado

In reply please refer to:
DMA-1274 — Manganese

Dear Mr. East:

It is requested that you arrange for a field examination of the Manganese Ace group of claims located in Section 21, T. 7S., R. 1 W, Salt Lake Meridian, 12 miles from Lehi, Utah. Dell and George Sheele, a partnership, applied for an exploration loan for a project costing $12,000. They propose driving two adits, one 240 feet in length and the other 200 feet. Although the chances of liquidating such a loan from production appear to be quite slim it is thought that the property might merit a maximum loan of $2,500 to sink an inclined shaft on the outcrop as a better means of exploration. Will you please inform us whether or not the reduced sum is warranted and whether or not the inclined shaft is a feasible project.

Two copies each of forms MF 100 and MF 103 are enclosed.

Very truly yours,

Tom Lyon

Tom Lyon
Chairman, Coordinating Committee

Enclosures

Approved:

Lowell B. Moon

For the Bureau of Mines

Olaf N. Rove

For the Geological Survey

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By R. M. Smith and
M. H. Howes

The Ace Manganese property was examined by the Geological Survey and Bureau of Mines during August and September, 1951. A DMA loan of $12,000 was requested by the property owner for underground exploration. The examination was made at the request of the Field Team, Region IV, to determine the feasibility of the proposed project.

The rocks in the area are interbedded limestone, sandstone and shale of Pennsylvanian age which strike northwest and dip approximately 40° to the northeast. Bedding faults of small displacement have cut the sediments. Pyrolusite and psilomelane occur in scattered, irregular, small deposits along the contact between shale and limestone, chiefly in fractures and bedding-plane faults.

The applicant has proposed a 240-foot adit on the Manganeese Ace claim and a 200-foot adit on the Manganeese Ace No. 3 claim, at a total estimated cost of $12,000. It is believed that bulldozer stripping, with possible shaft sinking, is a more suitable method of exploring the deposits. However, because little possibility exists that deposits of sufficient size will be found to warrant the expenditure, it is recommended that the loan application be denied.

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

JUL 18 1951

REGIONAL DIRECTOR'S OFFICE
REGION IV
JUL 23 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. J. H. East, Jr., Executive Officer
DMA Field Team, Region IV
224 New Customhouse Bldg.
Denver 2, Colorado

In reply please refer to:
DMA-1274 — Manganese

Dear Mr. East:

It is requested that you arrange for a field examination of the Manganese Ace group of claims located in Section 21, T. 7S., R. 1 W, Salt Lake Meridian, 12 miles from Lehi, Utah. Dell and George Sheele, a partnership, applied for an exploration loan for a project costing $12,000. They propose driving two adits, one 240 feet in length and the other 200 feet. Although the chances of liquidating such a loan from production appear to be quite slim it is thought that the property might merit a maximum loan of $2,500 to sink an inclined shaft on the outcrop as a better means of exploration. Will you please inform us whether or not the reduced sum is warranted and whether or not the inclined shaft is a feasible project.

Two copies each of forms MF 100 and MF 103 are enclosed.

Very truly yours,

Tom Lyon

Tom Lyon
Chairman, Coordinating Committee

Enclosures

Approved:

Lowell B. Moon
For the Bureau of Mines

Olaf N. Rove
For the Geological Survey

CONTENTS

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Ore Deposits	1
Ore Reserves	2
Proposed Exploration	3
Summary and Conclusions	3

ILLUSTRATIONS

Figure 1. Index Map of Central Utah

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

JUL 18 1951

July 18, 1951

Mr. Dell Steele

Nephi, Utah

In reply please refer to:
DMA-1274-X -- Manganese

Dear Mr. Steele:

A field examination of your Manganese Ace group of claims has been requested. It will be arranged by Mr. J. H. East, Jr., Executive Officer, DMA Field Team, Region IV, 224 New Customhouse Building, Denver 2, Colorado. Your cooperation aiding the field men during the examination will be appreciated.

Very truly yours,

Tom Lyon

Tom Lyon
Director, Supply Division

Docket DMA 1274X, Steele Brothers

Ace Manganese Prospects, Utah County, Utah

GEOLOGY

The Manganese Ace Claims, Utah County, Utah are on the east flank of Lake Mountain. The rocks are sedimentary and form a northward plunging syncline. In the mine area, interbedded limestones, sandstones and shales of Pennsylvanian age[1] strike northwest and dip 40° NE.

---

[1] Bullock, Kenneth C., Geology of Lake Mountain, Utah: Utah Geol. and Mineralogical Survey Bull. 41, June, 1951.

A porphyritic, silicic igneous rock crops out in a wash on the north end of the Manganese Ace Claim. Because this rock is highly weathered, it has few outcrops, and its relation to the sedimentary rocks was not determined. No faults of large displacement were observed in the area, although there are many small bedding-plane faults, especially in the shale beds.

ORE DEPOSITS

Manganese crops out in shallow pits in an area about 100 feet in diameter on the Manganese Ace Claim. The attitude and nature of the mineralized rock cannot be seen because the pits have sloughed. Small amounts of psilomelane occur on the dumps.

At the Manganese Ace No. 3 Claim, south of the Manganese Ace Claim, hard slaggy masses of manganese oxides, without accompanying gangue minerals, occur along bedding faults in a shale member 20 to 50 feet thick. At the largest exposure psilomelane and pyrolusite occur in a vein about 10 feet long and from 1 to 6 inches thick striking north 50 degrees west and dipping 40° NE. A smaller parallel vein occurs a few feet in the footwall, and a third vein

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1274

To: Reports and Records Branch

From: Manganese Branch - DMA

Date: July 17, 1951

The following action has been taken this date on the above Controlled Document.

Forwarded to Field Team, Region II thru Mr. Lyon for signature

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $

Other action, specify:

field examination

Interior--Duplicating Section, Washington, D. C.

98869

may occur about 10 feet in the hanging wall of the first exposure. Mineralization is essentially confined to the shale members or to limestone beds within the shale. Locallization of ore in shoots 10 feet or less in length may be the result of thin, competent limestone beds having been cut and brecciated by irregular bedding faults. The shale is locally altered to clay and is brownish where it is mineralized, as opposed to its normal gray color. The ore deposits are epigenetic and are believed to have been deposited from ascending solutions.

The grade of ore ranges from 29 percent to 33 percent Mn for the vein material.

The adjoining Wildcat Mine[1] has yielded about 350 tons of high grade

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[1] Crittenden, Max D., Manganese deposits of western Utah: U. S. Geol. Survey Bull. 979 (in publication).

---

manganese ore from the same stratigraphic horizon and from an occurrence similar to the Ace prospect. A pipe-like ore shoot was mined to a depth of 196 feet. It is reported that the grade of ore increased from about 30 percent manganese near the surface to 50 percent manganese for ore mined at depths greater than 20 feet.

No other deposits are reported in the district.

ORE RESERVES

Inferred ore reserves at the Manganese Ace No. 3 claim, assuming a depth of 100 feet, a length of 10 feet, and a thickness of 6 inches, are 40 tons. No tonnage is inferred for other possible shoots in parallel veins or for the Manganese Ace Claim.

Index DMA-1274- Manganese

1. Two copies each of forms MF 100 and MF 103

PROPOSED EXPLORATION

The applicant has proposed two exploration projects:

Project No. 1. Manganese Ace Claim.- A 240-foot adit is proposed to explore the downward extension of surface showings.

Project No. 2. Manganese Ace No. 3 Claim.- A 200 foot adit under the surface showings is proposed.

The vein dips 40° NE. and the hillside slopes 10° to 15° in the same direction. A short crosscut adit is thus indicated by the physiography. As the ore shoot is narrow and its rake is not known, an adit might easily miss the ore shoot and would have to be supplemented by some amount of drifting.

The proposal, made by the Operating Committee, to sink an incline shaft is in line with the adage "follow the ore" and is believed to be a better method of exploration.

SUMMARY AND CONCLUSIONS

The rocks in the mine area are interbedded limestone, sandstone, and shale of Pennsylvanian age which strike northwest and dip 40° NE. They have been cut by bedding faults of small displacement.

Manganese oxides occur as veins up to 6 inches thick and 10 feet long in bedding-plane faults in a shale member 20 to 50 feet thick. The ore minerals are psilomelane and pyrolusite which occur without accompanying gangue minerals and average about 30 percent Mn.

Ore reserves are inferred for one ore shoot on the Manganese Ace No. 3 Claim and are estimated to be 40 tons of material containing 30 percent Mn.

There is no production from the property but the deposits are similar to the nearby Wildcat mine which has yielded about 350 tons of ore averaging about 50 percent Mn. There are no other deposits reported in the district.

~~LANDON F. STROBEL~~

Mr. Bradley

DMB-1274X

Nephi, Utah
June 5, 1951

Mr. James Boyd, Administrator
Defense Minerals Administration
Washington 25, D. C.

Dear Mr. Boyd:

Am sending you forms MF-103 with hopes of obtaining Government Aid on a manganeese prospect. The claims are grass root showings and only discovery holes have been done on said claims. The ore consists chiefly of pyrolusite manganeese which assays 35 % to 60 % Mn. 02. We have fine showings on all four claims of the Manganeese Ace.Group. The Wildcat Group adjoining our claims has shipped eight railroad carloads of high grade ore.

These claims (Wildcat) were prospected 15 years ago and operation was by very crude methods and at very low prices. The work was then abandoned because ~~of~~ operation was not profitable. Ore was hoisted from an incline shaft and was followed to a depth of 196 feet. The ore in this prospect continues downward and is not very large in dimentions but geologists Crawford and Burranick with the Utah Publicity and Development Co. made examination of these claims and gave a very optomistic report of the property. The report was loaned to a promoter and was never returned. The information pertinent to this can be obtained from the files of the U. S. Bureau of Mines and the Utah Publicity and Development Co.

The ore outcrops can be followed for a distance fo three miles along a shale and lime contact. The only development that has been done along this mineralized zone has all been done on the Wildcat No. 1 & 2 claims and has been very limited because of crude methods and facilities.

Hoping that we can obtain assistance on this project, we remain,

Yours respectfully,

Steele Brothers
By Dell Steele
Partner

The applicant has proposed two exploration projects, one on the Manganese Ace Claim and one on the Manganese Ace No. 3 Claim. Ore in place is not exposed on the Manganese Ace Claim; consequently no recommendation for this claim is made. At the Manganese Ace No. 3 claim, the ore is in such narrow shoots that the exploration will probably extract most of the ore body. Because of the lack of geologic information from which to make reliable projections, an inclined shaft, as proposed by the Coordinating Committee in its request for a field examination, is believed to be the proper method of exploring the deposit. It is recommended, however, that the application be denied, as the possibility of revealing a significant tonnage is very small.

BUREAU OF MINES
WASHINGTON, D. C.
JUN 11 11 41 AM '51

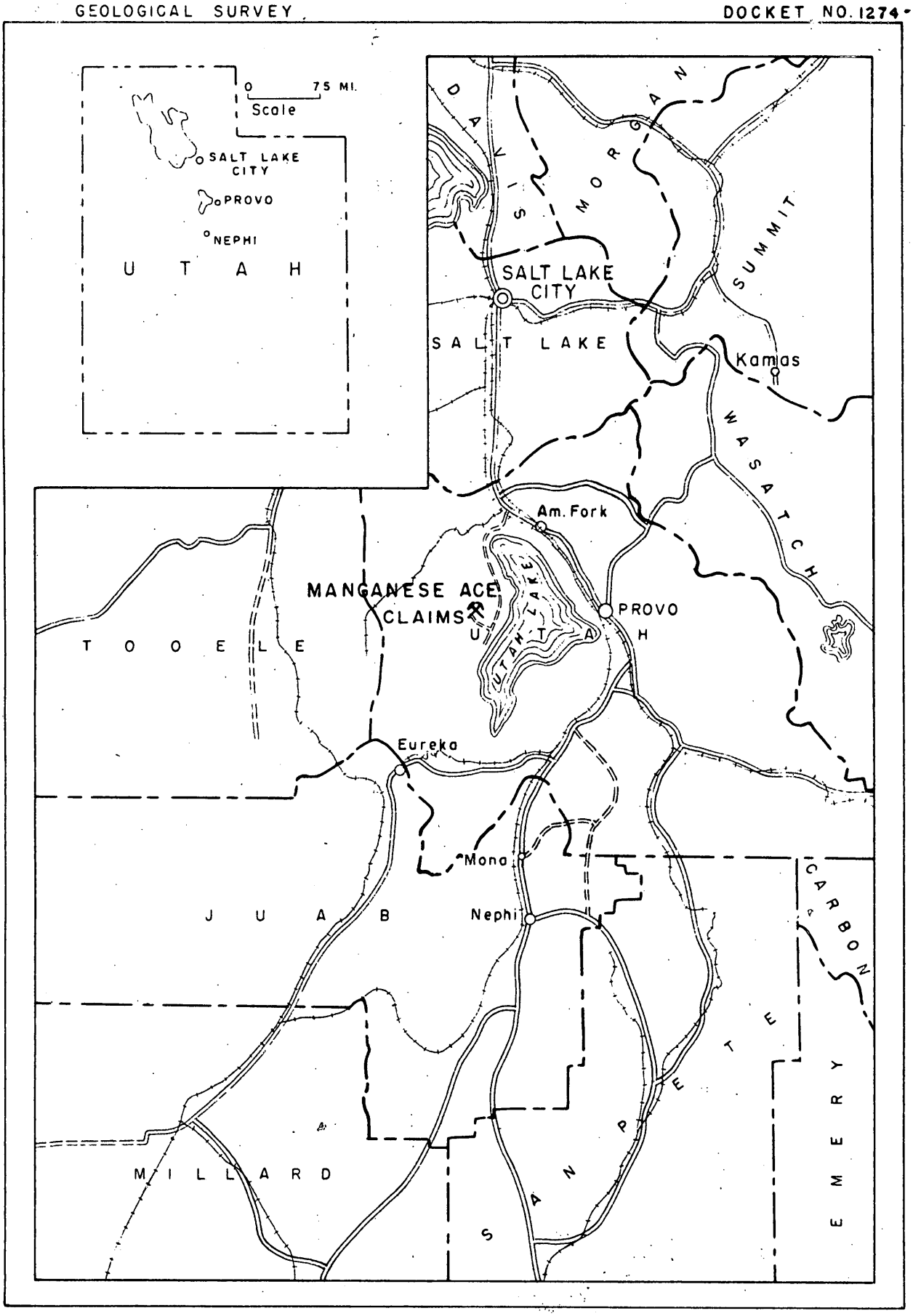

FIG. 1

INDEX MAP OF CENTRAL UTAH

0 5 10 15 20 MILES
Scale

Form
(April 1951)

DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1274 X

Date received 6/13/51

Participation

Steele Brothers
882 North 2nd East
Nephi, Utah

Name and address of applicant

Date June 5, 1951

FILL IN THIS BLOCK

Date of application June 5, 1951

Estimated cost $12,000.00

Mineral or metal Manganeese

Percentage of Government participation 75 %

Location of mine Section 21, Township 7 South, Range 1 West, Salt Lake Meridian.

Date of filing MF-100 May 18, 1951

DMA Docket Number, if available 1274X

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

See answers to questions on attached sheet.

ACE MANGANESE PROPERTY
UTAH COUNTY, UTAH
DMA-1274X
Manganese

Engineering Report

By M. H. Howes
Mining engineer
U. S. Bureau of Mines

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Steele Brothers
(Name of company)

By Dell Steele
(Signature of authorized official)

June 5, 1951
(Date)

Partner
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

ACE MANGANESE PROPERTY
UTAH COUNTY, UTAH

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ILLUSTRATIONS

Fig. 1 Location map, Ace Manganese property, Utah County, Utah

ANSWERS TO QUESTIONS ON FORM MF-103

1. Partnership.
2. Dell Steele and George Steele, Nephi, Utah.
3. ---
4. Fifteen years experience in the Tintic Mining District.
5. Owners.
6. None.
7. ---
8. None.
9. $500.00 Cash, compressor, Jackhammer, hose, steel, and our labor. Yes.
10. This is new claim and the property is barren. The claim is located in Section 21, Township 7 South, Range 1 West, Salt Lake Meridian. Exploration to be done on Manganeese Ace and Manganeese Ace No. 3. Both areas are the same.
11. Manganeese Ace and Manganeese Ace 1, 2, 3. Former names were Blackhawk 1, 2, 3,
12. Nine miles to Fairfield, Utah, and 12 miles to Lehi, Utah. Good roads. Nine miles to shipping point on railroad.
13. Utah Lake--one and one-half miles distance.
14. None.
15. Can be shipped by truck to Geneva Steel Company 25 miles distance.
16. No history. a. Grass root showings on all four claims. b. The adjoining
17. claims (The Wildcat Group) produced 8 carloads of highgrade ore. c. See attached letter.
17. None.
18. Has not been operating.
19. None.
20. Manganeese.
21. We propose to run two tunnels. One on the Manganeese Ace--240 feet. Also one 200 feet on the Manganeese Ace No. 3. This work is to be done where our best showings are and where we can obtain depth with shortest distance of tunnels.
22. The conditions are exactly the same as on the Wildcat Claims 1 mile north where considerable ore has been mined. The ore found at the outcrops is almost identical with that found on Wildcat Claims. The engineers report for that district is very favorable and optomistic about its future. The ore is very high grade pyrolusite manganeese. Assays running from 35 % to 60 %.
23. a. Salaries for three laborers @ $40.00 per day.....$8,800.00
    b. We will supervise our own project...
    c. We will need only a small shack to shelter machinery.
    d. We plan to use bulldozer to improve roads and open up and clean away enterance to proposed tunnels..... 500.00
    e. We would like to buy a small slusher..... 700.00
    f. Cost of rentals, powder, gasoline, oil, caps, fuses carbide and other miscellaneous items..... 2,000.00
    g. We realize various other expenses will come up but we hope to be producing long before this amount has been depleted.

    Total amount of loan..... $12.000.00
24. We will furnish you each month an itimised statement of expenditures and also a statement of footage and developments. We expent to complete our explorations in one year.

INTRODUCTION

Application for a DMA exploratory loan was made by Dell and George Steele to aid in driving two adits, one 240 feet in length, and the other 200 feet, to explore manganese deposits on the Ace Manganese property, Utah County, Utah. The estimated cost of the project is $12,000. Because the chance of liquidating such a loan from production did not appear promising to the DMA Coordinating Committee, a field examination was requested to determine whether or not a reduction to a maximum loan of $2,500 is warranted and if an inclined shaft on the outcrop, as a better means of exploration, is feasible. A field examination was made by M. H. Howes, mining engineer, Bureau of Mines, on August 23, 1951, and again by M. H. Howes and R. M. Smith, geologist, Geological Survey, on September 12, 1951.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The property is in Sec. 21, T. 7 S., R. 1 W., S.L.B.M., on the west slope of the Lake Mountains, approximately 9 miles southeasterly from Fairfield, Utah, the nearest railroad shipping point. Ores are trucked to the Geneva Steel Company, a distance of 25 miles, 10 miles of which is fair country road and the other hard surfaced. A Utah Power and Light Company transmission line passes within 2-1/2 miles of the property, and Utah Lake, the nearest known source of water, is about 3 miles to the east. The climate is semiarid. Summers are hot and dry, and winters are cold with moderate snowfall.

Form MF-10[redacted]
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1274X

Date received 6/13/51

Participation

Steele Brothers
832 North 2nd East
Nephi, Utah

Name and address of applicant

Date June 5, 1951

FILL IN THIS BLOCK

Date of application June 5, 1951

Estimated cost $12,000.00

Mineral or metal Manganese

Percentage of Government participation 75 %

Location of mine Section 21, Township 7 South, ~~Range 1 West, Salt Lake Meridian.~~

Date of filing MF-100 May 18, 1951

DMA Docket Number, if available 1274X

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

See answers to questions on attached sheet.

HISTORY AND PRODUCTION

Ace Manganese property was recently located, and no production has been recorded. Several years ago pits were excavated along a zone of mineralization, and small piles of manganese ores remain.

The Wildcat mine, adjoining the Ace Manganese property on the north, was operated about 1935, and is reported to have produced eight carloads of ore assaying from 35 to 55 percent manganese.

OWNERSHIP AND EXTENT

Four lode mining claims, Manganeese Ace, and Manganeese Ace Nos. 1, 2, and 3, were recently located, and are owned by a partnership of Dell Steele, 882 North 2nd East Street, Nephi, Utah, and George Steele, Goshen, Utah.

DESCRIPTION OF THE DEPOSITS

Scattered, irregular deposits of manganese oxides, chiefly pyrolusite and psilomelane, occur along a narrow mineralized contact zone between limestone and shale. This zone is over 3 miles long, starting with a strike of N. 45° W. at the south end and gradually swinging northerly for about 1/2 mile until it reaches and retains a strike of north for the remainder of its course. The four Manganeese Ace claims are located end to end along the south part of this zone. The contact has an easterly dip of 40° to 45°. The footwall limestone is light bluish-gray, fine grained, very soluble, and contains scattered chert nodules. The hanging wall shale is soft, yellow-brown, laminated, and is altered to

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Steele Brothers
(Name of company)

By Dell Steele
(Signature of authorized official)

June 5, 1951
(Date)

Partner
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

clay in places. Irregular lenses and pipes of ores occur as replacements and as filling in fractures and bedding planes near the contact. A pipe 196 feet long, 2 to 12 feet wide, and 1 to 6 feet thick (averaging about 2 feet) was mined down dip in a crooked inclined shaft on the Wildcat property. It was reported that ore 2 feet thick in the shaft bottom continues downward. Although thin seams of manganese mineralization extend outward along the sides of this pipe, almost the total distance in the shaft, little or no exploration was done laterally.

Tests made on a 2-ton sample from the Wildcat mine by the Salt Lake Experiment Station, Metallurgical Division, Bureau of Mines, published in R.I. 4466, show that the ore is readily amenable to concentration by simple ore-dressing methods, and that a high-grade product comparatively free of impurities can be made, with good recovery.

Meager deposits of ore exposed in several pits along the contact on the Ace Manganese property are similar in character to the deposits on the Wildcat. Grab samples were taken of ore piles at three pits: one at the south end, one about at the middle, and one at the north end of the property, with the following results:

Sample	Analysis, percent					
	Mn	Fe	SiO_2	P	S	Zn
MA No. 1 (south end)	31.1	1.1	7.2	0.08	0.16	<0.05
MA No. 2 (middle)	32.5	3.9	26.6	.15	.12	< .05
MA No. 3 (north end)	29.5	3.4	13.8	<.01	.09	< .05

ANSWERS TO QUESTIONS ON FORM MF-103

1. Partnership.
2. Dell Steele and George Steele, Nephi, Utah.
3. ---
4. Fifteen years experience in the Tintic Mining District.
5. Owners.
6. None.
7. ---
8. None.
9. $500.00 Cash, compressor, Jackhammer, hose, steel, and our labor. Yes.
10. This is new claim and the property is barren. The claim is located in Section 21, Township 7 South, Range 1 West, Salt Lake Meridian. Exploration to be done on Manganeese Ace and Manganeese Ace No. 3. Both areas are the same.
11. Manganeese Ace and Manganeese Ace 1, 2, 3. Former names were Blackhawk 1, 2, 3.
12. Nine miles to Fairfield, Utah, and 12 miles to Lehi, Utah. Good roads. Nine miles to shipping point on railroad.
13. Utah Lake--one and one-half miles distance.
14. None.
15. Can be shipped by truck to Geneva Steel Company 25 miles distance.
16. No history. a. Grass root showings on all four claims. b. The adjoining claims (The Wildcat Group) produced 8 carloads of highgrade ore. c. See attached letter.
17. None.
18. Has not been operating.
19. None.
20. Manganeese.
21. We propose to run two tunnels. One on the Manganeese Ace--240 feet. Also one 200 feet on the Manganeese Ace No. 3. This work is to be done where our best showings are and where we can obtain depth with shortest distance of tunnels.
22. The conditions are exactly the same as on the Wildcat Claims 1 mile north where considerable ore has been mined. The ore found at the outcrops is almost identical with that found on Wildcat Claims. The engineers report for that district is very favorable and optomistic about its future. The ore is very high grade pyrolusite manganeese. Assays running from 35 % to 60 %.
23. a. Salaries for three laborers @ $40.00 per day.....$8,800.00
    b. We will supervise our own project...
    c. We will need onlye a small shack to shelter machinery.
    d. We plan to use bulldozer to improve roads and open up and clean away enterance to proposed tunnels..... 500.00
    e. We would like to buy a small slusher..... 700.00
    f. Cost of rentals, powder, gasoline, oil, caps, fuses carbide and other miscellaneous items..... 2,000.00
    g. We realize various other expenses will come up but we hope to be producing long before this amount has been depleted.

    Total amount of loan..... $12.000.00
24. We will furnish you each month an itimised statement of expenditures and also a statement of footage and developments. We expent to complete our explorations in one year.

MINABLE ORE RESERVES

There are no measurable ore reserves.

PRESENT STATUS

No work is being done on the property at present.

There are no items of equipment or other facilities on the ground. The Steele brothers report that they own a small compressor, jackhammer, drill steel, hoses, small tools, etc.

PROJECT PROPOSALS

The work proposed by the applicant to explore the Ace Manganese deposits, at an estimated cost of $12,000, is not believed to be the most feasible method for discovering ores on this property.

Most of the length of the 240-foot adit proposed for the Manganeese Ace claim would be required to crosscut to the mineralized zone. The chances of cutting minable pipes or lenses of ore in the short remaining distance along the zone are not promising. It is questionable that sufficient ore would be found to pay the cost of exploration. It appears that a more suitable plan for exploring this deposit is to first strip the overburden by means of a bulldozer along the zone of mineralization, and then, if satisfactory results are obtained, to sink an inclined shaft on the most favorable showing.

On the Manganeese Ace No. 3 claim, where the applicant proposes to drive a 200-foot adit, it is believed that bulldozer stripping will uncover the mineralization along the strike and for at least some distance down dip, as the deposit dips only slightly greater than the slope of the hill.

Dma - 1274

May 18, 1951

STEELE BROS.

Dell Steele 882 N. 2nd. E. St. Nephi, Utah
George Steele
C. C. Steele

1. Materials produced:
   (a) Wha t are the chief mine, mill, or smelter prdducts? Manganeese
   (b) What are the byproducts, if any? None
2. Names (S) and type (s) of Mine (s), Smelter (S), Refinery (ies), Pit (s), Quarry (ies) drilling operation (s). Include old names or property, if any. Show extent of workings including the following: Manganese - oxides
   (a) Linear feet of shafts. 190 Ft./shaft incline about 45 degrees
   (b) Linear feet of drifts and crosscuts. 75 Ft. of cross cut.
   (c) Linear feet of tunnels or adits. 40 Ft. of tunnel.
   (d) Linear feet of other mine openings (explain briefly) several small out crops/ surface.
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. None
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point. 8 miles to Fairfield.
   (b) Mining District. Unorganized.
   (c) Township, Section, Range.
   (d) County, Sta te. Utah County, Utah.
4. (a) State whether or not property is now in operation, and if in operation, by whom operated. No.
   (b) Are you operating this property as:
   Owner's Lease
5. Number of years in production about 6 months.
   If not in production or operation, estimated date when production will begin. As soon as a loan is obtained.
6. Experience of operators: A bout 12 years of mining experience.
   Describe the mining and general business experience of (a) the applicant, and (b) the Person or persons who manage the project. The same as stated above.
7. History:
   (a) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property with reasons for suspension of operation. The ore pinched to about 3 Ft.
   (b) State briefly the known history and production of adjoining and neighboring properties.

History of Mine and other Locations.

The Wild Cat 1, 2, and 3 Claims are located in Township 7, Range 1 West S.L.M. in Section 4 and section 9. The work done these claims consists of an incline shaft 190 ft. deep, the ore still continuing downward in a very small vein around 2 ft. thick and 6 ft. wide. A fault plane was cut with incline at 120 ft. and followed on a very gentle dip of about 20 degrees downward to the south. This was followed for about 60 ft. where another fault crossed the N. S. and the ore followed the downward course on the fault plane. This was followed to a depth of about 30 ft. with the ore continuing downward approximately the size of the before mentioned vein. About 6 fifty ton cars of ore were taken from this workings. Some was taken to a stock pile at Delta, Utah and some was stock piled there. A tunnel about 40 ft. was run on another out crop Northerly of the shaft about 600 ft. where about 1 car load of ore was shipped.

The ore inclines at about 40% to the East and is a high grade Pyrolusite Manganeese running about 40% to 55%. We had the Utah Publicity and development Co. Geologists look over the said claims and their report is on record in the files of that organization.

The other claims the Manganeese Ace was previously located about 1935 as the Black Hawk and since then we have located as the Manganeese Ace, Manganeese Ace No. 1, No. 2, and No. 3. These all have surface showings and is similar ore to that mined from the Wild Cat. They are grass root showings which need to be exphored.

CONCLUSIONS AND RECOMMENDATIONS

The thin, erratic deposition of the manganese oxide ores on the Wildcat property indicates that while the quality of the ore can be expected to be good, the reserves on the Ace Manganese deposits will probably be small.

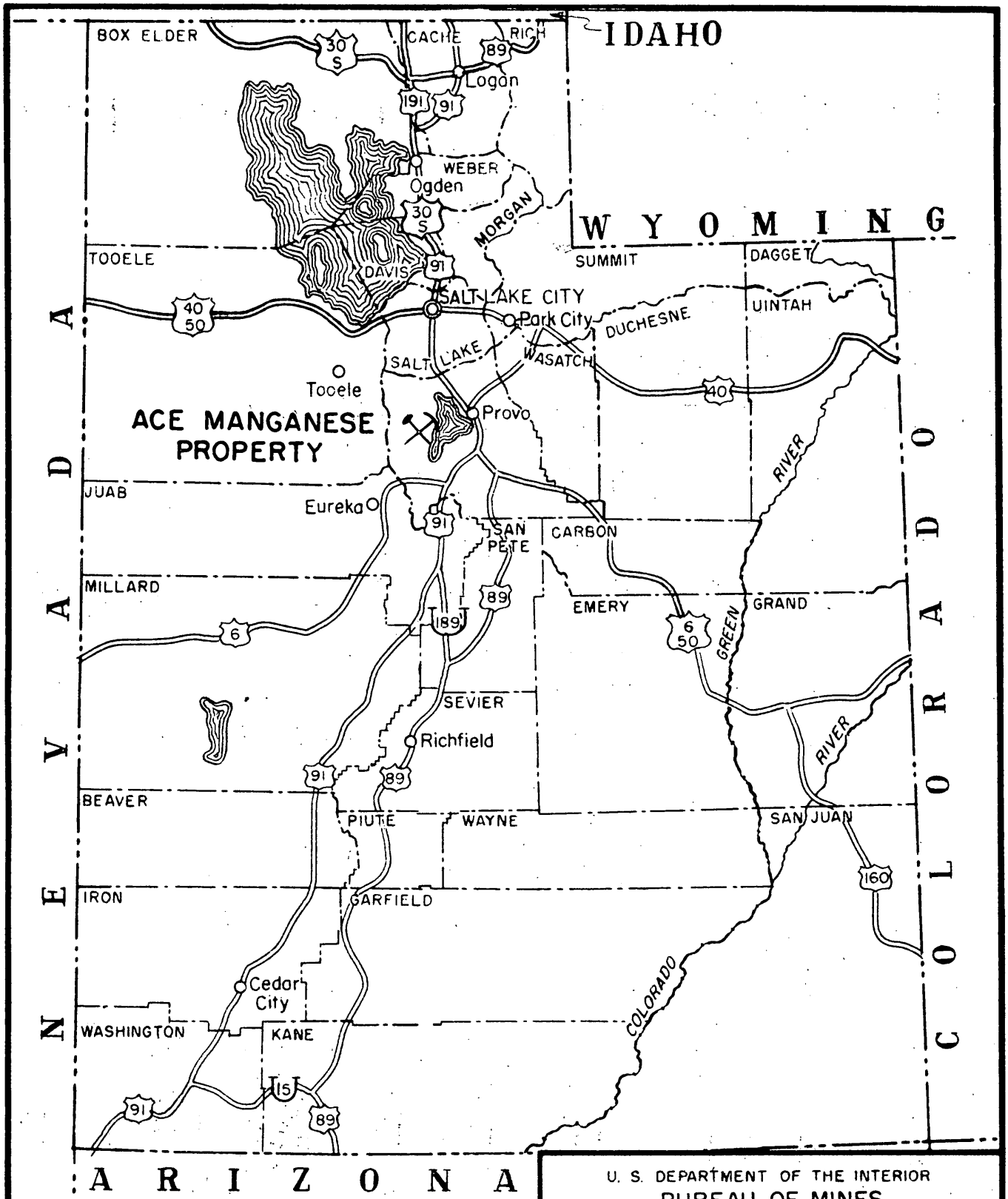
It is recommended that a DMA loan for exploration be denied.

SIEBERT BROS. Continued.

EQUIPMENT:

We Now own our own mining equipment, jack hammer, compressor and we have access to a bull dozer. The work previously done was all done by hand and crude methods. That is the reason for so little exploration on said claims.

Signed by Delbert Siebert
Nothing for State Form



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1 Proj. No.

Location Map

ACE MANGANESE PROPERTY

UTAH COUNTY, UTAH

ENGINEER: *M. H. HOWES*	DATE: OCT. 25, 1951
TRACED: OCT., 1951, A.P.T.S.	300 - 97 - E
CHECKED:	

Dma - 1274

May 10, 1951

STEELE BROS.

Dell Steele 802 N. 2nd. E. St. Nephi, Utah
George Steele
C. C. Steele

1. Materials produced:
   (a) What are the chief mine, mill, or smelter products? Manganese
   (b) What are the byproducts, if any? None
2. Names (s) and type (s) of Mine (s), Smelter (s), Refinery (ies), Pit (s), Quarry (ies) drilling operation (s). Include old names or property, if any. Show extent of workings including the following:
   (a) Linear feet of shafts. 100 Ft. shaft incline about 45 degrees
   (b) Linear feet of drifts and crosscuts. 75 Ft. of cross cut.
   (c) Linear feet of tunnels or adits. 40 Ft. of tunnel.
   (d) Linear feet of other mine openings (explain briefly) several small out crops/ surface.
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point. 3 miles to Fairfield.
   (b) Mining District. Unorganized.
   (c) Township, Section, Range.
   (d) County, State. Utah County, Utah.
4. (a) State whether or not property is now in operation, and if in operation, by whom operated. No.
   (b) Are you operating this property as:
   Owner's
5. Number of years in production about 6 months.
   If not in production or operation, estimated date when production will begin. As soon as a loan is obtained.
6. Experience of operators: About 12 years of mining experience.
   Describe the mining and general business experience of (a) the applicant, and (b) the Person or persons who manage the project. The same as stated above.
7. History:
   (a) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property with reasons for suspension of operation. The ore pinched to about 5 Ft.
   (b) State briefly the known history and production of adjoining and neighboring properties.

History of Mine and other Locations.

The Wild Cat 1, 2, and 3 Claims are located in Township 7, Range 1 West S.L.M. in Section 4 and section 9. The work done these claims consists of an incline shaft 100 ft. deep, the ore still continuing downward in a very small vein around 2 ft. thick and 6 ft. wide. A fault plane was cut with incline at 120 ft. and followed on a very gentle dip of about 20 degrees downward to the south. This was followed for about 60 ft. where another fault crossed the E. S. and the ore followed the downward course on the fault plane. This was followed to a depth of about 30 ft. with the ore continuing downward approximately the size of the before mentioned vein. About 6 Sixty ton cars of ore were taken from this workings. Some was taken to a stock pile at Delta, Utah and some was stock piled there. A tunnel about 40 ft. was run on another out crop Northerly of the shaft about 600 ft. where about 1 car load of ore was shipped.

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STEELE BROS. Continued.

EQUIPMENT:

We Now own our own mining equipment, jack hammer, compressor and we have access to a bull dozer. The work previously done was all done by hand and crude methods. That is the reason for so little exploration on said claims.

Signed by Letter Attorney for Steele Bros.

from Dell Steele
882 N 2nd E.
Nephi, Utah.

NEPHI
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2 30 PM
1951
UTAH

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THOMAS JEFFERSON 1801-1809
3 CENTS 3

UNITED STATES POSTAGE
3 CENTS 3

VIA AIR MAIL

The Defense Minerals Administration
Interior Building
Washington 25
D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
(DMEA)
MAY 28 1951
LANDON F. STROBEL
Executive Secretary

Mining Division
Region IV

August 10, 1951

Mr. Dell Steele
Naphi, Utah

Dear Mr. Steele:

Your letter of July 29 to Mr. East, concerning DMA Docket 1274X, has come to my attention.

The brochure and application on this docket has been sent to C. H. Wilson, U. S. Bureau of Mines, 1600 S. First South Street, Salt Lake City, Utah and Ralph Roberts, U. S. Geological Survey, Room 307, 230 South Main, Salt Lake City, Utah.

One of these men will contact you when they are prepared to make the field investigation as requested by you.

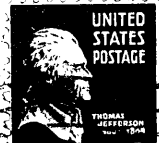
Yours very truly,

P. T. Allaman, Chief
Mining Division, Region IV

jd

cc: DMA
Blackman
Wilson
Roberts

Albanian
Pls handle
JHE



Mr. J. H. East Jr.
D.M.A. Region IV Field Team
224 New Custom house Bldg
Denver Colorado.

5 days return to
Dell Steele
882 N. 2nd E. St
Nephi, Utah

Nephi, Utah
July 29th 1951

Mr. J. H. East. Jr.
Denver Colorado:

REGIONAL DIRECTOR'S OFFICE
REGION 17
AUG 6 1951
BUREAU OF MINES
DENVER, COLORADO

Dear Mr. East:

Have just received information from the Defense Minerals Administration, Washington D.C. that they requested a field examination of the Manganese Ace group of claims which has been given D.M.A. No. 1274.X.— (Manganese). The examination to be arranged by you.

At your convenience I will arrange my affairs so I can assist you in the examination of this project. Thanking you kindly for your interest in this matter

I am, Yours Respectfully
Dell Steele

July 25, 1951

Memorandum

To: S. R. Wilson (with brochure)

(Through Chief, Mining Division)

Ralph Roberts

From: DMA Field Team, Region IV

Subject: DMA Docket 1274X, Shoals Brothers, Ace Manganese Prospects, Utah County, Utah

Enclosed herewith in duplicate are Forms MF-100 and MF-103, pertaining to an exploration project at the Ace Manganese prospects, at an estimated cost of $14,000.

The proposed work is by two adits to explore at depth.

Please ascertain whether or not the footlined short proposed by the Coordinating Committee is feasible, and the estimated cost.

J. H. East, Jr.

A. H. Koschmann

Enclosures

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cc: Koschmann
DMA

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

JUL 18 1951

REGIONAL DIRECTOR'S OFFICE
REGION IV
JUL 23 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. J. H. East, Jr., Executive Officer
DMA Field Team, Region IV
224 New Customhouse Bldg.
Denver 2, Colorado

In reply please refer to:
DMA-1274 — Manganese

Dear Mr. East:

It is requested that you arrange for a field examination of the Manganese Ace group of claims located in Section 21, T. 7S., R. 1 W, Salt Lake Meridian, 12 miles from Lehi, Utah. Dell and George Sheele, a partnership, applied for an exploration loan for a project costing $12,000. They propose driving two adits, one 240 feet in length and the other 200 feet. Although the chances of liquidating such a loan from production appear to be quite slim it is thought that the property might merit a maximum loan of $2,500 to sink an inclined shaft on the outcrop as a better means of exploration. Will you please inform us whether or not the reduced sum is warranted and whether or not the inclined shaft is a feasible project.

Two copies each of forms MF 100 and MF 103 are enclosed.

Very truly yours,

Tom Lyon

Tom Lyon
Chairman, Coordinating Committee

Enclosures

Approved:

Lowell B. Moon
For the Bureau of Mines

Oley T. Ron
For the Geological Survey

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

JUL 18 1951

July 13, 1951

Mr. Dell Steele

Nephi, Utah

In reply please refer to:
DMA-1274-X -- Manganese

Dear Mr. Steele:

A field examination of your Manganese Ace group of claims has been requested. It will be arranged by Mr. J. H. East, Jr., Executive Officer, DMA Field Team, Region IV, 224 New Customhouse Building, Denver 2, Colorado. Your cooperation aiding the field men during the examination will be appreciated.

Very truly yours,

Tom Lyon

Tom Lyon
Director, Supply Division