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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Department of the Interior
Minerals Administration

Mining Division
Region IV

November 24, 1953.

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Report of Examination - DMEA Docket 3116 (Copper), D. D. Lambert, Green Monster Mine, Wasatch County, Utah.

Enclosed are nine copies of the engineering report of examination on the subject property.

The applicant requested $63,356.62 to drive 2,600 feet of crosscuts and drifts through part of ground already covered by DMEA-171X, Contract Idm-E291, and at a depth considered to be too risky by the examiners.

The field examiners agree that an alternate proposal to explore the Green Monster ore body at a point 100 feet below the adit level near the outcrop at a total cost of $10,000.00 is justified.

We recommend the alternate proposal providing the applicant obtains a new lease and the Owner's Consent to Lien.

for John F. Shaw
W. H. King

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
1-22-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

November 16, 1953

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 3116 (Copper), D. D. Lambert, Green Monster mine, Wasatch County, Utah

Enclosed are the original and eight copies of an engineering report covering examination of the Green Monster property for DMEA loan appraisal. Also included are the necessary copies of a separate section on Summary, Conclusions, and Recommendations, three copies each of forms 6-803 and 6-993, and the original brochure.

The applicant has requested a loan of $63,356.62 to drive 2,600 feet of crosscuts and drifts through property held under sublease from the West Park Mining Co. and property owned by West Park Mining Co., but upon which the applicant has no agreement other than that as a contractor to perform certain work for the West Park Mining Co. The latter property consists of the Wasatch Marble Quarry claim, Lot No. 52. This claim is now encumbered under docket No. DMEA-171X, Contract I6m-X291; consequently, any work proposed on the claim should logically be requested as an amendment to the present contract with the West Park Mining Co. The relationship between the applicant's proposals and the claims involved is illustrated on figure 2, accompanying the engineering report. The two claims held under sublease by the applicant are the Tantamount (northerly 400' Segregated), and the west two-thirds of the Vanderbilt claim. Workings driven under the DMEA contract on the West Park property lie on the Wasatch Marble Quarry claim.

The applicant has driven approximately 450 feet of the proposed crosscut to intersect the downward projection of the West Park ore shoot on the Wasatch Marble Quarry claim. No encouraging mineralization has been encountered in this work. However, the applicant's proposals include driving toward a projection of the Green Monster mineralization, from his present lower adit (Tunnel No. 3 illustrated on figure 2 of the engineering report).

Reviewed by
DMEA OPERATING COMMITTEE

1-22-54
(date)

It is believed that exploratory work on the Green Monster property should be done from a point nearer the outcrop than from a depth approximately 140 feet below the outcrop. An alternate program consisting of a total of 200 feet of drifting, drifting and/or raising is recommended by the examiners. This work will explore the area 100 feet below the lower adit near the outcrop, and approximately 200 feet below the outcrop.

The applicant's release from West Park Mining Co. is not favorable from the standpoint of the time allowed. It is believed the applicant should be required to obtain a lease of longer duration.

I concur with the recommendation of the examining team that a lease be granted the applicant to perform work in the manner described above.

Frank L. Widemann

Frank L. Widemann
for
Stephen F. Wilson

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Denver Federal Center
Denver 2, Colorado

November 9, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3116, (Copper), D. D. Lambert, Green Monster Mine, Snake Creek District, Wasatch County, Utah

Attached are the original and 8 copies of the geologic report by C. G. Tillman of the U. S. Geological Survey on the subject property.

It has been recommended that a modified exploration project be approved.

E. M. Haschman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

Reviewed by
DMEA OPERATING COMMITTEE
1-22-54
(date)

Room 209 - 222 So. West Temple
Salt Lake City 1, Utah
November 3, 1953

Memorandum

To: A. E. Koschmann

From: G. C. Tillman for Ralph J. Roberts

Subject: DMEA Docket 3116, D. D. Lambert, Green Monster Mine, Beaver Creek district, Wasatch County, Utah (Copper)

Enclosed are 9 copies of a geologic report on the Green Monster Mine of Mr. D. D. Lambert, DMEA Docket 3116, by G. C. Tillman, geologist, U. S. Geological Survey.

Mr. D. D. Lambert applied for a DMEA loan to aid in exploration for copper ore on the Vanderbilt and Tombstone claims, Wasatch County, Utah.

Copper minerals occur at the Green Monster Mine as replacement pods and masses in contact-metamorphosed limestone and in a quartz fissure in the limestone. Approximately 150 tons of ore averaging 3 percent copper has been mined.

The field examiners recommend a modified exploration program permitting 200 feet of drifting, crosscutting and raising to explore the Green Monster showing at a lower level. Total cost of this project is estimated to be $12,000.

Reviewed by
DMEA OPERATING COMMITTEE
1-22-54

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By W. E. Young and C. G. Tillman

The lessee of the Green Monster property, Wasatch County, Utah, has applied for a DMEA loan of $63,356.62 to conduct underground exploration for copper ores. An examination of the property was made by personnel of the Bureau of Mines and Geological Survey during September 1953. Appraisal of the property was requested by the DMEA Field Team, Region IV.

Rocks in the area of the Green Monster mine consist principally of the Madison and Deseret limestones of Mississippian age intruded by dioritic rocks, probably related to the Clayton Peak diorite stock. Contact metamorphism has resulted in widespread bleaching and recrystallization of the limestone. Garnet, epidote and other silicate minerals are abundant in the metamorphosed limestone. Copper mineralization on the Green Monster property consists of chalcopyrite and bornite with pyrite in replacement masses and pods. The mineralization is found along a northwest-striking fissure and in the immediate area of the underground workings, near an igneous dike.

The Green Monster property has been developed by two short crosscuts near the outcrop. A crosscut has also been driven approximately 450 feet from a point 540 feet vertically below the outcrop. This working has not reached the area of projection of mineralization found at the outcrop.

Reviewed by
DMEA OPERATING COMMITTEE

1-22-54
(date)

The applicant has requested a loan to drive a total of 2,600 feet of crosscuts, drifts and raises. A large part of the work is proposed on property now encumbered under DMEA contract with the West Park Mining Co. Work proposed on this property is not allowable under a new contract.

The examining engineer and geologist believe that a more moderate program of exploratory work near the mineralized outcrop is warranted. It is recommended that the operator be granted a loan of $10,000 to drive 400 feet of crosscuts, drifts and/or raises.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA Docket 3116 (Copper), D. D. Lambert Green Monster Mine

Snake Creek District, Wasatch County, Utah

By
C. G. Tillman
U. S. Geological Survey

November 3, 1953

Reviewed by
DMEA OPERATIONS COMMITTEE
1-22-54
(date)

DMEA Docket 3116, (Copper), D. D. Lambert, Green Monster Mine

Snake Creek District, Wasatch County, Utah

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Fig. 1 - Index Map of Central Utah

2 - West Park, Heber Lion, and Green Monster Workings
Snake Creek District, Wasatch County, Utah

GEOLOGIC REPORT

DMEA DOCKET 3116, (COPPER) - D. D. LAMBERT, GREEN MONSTER MINE

SNAKE CREEK DISTRICT, WASATCH COUNTY, UTAH

SUMMARY

D. D. Lambert applied for a DMEA loan to aid in exploration for copper ore on the Vanderbilt and Tantamount claims, Snake Creek district, Wasatch County, Utah. Production from the Green Monster mine on the Vanderbilt claim totals about 120 tons averaging 3 percent copper.

In the Snake Creek area the Deseret and Madison limestones of Mississippian age have been intruded by dioritic rocks probably related to the Clayton Peak diorite stock. Contact metamorphism has resulted in the widespread bleaching and recrystallization of the limestone. Garnet, epidote, and other silicate minerals are abundant in the metamorpheses limestone.

The only occurrence of copper minerals on these claims is in the Green Monster mine where chalcopyrite, bornite, and pyrite are found as replacement masses and pods in a metamorphosed limestone and for a few tens of feet along a weak northwest striking fissure in the limestone. Copper mineralization at the mine occurs along both sides of an alaskite porphyry dike which strikes N. 15-25° E. across the area.

The applicant has completed 415 feet of a proposed 1,200-foot adit designed to cut a possible downward extension of certain West Park Mining Company ore bodies. This work has not yet exposed copper mineralization and the chance of finding copper ore-bodies in that part of the adit remaining to be driven on the Lambert lease is not good.

The field examiners suggest a modest exploration program whose object is to test downward extension of the Green Monster ore-body. This work involves driving a 200-foot adit in a northerly direction approximately 100 feet vertically below the New Adit of the Green Monster Mine. A total of 200 feet of drifting, crosscutting and raising is recommended to further explore copper showings in the adit. Estimated cost of the work is $12,000. It is recommended that the modified exploration program described above be approved and that the government enter into an exploration contract with the applicant.

INTRODUCTION

On June 24, 1953 Mr. D. D. Lambert applied for a DMEA loan, docket 3116, to aid in exploration for copper ore on the Tantamount and Vanderbilt claims, Snake Creek district, Wasatch County, Utah (fig. 1). The property was examined September 1 and 2, 1953 by W. E. Young, U. S. Bureau of Mines and C. G. Tillman, U. S. Geological Survey. D. D. Lambert accompanied the field examiners. The property was visited again on September 16 and 18, 1953 by C. G. Tillman.

Location and accessibility

The Lambert claims are on unsurveyed land in Wasatch County, Utah. An extension of survey lines places them in sec. 11, T. 3 S., R. 3 E., SLB&M.

The Green Monster Mine, which is on the Vanderbilt claim, may be reached by driving 8.7 miles west on paved Utah Highway 113 from the center of Heber City to the end of pavement in Midway; thence about 7.7 miles farther on dirt road up Snake Creek Canyon. Heber City is on U. S. Highway 40 about 48 miles by road east of Salt Lake City.

History and production

The application states that there has been no production from the mine. Recently, however, 120 tons of ore averaging 3 percent copper, 0.75 ounces silver, and 0.35 ounces gold per ton was shipped from a small stope in the

New Upper Adit (fig. 2) on the Vanderbilt claim. This ore is worth slightly more that $18.00 per ton. Ore averaging 5 percent copper can be mined at a profit in this district.

GEOLOGY

The sedimentary rocks in the mine area are mapped by Calkins and Butler (1943, pl. 3) as belonging to the Deseret and Madison limestones of Mississippian age. These rocks are intruded by dioritic stringers, dikes, and irregular masses probably related to the Clayton Peak stock whose main body lies 1/3 mile northeast of the mine area. Intrusive rocks are probably concealed by only a thin cover of sediments in this part of Snake Creek as evidenced by the extensive bleaching and recrystallization of the limestone and dolomite. Recrystallization has obscured the bedding so no dip and strike measurements were obtained for the limestone. Metasomatism has resulted in widespread formation of garnet, epidote, and other silicate minerals in the metamorphosed limestone. Epidote is also present in the dioritic intrusive rocks.

An alaskite porphyry dike strikes northeast across the area.

ORE DEPOSITS

Copper minerals are present in a fissure and as replacement masses in metamorphosed limestone in both the Old and New Adits of the Green Monster Mine (fig. 2).

The limestone has been bleached white and recrystallized in the vicinity of the mine. Garnet is abundant and epidote is also present in the limestone. Dioritic masses and stringers are exposed within a few hundreds of feet northeast and a few tens of feet southwest of the two adits. An alaskite porphyry dike about 25 feet thick is visible in the New Adit and at the portal of the Old Adit. This light gray dike strikes

about N. 15-25° E. and at the mine dips 80° northwest, pinching and swelling and changing strike and dip locally.

The Green Monster fissure strikes approximately N. 65° W., and dips about 80° north. Chalcopyrite, bornite, pyrite, and minor amounts of malachite form small pods and lenses replacing limestone in the fissure. Pyrite appears to be the most abundant sulfide. These pods range from a fraction of an inch to several feet in diameter. White mica is locally abundant. Average breadth of copper mineralization along the fissure may be as much as 8 feet and the maximum vertical extent about 60 feet. Strike length of mineralization is now known. Within these limits copper mineralization is spotty and includes much barren material. Only a few tons of ore are exposed. Copper mineralization abuts against both sides of the dike and extends along the southeast side of the dike for as much as twenty feet. Mineralization appears also to widen a few feet where it abuts against the northwest side of the dike. The cliff face on which the Green Monster fissure is exposed is too steep to permit tracing of the fissure for more than a few tens of feet. The possibility exists that the fissure has no great extent and that it results from the intrusion of dioritic material.

At the West Park Mine, 1/4 mile to the northeast, copper mineralization is known to extend over a vertical interval of about 280 feet. West Park ore occurs principally as replacement pods, masses, and pipelike bodies in marble near, and along the diorite contact.

The first 64 feet of the West Park No. 3 Tunnel is in white marble, the remaining 351 feet being in dark gray, medium- to fine-grained diorite. From 126 feet to 365 feet the diorite is highly argillized. White calcite stringers cross the drift at high angles in the altered zones and a few fragments of quartzite (?) are included in the diorite. No copper

mineralization was observed in this adit nor were any silicate minerals noted near the marble-diorite contact. Some epidote was observed in the diorite at various places along the adit. Possibly this zone of alteration contains, or is, the "Tantamount" fissure to which the applicant refers. Apparently the drift has not reached the projected position of the Green Monster fissure.

ORE RESERVES

There may be as much as several hundred tons of copper ore inferred in the upper workings of the Green Monster Mine whose average grade might equal that of the ore already mined, i. e. about 3 percent copper.

PROPOSED EXPLORATION

The applicant has completed 415 feet of projected 1,200-foot adit, i. e. the West Park No. 3 Tunnel, designed to cut a possible downward extension of the copper ore-bodies mined at higher levels by the West Park Mining Company. As this work will exploit ore on property belonging to the West Park Mining Company, Mr. Lambert cannot, according to DMEA advice, be granted an exploration loan to aid in completing the project. The chance of finding copper ore-bodies in that part of the adit remaining to be driven on the Lambert lease is not good. Mr. Lambert's Green Monster Mine was examined, therefore, with a view toward possible exploration of the Green Monster copper showings.

The field examiners suggest driving a 200-foot adit in a northerly direction with the portal in limestone approximately 100 feet vertically below the New Adit of the Green Monster Mine. An additional 200 feet of drifting, crosscutting and raising should be allowed at places agreed upon by the company and DMEA representatives to permit exploration of the mineralized zone. Total estimated cost of this work is $12,000 of which the government's share on a 50:50 basis is $6,000.

CONCLUSIONS AND RECOMMENDATIONS

Although no contact is exposed in the Green Monster workings and the diorite-limestone contact a few hundred feet northeast of the mine does not appear to be mineralized, the copper occurrence at the mine is in a contact setting, i. e. bleached and recrystallized limestone, lime-silicate minerals, proximity to diorite outcrop. Thus the geological occurrence of copper minerals at the Green Monster Mine is similar to that at the West Park Mine.

It is recommended that the modified exploration program discussed under Proposed Exploration be approved and that the government enter into an exploration contract with the applicant.

Literature cited -

Calkins, F. C. and Butler, B. S., 1943, Geology and Ore Deposits of the Cottonwood-American Fork Area, Utah: U. S. Geological Survey Professional Paper 201, pl. 3.

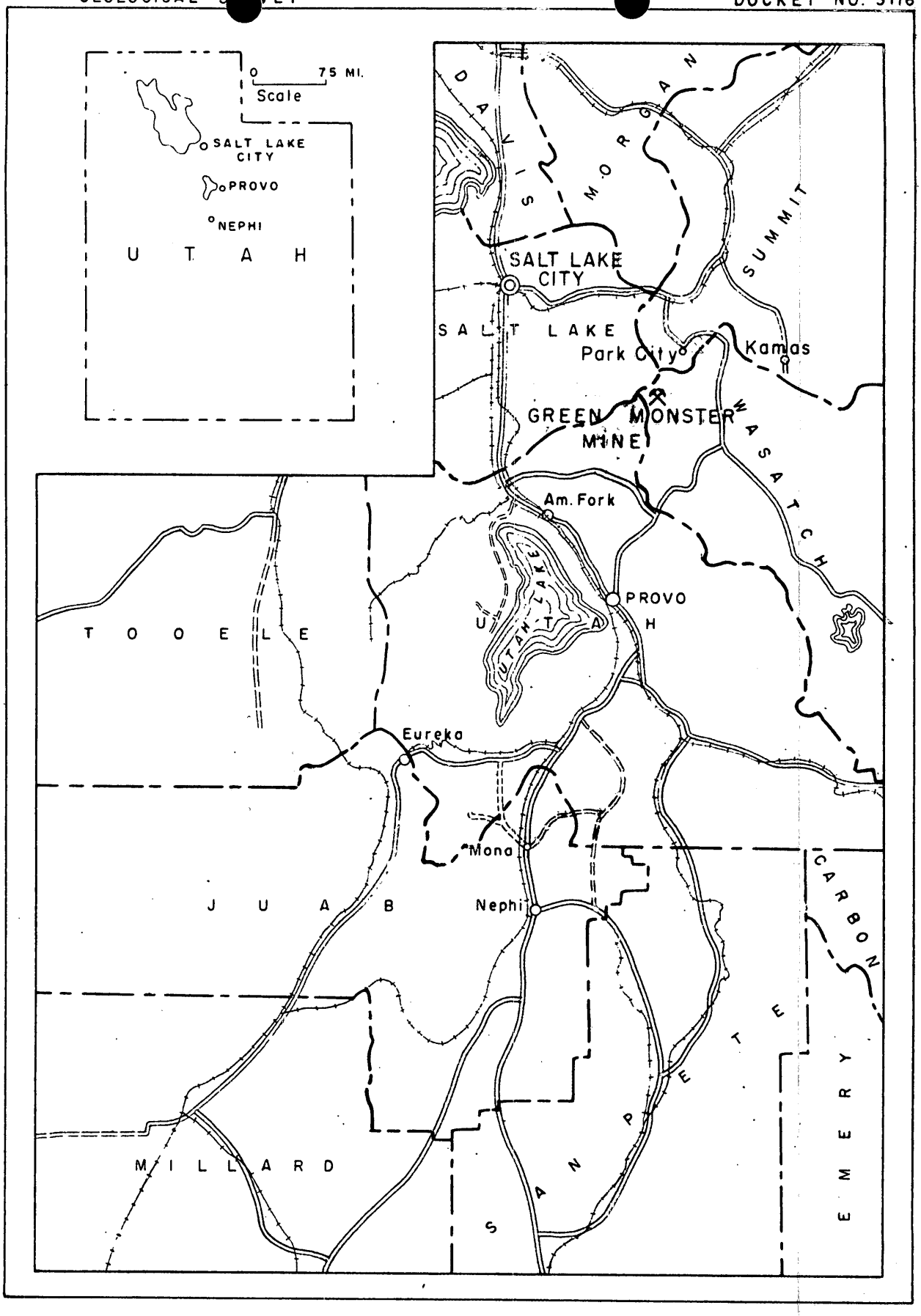

FIG. 1

INDEX MAP OF CENTRAL UTAH

0 5 10 15 20 MILES
Scale

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

DEPARTMENT OF THE INTERIOR
Minerals Administration
RECEIVED
JAN 18 1954

224 New Customhouse
Denver 2, Colorado

January 11, 1954.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket 3116 (Copper),
D. D. Lambert, Green Monster Mine, Wasatch County, Utah.

Enclosed are four copies of the report of examination on the subject docket.

The applicant failed to reply to our letter of November 20, 1953 so we presume he is no longer interested in this exploration project and we have closed the docket.

W. H. King

A. H. Koschmann

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Minerals Administration
RECEIVED

Mining Division
Region IV

November 24, 1953.

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Report of Examination - DMEA Docket 3116 (Copper), D. D. Lambert, Green Monster Mine, Wasatch County, Utah.

Enclosed are nine copies of the engineering report of examination on the subject property.

The applicant requested $63,356.62 to drive 2,600 feet of crosscuts and drifts through part of ground already covered by DMEA-171X, Contract Idm-E291, and at a depth considered to be too risky by the examiners.

The field examiners agree that an alternate proposal to explore the Green Monster ore body at a point 100 feet below the adit level near the outcrop at a total cost of $10,000.00 is justified.

We recommend the alternate proposal providing the applicant obtains a new lease and the Owner's Consent to Lien.

for John F. Shaw
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

November 14, 1953

Memorandum

To: W. R. King, Executive Officer, BMA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. BMA 3116 (Copper), D. D. Lambert, Green Monster mine, Yavapai County, Ariz.

Enclosed are the original and eight copies of an engineering report covering examination of the Green Monster property for BMA loan appraisal. Also included are the necessary copies of a separate section on Summary, Conclusions, and Recommendations, three copies each of forms 6-[illegible] and 6-[illegible], and the original brochure.

The applicant has requested a loan of $43,356.42 to drive 2,400 feet of crosscuts and drifts through property held under sublease from the West Peak Mining Co. and property owned by West Peak Mining Co., but upon which the applicant has no agreement other than that as a contractor to perform certain work for the West Peak Mining Co. The latter property consists of the Yavapai Mobile Quarry claim, Lot No. 32. This claim is now encumbered under docket No. BMA-[illegible], Contract No.-[illegible]; consequently, any work proposed on the claim should logically be regarded as an accomplishment to the present contract with the West Peak Mining Co. The relationship between the applicant's properties and the claims involved is illustrated on Figure 2, accompanying the engineering report. The two claims held under sublease by the applicant are the Sunbeam (northerly 600' depredated), and the west two-thirds of the Yavapai 34 claim. Workings driven under the BMA contract on the West Peak property lie on the Yavapai Mobile Quarry claim.

The applicant has driven approximately 450 feet of the proposed crosscut to intersect the downward projection of the West Peak ore shoot on the Yavapai Mobile Quarry claim. No corresponding mineralization has been encountered to this week. However, the applicant's proposals include driving tunnel a projection of the Green Monster mineralization, from his present lower adit (Tunnel No. 3 illustrated on Figure 2 of the engineering report).

It is believed that [illegible]

The applicant's [illegible] is not [illegible]

I concur with the recommendation of the [illegible] that [illegible] above.

Frank L. W[illegible] (signature)

Frank L. W[illegible]

for

[illegible]

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
Denver Federal Center
Denver 2, Colorado

November 9, 1955

Memorandum

To: DMEA Field Team, Region IV

From: A. M. Koschmann

Subject: DMEA Docket 3116, (Copper), D. D. Lambert, Green Monster Mine, Snake Creek District, Wasatch County, Utah

Attached are the original and 8 copies of the geologic report by C. G. Tillman of the U. S. Geological Survey on the subject property.

It has been recommended that a modified exploration project be approved.

E. N. Hackman
for A. M. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

[illegible]

[illegible]

Memorandum

To: [illegible]

From: [illegible]

Subject: [illegible]

Enclosed are 3 copies of a geologic report on the Green Meadow Mine of Mr. [illegible], [illegible], by [illegible], geologist, U. S. Geological Survey.

Mr. [illegible] applied for a DMA loan to aid in exploration for copper ore on the [illegible] and [illegible] claims, [illegible], [illegible].

Copper minerals occur at the Green Meadow Mine as replacement pods and veinlets in [illegible] limestone and in a [illegible] in the [illegible]. Approximately [illegible] tons of ore averaging 3 percent copper has been mined.

The field reconnaissance proposed a modified exploration program consisting [illegible] of drilling, [illegible] and sinking to explore the Green Meadow deposit to a [illegible] level. Total cost of this project is estimated to be [illegible].

[illegible], [illegible] and [illegible]

by [illegible] and [illegible]

The [illegible] of the [illegible] property, [illegible], [illegible], has applied for a [illegible] loan of $[illegible] to conduct underground exploration for copper ores. An examination of the property was made by personnel of the Bureau of Mines and Geological Survey during September 1974. Exploration of the property was supported by the [illegible] Field Team, Region IV.

Rocks in the area of the Green Hunter mine complex principally of the Nabiska and Pauper's Mountains of Montmorillonite are intruded by diabasic rocks, probably related to the Cayuga Talk diabase dyke. Contact metamorphism has resulted in widespread bleaching and recrystallization of the diagenite. Sulfur, calcite and other silicate minerals are abundant in the mineralized locations. Copper mineralization in the Green Hunter property consists of chalcopyrite and bornite with pyrite in replacement masses and pods. The mineralization is found along a northeast-trending shatter and in the brecciated zone of the widespread veinlets, near the hanging wall.

The Green Hunter property has been developed by two short exploratory adits along the outcrop. A crosscut has also been driven approximately 400 feet from a point 300 feet vertically below the outcrop. This workings has not reached the area of projection of mineralization found at the outcrop.

The applicant has requested a loan to drive a total of 5,000 feet of excavation, drifts and raises. A large part of the work is projected on property now consolidated under MSA contract with the Hard Rock Mining Co. Work proposed on this property is not allowable under a new contract.

The consulting engineer and geologist believe that a more extensive program of exploratory work after the aforementioned subsidy is warranted. It is recommended that the Corporation be granted a loan of $50,000 to drive 400 feet of excavation, drifts and/or raises.

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

By

[redacted]

U. S. Geological Survey

[redacted]

[illegible] Bucket [illegible], (Copper), R. F. Lambert, Green Monster Mine

Snake Creek District, Yavapai County, Ariz

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Illustrations

Fig. 1 - Index Map of Central Ariz

2 - Dark Peak, Bakey Lion, and Green Monster Workings
Snake Creek District, Yavapai County, Ariz

GEOLOGIC REPORT

DMA REPORT 3336, (COPPER) - D. D. LAMBERT, GREEN MONSTER MINE

SNAKE CREEK DISTRICT, WASHINGTON COUNTY, UTAH

SUMMARY

D. D. Lambert applied for a DMA loan to aid in exploration for copper ore on the Vanderbilt and Bankcorpt claims, Snake Creek district, Washington County, Utah. Production from the Green Monster mine on the Vanderbilt claim totals about 150 tons averaging 3 percent copper.

In the Snake Creek area the Bannack and Kaibab limestones of Mississippian age have been intruded by dioritic rocks probably related to the Clayton Peak diorite stock. Contact metamorphism has resulted in the widespread bleaching and recrystallization of the limestone. Garnet, epidote, and other silicate minerals are abundant in the metamorphosed limestone.

The only occurrence of copper minerals on these claims is in the Green Monster mine where chalcopyrite, bornite, and pyrite are found as replacement masses and pods in a metamorphosed limestone and for a few tens of feet along a weak northeast striking fissure in the limestone. Copper mineralization at the mine occurs along both sides of an diorite porphyry dike which strikes N. 15-25° E. across the area.

The applicant has completed 415 feet of a proposed 1,320-foot adit designed to cut a possible downdip extension of certain West Bank Mining Company ore bodies. This work has not yet exposed copper mineralization and the chances of finding copper ore-bodies in that part of the adit remaining to be driven on the Lambert lease is not good.

The field examiners support a minor exploration program whose object is to test downward extension of the Green Monster ore-body. This work involves driving a 200-foot adit in a westerly direction approximately 100 feet vertically below the Bar Adit of the Green Monster Mine. A total of 200 feet of drifting, crosscutting and raising is recommended to further explore copper showings in the adit. Estimated cost of the work is $32,000. It is recommended that the modified exploration program described above be approved and that the government enter into an exploration contract with the applicant.

INTRODUCTION

On June 24, 1953 Mr. R. D. Lambert applied for a MMA lease, docket 3316, to aid in exploration for copper ore on the Tenderfoot and Vanderbilt claims, Santa Fe Mining District, Yavapai County, Ariz. (Fig. 1). The property was examined September 1 and 2, 1953 by E. L. Young, U. S. Bureau of Mines and G. G. Tillson, U. S. Geological Survey. R. D. Lambert accompanied the field examiners. The property was visited again on September 16 and 18, 1953 by G. G. Tillson.

Location and accessibility

The Lambert claims are on unsurveyed land in Yavapai County, Ariz. An extension of survey lines places them in sec. 32, T. 3 S., R. 3 E., G&SRBM.

The Green Monster Mine, which is on the Vanderbilt claim, may be reached by driving 6.7 miles west on paved State Highway 113 from the center of Bisbee City to the end of pavement in Bisbee; thence about 7.7 miles further on dirt road up Santa Fe Canyon. Bisbee City is on U. S. Highway 80 about 46 miles by road east of Fort Huachuca City.

History and production

The application states that there has been no production from the mine. Recently, however, 120 tons of ore averaging 3 percent copper, 0.75 ounces silver, and 0.35 ounces gold per ton was shipped from a small stope in the

New Upper Adit (Fig. 2) on the Vanderbilt claim. This ore is worth slightly more than $10.00 per ton. Ore averaging 5 percent copper can be mined at a profit in this district.

GEOLOGY

The sedimentary rocks in the mine area are mapped by Collins and Buddington (1943, pl. 3) as belonging to the Beaver and Hudson limestones of Ordovician age. These rocks are intruded by diorite stockwork, dikes, and irregular masses probably related to the Clayton Peak stock which is only less 1/2 mile northeast of the mine area. Intrusive rocks are probably connected by only a thin cover of sediments in this part of Bailey Creek as evidenced by the extensive bleaching and recrystallization of the limestone and dolomite. Recrystallization has obscured the bedding so no dip and strike measurements were obtained for the limestone. Metamorphism has resulted in widespread formation of garnet, epidote, and other silicate minerals in the metamorphosed limestone. Epidote is also present in the diorite intrusive rocks.

An absolute porphyry dike strikes northeast across the area.

ORE DEPOSITS

Copper minerals are present in a fissure and as replacement masses in metamorphosed limestone in both the Old and New Adits of the Green Monster Mine (Fig. 2).

The limestone has been bleached white and recrystallized in the vicinity of the mine. Garnet is abundant and epidote is also present in the limestone. Diorite masses and stockwork are exposed within a few hundred feet northeast and a few tens of feet southwest of the two adits. An absolute porphyry dike about 25 feet thick is visible in the New Adit and at the portal of the Old Adit. This light gray dike strikes

about N. 15-25° E. and at the mine dips 80° northwest, pinching out swelling and changing strike and dip locally.

The Seven Number Fissure strikes approximately N. 65° W., and dips about 80° north. Chalcopyrite, bornite, pyrite, and minor amounts of malachite form small pods and lenses replacing limestone in the fissure. Pyrite appears to be the most abundant sulfide. These pods range from a fraction of an inch to several feet in diameter. White mica is locally abundant. Average breadth of copper mineralization along the fissure may be as much as 8 feet and the maximum vertical extent about 60 feet. Strike length of mineralization is now known. Within these limits copper mineralization is spotty and includes much barren material. Only a few tons of ore are exposed. Copper mineralization abuts against both sides of the dike and extends along the southeast side of the dike for as much as twenty feet. Mineralization appears also to widen a few feet where it abuts against the northwest side of the dike. The cliff face on which the Seven Number Fissure is exposed is too steep to permit testing of the fissure for more than a few tens of feet. The possibility exists that the fissure has no great extent and that it results from the intrusion of diabasic material.

At the West Rock Mine, 1/4 mile to the northeast, copper mineralization is known to extend over a vertical interval of about 300 feet. West Rock ore occurs principally as replacement pods, masses, and pipelike bodies in marble near, and along the diabase contact.

The first 44 feet of the West Rock No. 3 Tunnel is in white marble, the remaining 301 feet being in dark gray, medium- to fine-grained diabase. From 126 feet to 365 feet the diabase is highly sheared. White calcite stringers cross the drift at high angles in the sheared zone and a few fragments of greenstone (?) are included in the diabase. No copper

mineralization was observed in this adit nor were any silicate minerals noted near the marble-diorite contact. Some epidote was observed in the diorite at various places along the adit. Possibly this zone of alteration contains, or is the "Enchantment" Fissure to which the applicant refers. Apparently the drift has not reached the projected position of the Queen Hunter Fissure.

ORE RESERVES

There may be as much as several hundred tons of copper ore indicated in the upper workings of the Queen Hunter Mine whose average grade might equal that of the ore already mined, i. e. about 3 percent copper.

PROPOSED EXPLORATION

The applicant has completed 415 feet of projected 1,200-foot adit, i. e. the West Fork No. 3 Tunnel, designed to cut a possible downward extension of the copper ore-bodies mined at higher levels by the West Fork Mining Company. As this work will exploit ore on property belonging to the West Fork Mining Company, Mr. Lambert cannot, according to BMM advice, be granted an exploration loan to aid in completing the project. The chance of finding copper ore-bodies in that part of the adit remaining to be driven on the Lambert lease is not good. Mr. Lambert's Queen Hunter Mine was examined, therefore, with a view toward possible exploration of the Queen Hunter copper showings.

The field examiners suggest driving a 200-foot adit in a northerly direction with the portal in limestone approximately 100 feet vertically below the New Adit of the Queen Hunter Mine. An additional 200 feet of drifting, crosscutting and raising should be allowed at places agreed upon by the company and BMM representatives to permit exploration of the mineralized zone. Total estimated cost of this work is $12,000 of which the government's share on a 50:50 basis is $6,000.

CONCLUSIONS AND RECOMMENDATIONS

Although no contact is exposed in the Green Hunter workings and the dicalcite-limestone contact a few hundred feet northeast of the mine does not appear to be mineralized, the copper occurrence at the mine is in a contact setting, i. e. bleached and recrystallized limestone, limesilicate minerals, proximity to diabase outcrop. Thus the geological occurrence of copper minerals at the Green Hunter Mine is similar to that at the Black Jack Mine.

It is recommended that the modified exploration program discussed under Proposed Exploration be approved and that the government enter into an exploration contract with the applicant.

Literature cited -

Gulick, F. C., and Bailey, R. E., 1951, Geology and Ore Deposits of the Gilmanton-Langdon Field Area, Utah: U. S. Geological Survey Professional Paper 232, pp. 1.

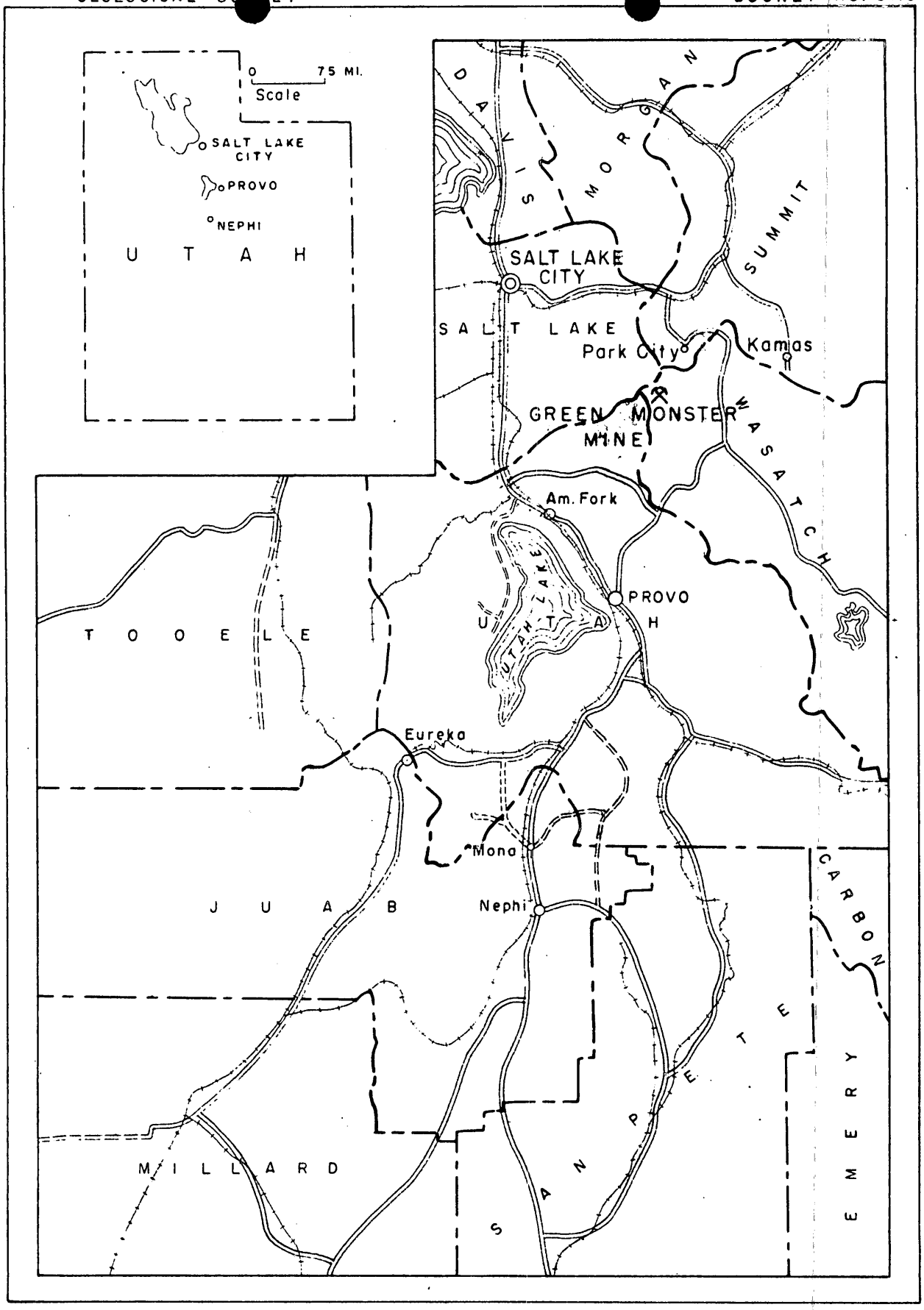

FIG. 1

INDEX MAP OF CENTRAL UTAH

0 5 10 15 20 MILES
Scale

[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

Engineering Report

[illegible]
Mining engineer
Bureau of Mines

GREEN MOUNTAIN MINE
D. D. LAMBERT, OWNER
WASATCH COUNTY, UTAH

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ILLUSTRATIONS

Fig. 1 Location map, Green Mountain mine, Wasatch County, Utah
Fig. 2 Topographic and geologic plan map
Fig. 3 Section through Green Mountain deposits

INTRODUCTION

The Green Monster mine was examined on September 5, 1959, by a geologist of the Geological Survey and an engineer of the Bureau of Mines. The examination was made at the request of the Regional Field Team to appraise the property for a Government assistance loan.

The mine is located at the head of Snake Creek Canyon in Wasatch County, Utah, midway between the old mining camps of Park City and Alta (Fig. 1).

The property adjoining on the northeast, the West Park mine, has been developed over the period of the last five years, and at present is producing copper ores. The West Park Mining Co. has a DMEA loan for exploratory assistance. A map of the West Park mine, prepared by the Bureau of Mines, has been extended to include the area of the Green Monster property (Fig. 2).

The project proposed by the applicant consists of drifting and crosscutting. The work as outlined has two objectives, namely, the intersection of the West Park ore shoot at depth and intersection of a projection of the Green Monster mineralized outcrop at depth. The applicant at present has driven 150 feet of drift at an elevation to intersect the Green Monster outcrop 300 feet below the surface (Tunnel No. 3, Fig. 2). Exploration of the West Park property by the applicant is not permissible and is the responsibility of the West Park Mining Co., now operating under a DMEA exploratory project.

Exploration of a projection of the Green Monster outcrop at this depth is considered too much of a risk, thus an alternate proposal is made by the examiners.

LOCATION AND PHYSICAL FEATURES

The Green Monster property lies at the head of Snake Creek Canyon in unsurveyed T. 3 S., R. 3 E., S.L.B. & M. The area is reached via Midway, Utah, over a dirt road with steep grades. A new, 3-mile stretch of dugway road is being constructed by the applicant in conjunction with the West Park Mining Co. and Wasatch County Road Commission. This road eliminates most of the steeper grades and provides bladed-fill construction for easy snow removal over critical distances. It is believed that after completion of this new road, the properties in the area will be able to operate during winter months.

Heber City, approximately 16 miles from the Green Monster property, is the nearest shipping point.

HISTORY AND PRODUCTION

The area was prospected in the early days, and a small tonnage of copper and lead-silver ores was shipped from the Green Monster. There is no record of this production, but it is known to have been small because of the difficult access to the area. The neighboring West Park Mining Co. has shipped 142 tons of ore since 1946, with an average net value of approximately $13.56 a ton. The applicant

bulldozed a road to the outcrop of mineralization on the Green Monster and has made two 60-ton shipments. The two lots averaged 5.0 percent copper, 0.75 ounce silver, and 0.004 ounce gold per ton.

OWNERSHIP AND ACCESS

The property, held under options by the applicant, consists of two patented claims, the Tombstone (northerly 600 feet, fractional), Survey 3463, and the westerly two-thirds of the Tombstone claim, Survey 3463 (Fig. 2). The property is owned by E. Henry Gleinfield and Fern M. Gleinfield of Salt Lake City, Utah; Elvella Hedberg of Santa Monica, California; and Vera E. Irvine and Averill Madge Irvine of Idaho Falls, Idaho. The West Park Mining Co. holds a lease on the property. A guarantee has been granted to E. F. Lambert, the applicant.

PHYSIOGRAPHY OF THE DEPOSITS

The rocks of the area are Mississippian limestones that have been intruded by irregular diorite masses and dikes which appear to be related to the main intrusive, the Clayton Peak stock. Intense metamorphism has resulted in hornfels and marbleized limestone near the contacts. The limestone beds have a regional strike of north-south and dip gently to the east about 15°. Generally, the deposits have the appearance of contact replacements in the limestones. However, some features are discernible and inconsistent with replacement

by chalcopyrite, magnetite, and some bornite has taken place along fissures some distance from the intrusive masses.

The Green Monster outcrop has the appearance of a circular pipe partially replacing the limestone. A 60-foot crosscut has intersected the pipe at shallow depth, and the central core has been mined. A porphyry dike, striking approximately N. 25° E., cuts through the mine area. Mineralization occurs on both sides of the dike. A sample cut on the north side of the dike assayed 7.25 percent copper, .005 ounce gold, and 4.9 ounces silver per ton.

ORE RESERVES

Developed ore reserves on the property are negligible. A few shipments of ore may be expected from above the 60-foot crosscut by careful, selective mining. Insufficient work has been done at any place on the property to measure any reserves.

MINING METHOD

The Green Monster outcrop is intersected at shallow depth by a 25-foot crosscut. Good copper mineralization has been exposed by this work. Another 60-foot adit intersects the pipe at an additional 60-foot-lower elevation. Weaker mineralization was encountered at this elevation. Two shipments have been made. Considerable waste-placed limestone must be sorted from the broken rock to permit an acceptable grade of ore.

PROPOSED PROGRAM

The applicant proposes to drive 1,100 feet of adit and 1,500 feet of additional crosscuts and drifts. This work was planned to develop the Green Monster and West Park ore bodies jointly. The adit was started at an elevation 140 feet below the outcrop of the Green Monster. Four hundred fifty feet of adit has been driven. Exploration of the West Park property by a BMA lease to the applicant is not permissible, inasmuch as the West Park Mining Co. controls the property and is presently operating under contract No. BMA 171K. Projection of the Green Monster mineralization to this depth is considered too risky, thus an alternate proposal is suggested. It is proposed that the Green Monster ore body be explored by driving a 400-foot adit at an elevation of 9,120 feet (Fig. 3). This adit will cut the projection of mineralization approximately 110 feet below the point intersected by the 50-foot adit. An additional 300 feet of drifts, crosscuts and/or raises is also proposed for further exploration of the expected mineralization. A total of 400 feet of work is proposed.

EQUIPMENT OF THE PROPERTY

The equipment listed below is presently on the property and available for use:

- 1 portable, diesel-driven compressor
- 1 D-9 dozer
- 1 [illegible] pump
- 4 mine cars
- 1 [illegible]
- 1 [illegible] machine.

ESTIMATE OF COSTS

The following costs are estimated for the alternate exploratory program:

Labor and Responsibilities

		Per month
2 miners at $14 per day -- $1,050.00 $42 x 25 days		
1 supervisor, 1/4 month - 125.00 at $500 per month		
Bookkeeping, $50 per month	12.50	$1,225.00
Payroll taxes, liability insurance, at 15 percent		147.00
		$1,372.00
$1,372 per month x 4 months		$5,488.00

Expendable Materials and Supplies

Timber, 4,400 bd. feet at $100 M	$ 440.00
100 trunk line at $.25 each	30.00
Explosives, 400 feet at $0.15 per foot	240.00
Pipe, 500 feet 2-inch black pipe at $.40 per foot	200.00
300 feet 1-inch black pipe at $.18 per foot	54.00
Trash, 400 feet 12-lb. track at $770 M, complete	308.00
Bell steel and bits at $2.00 per foot	400.00
Miscellaneous (small tools, gas and oil, etc.)	1,000.00
	$3,258.00

Expendable Equipment

		Per month
Depreciation		
1 350-cfm. compressor	$9,000	$ 150.00
1 D-7 dozer	1,200	20.00
1 jumbo	200	3.33
2 mine cars, $100 each	200	3.33
1 jeep	600	10.00
1 sampling machine	1,420	23.67

Depreciation over 5-year period, per month --- $ 244.16

[illegible] per month x 4 months ---------- $ 976.64

Labor and supervision ---------- $[illegible]
Supplies ---------- 3,[illegible]
Depreciation ---------- [illegible]

Total ---------- $[illegible],715.14

$[illegible].14 = $[illegible] per foot
[illegible]

Manpower is available from surrounding towns and communities. Water for camp use is available from Snake Creek.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that exploratory work on the West Fork mine or any one outcropping on the Tenmile Marble Quarry claim is the responsibility of the West Fork Mining Co. and cannot be done with Government assistance by a Contractor. Projection of Mineralization on the Green Monster mine a vertical distance of 525 feet is considered too great a risk. Therefore, an alternate proposal is recommended to do 400 feet of drifting, undercutting, and/or raising. This work will be within the unleased block held by the applicant. The work can be done on a cost not to exceed $10,000.

It is recommended that the Government enter into a contract with the applicant for 400 feet of development drifting, undercutting and/or raising. It is suggested that the contract be drawn on the short-term at a price of $25 per foot for the proposed alternate work.

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

224 New Customhouse
Denver 2, Colorado

January 5, 1954.

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3116 (Copper), D. D. Lambert, Green Monster Mine, Wasatch County, Utah.

We have had no reply to our letter to the Applicant dated November 20, 1953, copy of which was forwarded your office.

We have closed this docket.

W. H. King

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

Defense Minerals Administration
RECEIVED
NOV 27 1953

224 New Customhouse
Denver 2, Colorado

November 24, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket 3116 (Copper), D. D. Lambert, Green Monster Mine, Wasatch County, Utah.

Exploration aid in the amount of $10,000.00 will be approved by this office providing the applicant obtains a new lease.

Four copies of the report of examination will be forwarded you when the contract is executed.

Two copies of Form 3b are attached.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

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

Defense Minerals Administration
RECEIVED
NOV 27 1953

224 New Customhouse
Denver 2, Colorado

November 24, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Report of Examination - DMEA Docket 3116 (Copper), D. D. Lambert, Green Monster Mine, Wasatch County, Utah.

Exploration aid in the amount of $10,000.00 will be approved by this office providing the applicant obtains a new lease.

Four copies of the report of examination will be forwarded you when the contract is executed.

Two copies of Form 3b are attached.

W H King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

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

221 New Customhouse
Denver 2, Colorado

November 2, 1953

Mr. T. W. Lambert
110 South 3rd Street
Provo, Utah

Re: Docket DMEA 3116

Dear Mr. Lambert:

Reference is made to your application for exploration aid on the Green Monster Mine at a cost which you estimated to be $63,356.62. Some of your proposed work is through property on which a DMEA project is still active and was at a depth which we consider to be too far below the known ore in the Green Monster to make the proposal attractive.

We would consider entering into an exploration contract with you for exploratory work on the Green Monster property from a point nearer the outcrop than your proposed depth of approximately 310 feet below the outcrop.

An alternate proposal is suggested. It is proposed to explore the Green Monster ore body by driving a 200 foot adit at an altitude of 9,120 feet at the location indicated in section C-C', Figure 3, and Figure 2, copies of which are attached. This adit will cut the projection of mineralization approximately 110 feet below the point intersected by the 60 foot adit. An additional 200 feet of drifts, crosscuts, and/or raises is also proposed for further exploration of the expected mineralization.

The copy of the 3-d agreement dated March 20, 1953, between you and the West Fork Mining Company provides for the driving of the deep tunnel to be completed 1,200 feet on or before December 31, 1953. This lease could be invalidated if you fail to complete the 1,200 feet and is not satisfactory for contract purposes.

If you are interested in our alternate proposal at a total cost not to exceed $10,000, please obtain a new lease which would be contingent upon the alternate proposal instead of the work at greater depth and send to this office a signed copy of the new lease. This new lease should be for a period which would amply protect your interest.

Copy to: C. A. Mittendorf
A. L. Reichmann
S. A. Wilson
Ralph Roberts
J. J. Connors
Sub

Enclosed are six copies of Form NF-203, Owner's Consent to Lien. Please have the owners of the property sign all copies and return them to this office if you are successful in obtaining a new lease and are interested in our alternate proposal.

If we do not receive the new lease and the Owner's Consent to Lien within 30 days we will assume that you are not interested in the exploration of the Green Monster at the higher elevation and we will close the docket.

Yours very truly,

W H King

W. H. King

A. H. Koschmann

A. H. Koschmann

Enclosures

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

224 New Customhouse
Denver 2, Colorado

August 14, 1953

Memorandum

To: C.O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3116, D. D. Lambert, Green Monster Mine, Wasatch County, Utah

Enclosed is a copy of a letter dated August 10, 1953 which we received from the applicant D.D. Lambert and a copy of our reply.

W. H. King
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

August 14, 1953

Memorandum

To: C.O. Mittenderf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docket No. DMEA-3116, D. D. Lambert, Green Monster Mine, Wasatch County, Utah

Enclosed is a copy of a letter dated August 10, 1953 which we received from the applicant D.D. Lambert and a copy of our reply.

W. H. King

W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

August 14, 1953

Mr. D. D. Lambert
110 South Third Street East
Provo, Utah

Re: Docket No. DMEA-3116

Dear Mr. Lambert:

This will acknowledge receipt of your letter dated August 10 requesting information concerning your recent application.

Your application was forwarded to the Washington office for review. We should have their instructions at an early date.

Very truly yours,

W. H. KING

W. H. King
Executive Officer, DMEA
Field Team, Region IV

HMC:jp
cc Subject
Chron
SRWilson
AHKoschmann
COMittendorf

COPY

Mr. Wm. H. King

224 New Customhouse

Denver, Colo.

Provo, Utah

Aug. 10, 1953

Dear Mr. King:

I am in receipt of notice of filing of my application for DMEA loan 3116, which was acknowledged July 10, 1953, by Robert E. Adams, Chief, Operations control and Statistics Division, Washington, D.C., and since I have heard nothing further.

I was in contact with the Salt Lake Office of the Bureau of Mines today and they suggested that I contact you, and give you some of information about the case.

First, if we could expedite the case as much as possible, because the season where we are mining is short, and I could arrange to prepare for winter production if I knew I was going to be able to secure the assistance.

Second; the large ore bodies we feel is located in this project are well worth the consideration, and we are preparing to make a new road, so we can ship more readily and a much larger quantity. In fact we have already made more than two miles of improved road, and as we are almost 9000 feet in elevation, I am sure you can appreciate the urgency of the element of time.

I hope you will excuse my seemingly anxiety, but I am sure you will understand the necessity for us to receive some definite information, as soon as it is convenient.

Thanking you for any service you may be able to do us.

Yours very truly,

/s/ D. D. Lambert

D. D. Lambert
110 So. 3rd East
Provo, Utah.

500 918

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

Keating
Selfridge
Johnson

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

AUG 1 0 1953

Re: Docket No. DMEA 3116 (Copper)
D. B. Lambert
Green Monster Mine
Wasatch County, Utah

Dear Mr. King:

A review of the above application has been made by the Washington commodity members and by the DMEA Base Metals Division. The review indicates that a field examination should be made and, therefore, you are requested to schedule an examination of this project. For your information reports from USGS and USBM members are enclosed.

Your attention is called to the possible conflict and duplication between the work presently being carried on by the West Park Mining Company under Docket No. DMEA 171, Contract No. Idm-E291, and the work proposed in the subject application. It appears that the West Park Mining Company's property is contiguous with the Applicant's property, and is on a fissure which parallels the fissures which the Applicant proposes to explore.

The Applicant's proposal appears to have lease requirements which are in conflict with the West Park Mining Company's operation.

We find that we do not have sufficient information relative to this project to properly appraise the proposed program of exploration on the Tantamount and Green Monster fissures. Will you please endeavor to have the Applicant remedy these deficiencies.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

AGKeating/hmj (8/6/53)

Copy to: Docket
Adm. R. File
Op. Committee
Base Metals Division
Mr. Kinkel
Mr. Bishop
Chron.

APPROVED:

J. H. Hedges
Member, Bureau of Mines

A. R. Kinkel, Jr.
Member, Geological Survey

900

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

August 6, 1953

Keating
Griswold
Leffingwell
Kinkel
Hodgson
Hefelbower

Mr. D. D. Lambert
110 South 3rd E
Provo, Utah

Re: Docket No. DMEA 3116 (Copper)
Green Monster Mine
Wasatch County, Utah

Dear Mr. Lambert:

Your application for exploration assistance in the above project has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and has been referred for field examination to:

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

The Region Office will communicate with you in regard to your project at their earliest opportunity.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Base Metals Division

8-10-53

AGKeating/hmj
(8/6/53)
CC to:
Docket
Adm. R. File
Op. Committee
Mr. Kinkel
Mr. Bishop
Field Team, (2) (Region IV)
Chron

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 15 1953

IN REPLY REFER TO:

July 15, 1953

Memorandum

To: Mr. W. R. Griswold

From: E. L. Newcomb

Subject: Recommendation for field referral

Re: DMEA-3116
Green Monster Property
Snake Creek District
Wasatch County, Utah
$63,356.62
Copper

The applicant requests assistance to explore two mineralized fissures on the Tantamount and Green Monster Claims. The proposal consists of driving a 1200-foot crosscut tunnel and drifting 1500 feet on the two fissures.

Previous work on the claims has been limited to a 20-foot adit on the Green Monster and a 75-foot adit on the Tantamount. The only information available concerning mineralization on the fissures is the applicant's statement that picked samples from the 20-foot adit ran about 30% copper.

The applicant's project is located on claims leased by West Park Mining Company. At present the West Park Mining Company is exploring the West Park fissure on the Wasatch Marble Quarry Claim under a DMEA contract (DMA-171X). This contract is on property contiguous with the applicant's property and on a fissure which appears to be parallel to the Green Monster and Tantamount fissures.

In the applicant's lease from the West Park Mining Company, paragraph 14 stipulates that the tunnel is to continue 1200 feet from the portal (75-foot adit portal). This would extend the tunnel into ground included in West Park's DMEA contract. Although it is not readily apparent in the application, it appears that the 1200-foot tunnel would be within 50 feet of the elevation of present work on the West Park fissure.

We do not have sufficient data available to fully evaluate the merit of exploring the Tantamount and Green Monster fissures. Although the West Park fissure (DMA-171X) was worthy of exploration assistance, it is entirely possible that the Tantamount and Green Monster claims lack favorable geological evidence for further exploration. As the applicant's proposed work involves the West Park (Wasatch claim) property and appears to have lease requirements which are in conflict with West Park's present DMEA contract, the application should be referred to the field team for an examination. If the field

team considers the Tantamount and Green Monster fissures are worthy of Government exploration assistance, it is quite possible that the applicant's lease agreement can be amended to satisfy DMEA requirements.

E. L. Newcomb

E. L. Newcomb
Geologist

IN REPLY REFER TO:

DEPARTMENT OF THE INTERIOR
BUREAU MINES ADMINISTRATION
RECEIVED
JUL 16 1953

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

July 15, 1953

Memorandum

Re: DMEA-3116
Green Monster Property
Snake Creek District
Wasatch County, Utah
$63,356.62
Copper

To: Mr. W. R. Grimsold

From: E. L. Newcomb

Subject: Recommendation for field referral

The applicant requests assistance to explore two mineralized fissures on the Tantemount and Green Monster claims. The proposal consists of driving a 1200-foot crosscut tunnel and drifting 1500 feet on the two fissures.

Previous work on the claims has been limited to a 20-foot adit on the Green Monster and a 75-foot adit on the Tantemount. The only information available concerning mineralization on the fissures is the applicant's statement that picked samples from the 20-foot adit run about 30% copper.

The applicant's project is located on claims leased by West Park Mining Company. At present the West Park Mining Company is exploring the West Park fissure on the Wasatch Marble Quarry Claim under a DMEA contract (DMA-171X). This contract is on property contiguous with the applicant's property and on a fissure which appears to be parallel to the Green Monster and Tantemount fissures.

In the applicant's lease from the West Park Mining Company, paragraph 14 stipulates that the tunnel is to continue 1200 feet from the portal (75-foot adit portal). This would extend the tunnel into ground included in West Park's DMEA contract. Although it is not readily apparent in the application, it appears that the 1200-foot tunnel would be within 50 feet of the elevation of present work on the West Park fissure.

We do not have sufficient data available to fully evaluate the merit of exploring the Tantemount and Green Monster fissures. Although the West Park fissure (DMA-171X) was worthy of exploration assistance, it is entirely possible that the Tantemount and Green Monster claims lack favorable geological evidence for further exploration. As the applicant's proposed work involves the West Park (Wasatch claim) property and appears to have lease requirements which are in conflict with West Park's present DMEA contract, the application should be referred to the field team for an examination. If the field

team considers the Tantamount and Green Monster fissures are worthy of Government exploration assistance, it is quite possible that the applicant's lease agreement can be amended to satisfy DMEA requirements.

Signed

E. L. Newcomb
Geologist

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 14 1953

July 13, 1953

Memorandum

To: W. R. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-3116 (Copper) D. D. Lambert, Green Monster Mine, Wasath County, Utah

I have reviewed the above-named application, which is returned herewith, and shall be glad to concur in a referral to the field team if you so desire.

The application is unsatisfactory in several respects, but is doubtful that the situation can be much improved by correspondence, whereas a conference with the applicant and a visit to the property might clear up these matters without delay.

For one thing, the statement of property ownership is confused and the description of some of the ground held under lease appears to be wrong. I cannot determine from the application what interest the applicant has in the Wasatch claim, yet the proposed 1100 feet of tunnel will extend a considerable distance into that claim.

The terms of the lease itself should be considered in connection with the application as they may be unsatisfactory to DMEA in certain respects.

The justification for exploration is inadequate; practically no information is given as to the mineral showing which is the basis for the proposed work. It would seem advisable to expend considerably more effort on the exploration of the vein outcrops before driving a lower level adit.

C. H. Johnson

C. H. Johnson

Attachment

Copy to - Minerals Division
Mr. Kinkel, GSA, B-242-A
C. H. Johnson
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
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C. H. Johnson

C. H. Johnson

Attachments

Copy to - Minerals Division
Mr. Kinkaid, DMEA, R-[illegible]-A
Files [illegible]

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

July 10, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

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 IV.

DMEA - 3116 - D.D. LAMBERT, Green Monster Mine.

ROBERT E. ADAMS

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

33980

July 10, 1953

Mr. D. D. Lambert
110 S. Third E.
Provo, Utah

Subject:
Re: DMEA-3116
Exploration Assistance
Green Monster Mine

My dear Mr. Lambert:

The receipt of your application dated June 24, 1953, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3116 and referred to the Base Metals Division.

Kindly refer to DMEA-3116 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

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

224 New Customhouse
Denver 2, Colorado

July 7, 1953

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: (Copper) - Application of D. D. Lambert, Green Monster Mine, Wasatch County, Utah

Enclosed are three copies of the subject application for exploration aid in the amount of $63,356.62. One copy of the application is being retained in this office.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosure

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

224 New Customhouse
Denver 2, Colorado

July 7, 1953

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: (Copper) - Application of D. D. Lambert, Green Monster Mine, Wasatch County, Utah

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W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosure

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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-3116
Metal or Mineral
Date Received 7/10/53
Estimated Cost
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: D. G. Lambert
110 S. 3rd E.
Provo, Utah

(*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

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

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

(*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

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

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.*—State the mineral or minerals for which you wish to explore .....

(*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 ..... days and be completed within ..... 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?

☐ 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 June 24, 1953

D. D. Lambert
(Applicant)

By .....

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

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

D.D.Lambert
Application For Aid

1. Name of Applicant:

D. D. Lambert
110 S. Third W.
Provo, Utah

2. General:

Four copies of this application and accompanying papers are submitted herewith - my name and address on each sheet,

3. Applicant's property rights:

(a) Property to be explored is held under a lease and is discribed as follows:

Mining claims and property situated in Snake Creek Mining District, Wasatch County, State of Utah, namely,

The Northerly 400 feet (segregated) of the Tantamount Lode mining claim, Lot No. 3453, and

That part of the Vanderbilt Lode mining claim, Lot No. 3453, adjoining the north boundary of the Northerly 400 feet (segregated) of the Tantamount Lode, described as follows: Beginning at corner No. 1 of the said Vanderbilt Lode mining claim, thence N. 87°5' E. 753.4 feet to corner No. 2 of said Northerly 400 feet (segregated) of the Tantamount Lode; thence N. 3°20' W. 480 feet more or less to intersect the sideline of the Wasatch Marble Quarry Lode mining claim, Lot No. 58; thence N. 47° W. 180 feet more or less to the north sideline of said Vanderbilt Lode mining claim; thence S. 87°5' E. 625 feet more or less to corner No. 4 of said Vanderbilt Lode mining claim; thence S. 3° 20' W. 600 feet to corner No. 1 of said Vanderbilt lode mining claim, the point of beginning.

Together with all lode veins and mineral deposits therein with the dips, spurs, angles, and variations, and all rights of way, easements, and franchises appurtenant or insident thereto or belonging therewith.

(b) It is locally called the Green Monster mine.

(c) Applicant's interest is a sub-lease terminating Dec. 31, 1955, the lessor being West Park Mining Company of Provo, Utah, and the owners being M. Parry Glanfield and Cora M. Glanfield of Salt Lake City, Utah, Estelle Budlong of Santa Monica, California, and Vera W. Irvine and Arrilla Madge Irvine of Idaho Falls, Idaho.

(d) Four copies of the lease are attached hereto marked "S-d Agreement."

(e) Not applicable.

(f) Not applicable.

4. Physical description:

(a) Prior to applicant's operation of the property, the only exploration

Application for aid.
D. D. Lambert,
110 S. 3 E., Provo, Utah

4. Physical description (continued from page 1):

work seen consisted of (1) a short "L" shaped adit about 20' long high up in a cliff in which there is exposed a good grade of copper ore, picked samples running about 30%; and (2) a 75' adit about 250 feet lower in elevation that evidently was intented to prospect the showing in the cliff at that depth.

Applicant began work June 1, 1953 and has widened and lowered the grade of the 75' adit and is now engaged in extending it in a northerly direction to serve two purposes, (1) to prospect by crosscutting two mineralized zones on applicant's leasehold, and (2) to explore by crosscutting at the adit level the present ore deposit of the Lessor, West Park Mining Co.

There are no mine buildings nor ore bins, but applicant anticipates constructing them. Mine is equipped with a 365 c.f.m. Gardner-Denver Air Compressor, a one-drill Jumbo, a Drifter, steel, hose, Muking Machine, two Ore Cars, and a Water Tank Car, which will be available for production purposes.

An access road to the portal of the tunnel permits travel by automobile and truck and ready accessibility for examination purposes.

(b) There has been no production. Present work is exploratory.

(c) The adit or tunnel is being driven in limestone, probably the Deseret, which covers the surface area. The property is traversed from south to north by a quartz-diorite dike which is intersected at about 500 feet from the portal by an east-west trending mineralized fissure, and at about 600 feet by a second one. This latter one carries into the cliff where the "L" shaped adit exposes the good copper ore (the green showing being the X "eye" of the Green Monster). At the base of the cliff there is a north-south trending fissure or shear zone that may well have a bearing on the Green Monster enrichment because of its intersection of the east-west mineralized zone.

If the extension of the tunnel now being driven discloses a well mineralized zone at 300 feet or thereabouts, applicant will drift east and west to the limits of the leasehold. Then at about 600 feet should the tunnel cross another mineralized zone (the probable extension of the east-west Green Monster fissure), applicant desires to prospect it to the limits of the leasehold, about 750 feet. (See map "5 - b")

(d) The railroad shipping point is a ramp on the Charleston switch of the D. & R. G. R. R. 11 miles distant from the mine. A hard surfaced road runs from the RR about 3 miles on through the town of Midway, and a gravelled road from there 5 miles to Heber Light & Power electric plant in Snake Creek Canyon, with a dirt road 3 miles from there to the mine.

On account of the short distance to town, the employees prefer to commute daily to and from work. For those who may prefer to stay, applicant proposes to build a bunkhouse with kitchen facilities. Supplies of lumber and timber are available at local sawmills at and near Heber City about 15 miles distant. Many other mining supplies are also available there. The numerous mining supply houses in Salt Lake City are about 50 miles distant on a good highway.

(e) Manpower is supplied from the local settlements of Midway, Charleston, and Heber City. There is no difficulty in securing both skilled and unskilled labor. As stated in (d) above, materials, supplies, and equipment are easily accessible. The mine is in one of the main watersheds of Utah and the tunnel will develop ample seepage water for mining purposes. Snake Creek, about 1000 feet distant, furnishes fine culinary water. Power will be supplied by diesel engines, although Utah Power & Light Co. power lines are available about 1½ miles distant.

5. The exploration project:

(a) It is proposed to explore for copper.

(b) The work will consist of three parts:

1st. The lease granted applicant contains as part of consideration a requirement that applicant extend the tunnel 1200 feet from the portal into West Park Mining Co. ground where it is expected to intercept the downward extension of that company's present orebody which is about 200 feet above and apparently going down.

2nd. To drift both easterly and westerly to the limits of the leased ground on fissure that is expected to be crosscut at about 300' from the portal of the tunnel. See "5-b Map."

3rd. To drift easterly and westerly to the limits of the leasehold on the Green Monster fissure that it is expected will be cut at about 600' from the portal. See "5-b Map."

(c) The work is now in progress in the tunnel and the tunnel will be completed before Dec. 31, 1953, and the drifting before Dec. 31, 1954.

(d) Applicant worked as a youth in the mines of the Park City area and has a general working knowledge of mining. By vocation, however, he is a building contractor. He will supervise the operations. He has experienced miners now running the tunnel work.

6. Estimate of costs:

(a) Independent contracts: None.

(b) Labor, supervision, consultants:

	Tunnel	Drifts
2 miners and 2 muckers @ $10 per ft. advance 1100 feet of tunnel, 1500' of drifts	$11,000.00	$15,000.00
1 supervisor (13 working months) @ $400	2,400.00	2,800.00
1 consultant	900.00	1,050.00
	14,300.00	18,850.00

(c) Operating materials and supplies:

5800' 16# mine rail @ $180 T	1,055.00	1,440.00
Fish plates, bolts, spikes	100.00	125.00
2600' 2" Black Pipe @ .3654	401.94	548.10
Diesel fuel, grease, oil, gasolene	1,500.00	2,000.00
Air and water hose and small tools	400.00	400.00
Drill steel and bits	1,100.00	1,500.00
Carbide	50.00	65.00
Assaying	50.00	100.00
	4,656.94	6,178.10

6. Estimate of costs (continued):

(d) Operating equipment:

	Tunnel	Drifts
Rent of 365 cfm air compressor, diesel motor	3,000.00	3,500.00
" " mucking machine	1,800.00	2,100.00
" " one-arm Jumbo	1,200.00	1,400.00
" " Drifter	600.00	700.00
Depreciation on pickup truck	180.00	210.00
" " 2 mine cars	36.00	42.00
" " water tank car	18.00	21.00
	6,834.00	7,975.00

Note: 75% of rent will apply on purchase price if applicant elects to buy

(e) Rehabilitation and repairs: None.

(f) New buildings, improvements, installations:

Compressor and machine shed: (12 x 20)	
Roofing paper, 3 rolls	$18.00
Sheet aluminum, 500 sq. ft.	42.00
1 window	15.00
1 door	20.00
Nails	4.00
Labor, carpenter & helper, 8 d.	256.00
	$355.00
Cabin: (12 x 20)	
Roofing paper, 3 rolls	18.00
Sheet aluminum 300s.f.	42.00
3 windows	45.00
1 door	15.00
Insulation	50.00
Sheet-rock board	40.00
Nails	6.00
Labor, carpenter & helper, 12 d.	384.00
	$600.00

(g) Miscellaneous:

Analytical work included in (c)	
Accounting service	$400.00
Workmen's compensation insurance	
Tunnel	377.54
Drifts	767.18
Buildings	27.58
Employers social security tax	
Tunnel	201.00
Drifts	267.00
Buildings	9.60
Unemployment compensation tax	
Tunnel	361.80
Drifts	480.60
Buildings	17.28
	$3109.58

6. Estimate of costs (continued):

(h) Contingencies:

Maintaining access road to mine, etc. $500.00

Recapitulation:

		Tunnel	Drifts
Labor, etc.		$14,800.00	$18,850.00
Operating Materials, etc.		4,656.94	6,178.10
Operating equipment		6,854.00	7,975.00
New buildings		955.00	
Miscellaneous	(Accounting)	190.00	210.00
"	Other for buildings	54.46	
"	"	1,140.34	1,514.78
Contingencies		200.00	500.00
		$28,330.74	$35,025.88

total 63,356.62

7. Share of costs.

(a) (b) Applicant will supply his share of cost from private sources. He will personally supervise the project; but since he cannot give his full time to his regular contracting business and supervise this work, too, he must charge it with $400.00 per month for his time or hire someone to do it for him. He furnishes his own pickup truck, ore cars, and water tank car on which depreciation of $300.00 per month is shown above.

D.D.Lambert
110 S. 3 W., Provo, Utah

A g r e e m e n t

This agreement made this 26th day of March, 1953, by and between WEST PARK MINING COMPANY, a Utah corporation of Provo, Utah, hereinafter designated the "Lessor", and D. D. LAMBERT of Provo, Utah, hereinafter designated the "Lessee" witnesseth:

That whereas the Lessor has possession of (1) the locally named "Green Monster" mine consisting of U. S. Survey Lot No. 3453, and (2) the Wasatch Marble Quarry Lode mining claim, Survey Lot No. 52, which Lessor has been exploring; and Lessor desires to further explore and develop said properties by means of a deep tunnel; and

Whereas Lessee represents that he is able and willing to undertake the driving of such a deep tunnel provided Lessor will grant him a lease on the said "Green Monster" mine;

Now, therefore, the said Lessor and the said Lessee do hereby agree with each other as follows, to-wit:

That for and in consideration of the royalties hereinafter reserved and the covenants and agreements hereinafter expressed, and by the said Lessee to be paid, kept, and performed, and in consideration of the sum of One Dollar to said Lessor in hand paid by said Lessee, the receipt of which is hereby acknowledged, and for other good and valuable consideration, the Lessor does hereby lease, demise, and let unto the Lessee all of its rights, title, and interest in and to the following described mining claims and property situated in Snake Creek Mining District, Wasatch County, State of Utah, namely:

The Northerly 400 feet (segregated) of the Tantamount Lode mining claim, Lot No. 3453, and

That part of the Vanderbilt Lode mining claim, Lot No. 3453, adjoining the north boundary of the Northerly 400 feet (segregated) of the Tantamount Lode, described as follows: Beginning at corner No. 1 of said Vanderbilt Lode mining claim, thence N. 87°3' E. 753.4 feet to corner No. 2 of said Northerly 400 feet (segregated) of the Tantamount Lode; thence N 3°20' W. 480 feet more or less to intersect the side line of the Wasatch Marble Quarry Lode mining claim, Lot No. 52; thence N. 47° W. 180 feet more or less to the north side line of said Vanderbilt Lode mining claim; thence S. 87°3' W. 625 feet more or less to corner No. 4 of said Vanderbilt Lode mining claim; thence S. 3°20' W. 600 feet to corner No. 1 of said Vanderbilt lode mining claim, the point of beginning;

Together with all lode veins and mineral rights or deposits therein with the dips, spurs, angles, and variations, and all rights of way, easements, and franchises appurtenant or incident thereto or belonging therewith.

To have and to hold unto said Lessee for a period of time beginning March 26, 1953 and ending Dec. 31, 1955, unless sooner forfeited or terminated through the violation of any covenant hereinafter against said Lessee reserved.

And in consideration of such demise and lease, said Lessee covenants and agrees with said Lessor as follows:

1. To enter upon said ground as soon as Lessor has completed an access road to and prepared a site for the portal of a tunnel, not later than 30 days from the date of this agreement, and to work the ground in the manner necessary to good and economical mining so as to take out the greatest amount of ore possible with due regard to the safety, development, and preservation of the ore deposits and the ground as a workable mine and to the specific covenants herein reserved.

2. To commence work upon the said premises as soon as road conditions and clearing of the tunnel site permit; and to prosecute the work with not less than two men for 24 days of 8 hours each per month, provided that in the event of stoppage on account of weather or other conditions beyond Lessee's control, the work requirement will not be invoked during enforced stoppage.

3. To timber well and sufficiently where proper in accordance with good mining practice.

4. To allow duly authorized agents of Lessor from time to time to enter into workings and upon all parts of said demised premises for the purpose of sampling and inspection.

5. To pay to Lessor as royalty a percentage of the net smelter returns on all ore sold as follows:

On ores assaying Ten Dollars ($10.00) or less per dry ton a royalty of ten per cent (10%) of the net smelter return, said royalty to be increased by one per cent (1%) for each One Dollar ($1.00) increase in net smelter value per ton.

Net smelter returns is hereby defined and shall for all purposes be construed as the amount remaining after deducting from the value per dry ton all smelter and mill treatment charges, sampling, assaying, and railroad and trucking charges.

6. To pay all net proceeds and occupation taxes levied by the State of Utah and general property taxes levied upon personal property belonging to Lessee.

7. To deliver to said Lessor said premises with the appurtenances in good order and condition upon the termination of this lease.

8. Upon violation of any covenant or covenants hereinbefore reserved, the term of this lease shall, at the option of the Lessor, expire and the same and said premises with the appurtenances shall be forfeited to said Lessor; and said Lessor or its agents may thereupon after demand for possession in writing duly served upon the Lessee, enter upon said premises and dispossess all persons occupying the same with or without force and with or without process of law; or at the option of said Lessor said Lessee and all persons found in occupation may be proceeded against as guilty of unlawful detainer.

9. The Lessee shall pay in full for all machinery foundations, pipe for compressed air, and mine rail and other materials before joining or affixing the same to said leased premises, and pay all labor in full for joining and affixing the same in developing said premises and in mining and treating, shipping, or removing ore therefrom, and shall not permit or suffer liens of any kind or nature to be filed against said premises for any work done or materials used thereon or in relation thereto at the instance or request of the Lessee, and the Lessee shall indemnify and hold harmless the Lessor from and against any and all claims and liens against said premises for labor and materials furnished to the Lessee; but in connection with the furnishing of materials, it is specifically agreed by the Lessor that Lessor will supply all needed timber and track ties, and in the event Lessee decides to construct a mine building and an ore bin, Lessor will furnish all materials required therefor.

10. Lessee shall post and keep posted upon said property during the term of this lease notices which under the laws of the State of Utah may be posted thereon for the protection thereof for the Lessor.

11. Lessee shall in the operation hereunder comply with all applicable Federal and State laws regarding Employers' Liability, Workmen's Compensation, and Workmen's Old Age and Unemployment Insurance, and shall hold harmless the Lessor from and against any and all damages, claims, costs and expenses arising from or growing out of any injuries to or the death of the employees of the Lessee or other persons whomsoever where such injury, death, or damage occurs by reason of or in connection with the possession, use, or operation in any manner of said demised premises.

12. And it is further agreed that the Lessee shall not have the right to assign this lease or to contract with others to work any mine or mines which now or hereafter may be discovered upon said lands, or to sub-contract or to sub-let the same at his option with the same rights and privileges as are herein granted to him, without the written consent of the Lessor.

13. It is further understood and agreed by the Lessor and the Lessee that

all permanent betterments and additions made for the improvement of the mine by said Lessee during the term hereof or for the convenience of said Lessee in mining and removing said ore shall be left by said Lessee upon the demised premises that the termination of this lease and shall become the property of the Lessor; provided, that the Lessee shall have the right and privilege to remove from the property within a period of thirty days after the termination of this lease all machinery, tools, and personal property on said premises belonging to Lessee.

14. And as further consideration for the foregoing demise and lease, the Lessee agrees to drive a tunnel to develop the demised premises and adjoining property belonging to Lessor. That he will make said tunnel six feet wide and 7½ (seven and one half) feet high, with a depression or ditch on the right side to carry water away from the track and out of the mine. That he will furnish all materials and labor required, except track ties and timber which will be supplied by Lessor, and that pipe for compressed air will not be less than 2" in diameter and rail for the track will not be less than 16 pound size. That upon completion of the tunnel, or termination of the contract, the provisions of the next preceding paragraph "13" shall apply to the tunnel project. That he will maintain the grade and course of the tunnel as directed by Lessor's engineer and will observe and perform the provisions of preceding paragraphs numbered 3 and 11 as they apply to the tunnel operation. That the driving of the tunnel will progress steadily from the time work begins as set forth in paragraph numbered 1, and will continue in a good and minerlike manner so as to complete the tunnel a distance of 1200 feet from the portal on or before Dec. 31, 1955.

Lessor agrees to pay Lessee for each 100 linear feet of tunnel $16.00 (Sixteen Dollars) per foot payable 75% at that time and 25% upon completion of the 1200 feet, payment to be made in shares of the capital stock of West Park Mining Company on a basis of 45c (forth-five cents) per share.

Lessee agrees that in the event he shall fail to complete the tunnel as set forth above, the Lessor may at its option terminate the foregoing Lease and agreement.

The provisions of this Agreement shall be binding upon the successors and assigns of the parties hereto and all of the rights hereunder shall pas to and be enjoyed by theri successors and assigns, who shall also be subject to the liabilities hereunder.

IN WITNESS WHEREOF, the Lessor and the Lessee have signed their names, the Lessor by its officers thereuto duly authorized, on this the 26th day of March, A. D., 1953, at Provo, Utah.

Attest:

(Signed) Leon Newren
Its Secretary

WEST PARK MINING COMPANY (Lessor)
By (signed) Joseph H. Peterson
Its President

Witness:
(signed) Dean T. Terry

(signed) D. D. LAMBERT (Lessee)

D.D.Lambert
110 S. 8 T., Provo, Utah

(COPY OF LETTER SUPPLEMENTING THE D. D. LAMBERT AGREEMENT)

Provo, Utah
March 30, 1953

Mr. D. D. Lambert
Provo, Utah

Dear Mr. Lambert:

In view of the fact that we agreed orally with you in our conversations to give you the "Green Monster" lease on a royalty basis of 10% on ores of a net smelter value less than $10.00 per dry ton with a ½% increase on each $1.00 of value in excess of $10.00 up to a maximum royalty of 30%; and since we find on referring to our purchase contract with the owners of the Green Monster that they have stipulated a royalty of 10% on ores of a net smelter value less than $10.00 per dry ton with a 1% increase on each $1.00 in value in excess of $10.00 without any mention of a maximum royalty; and because of these variations in royalty rates both you and the Company desire to effect some fair method of resolving the loss you would sustain under this higher royalty,

We hereby agree with you that if you enter into the agreement as now drawn on the higher royalty basis, we will credit your account with the difference between what you would have paid under the lower royalty rate that we discussed and the higher one of the agreement, and when the amount of $13,400.00 (at present the unpaid balance on our contract with the owners of the Green Monster), has been paid by our monthly installments and your royalties under the lease agreement, we will thereafter substitute the lower royalty rate for that set forth in the lease agreement and will forego royalty on shipments of ore under your lease until the amount that would have accrued under the lower rate is equal to the credit theretofore set up on your account, and that thereafter during the balance of the term of your lease the lower royalty rate will be deducted from your settlements.

Further, we agree that in the event the royalties and our contract payments made during the term of your said lease and contract, shall nto be sufficient to pay off the Lessor's (our) obligation to the owners of the Green Monster, then all royalties paid in excess of the lower royalty rate shall still be a credit to your account, and

All credit may be withdrawn in cash, or in stock of West Park Mining Company at 45c per share, provided, in the event cash is elected the Company (we) shall not be obligated to pay it at a rate in excess of $250.00 per month.

Yours very truly

WEST PARK MINING COMPANY

Joseph H. Petersen (signed)
President

Leon Newren (signed)
Secretary

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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-3116 (Copper)
Metal or Mineral
Date Received 7/10/53
Estimated Cost
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: D D Lambert
110 So 3rd E
Provo, Utah

(*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

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

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

(*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

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

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 we wish to explore .....

.....

(*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 ..... days and be completed within ..... 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?

☐ 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 June 24, 1953

D. D. Lambert
(Applicant)

By .....

.....

.....

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

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

D.D.Lambert
Application For Aid

1. Name of Applicant:

D. D. Lambert
110 S. Third W.
Provo, Utah

2. General:

Four copies of this application and accompanying papers are submitted herewith - my name and address on each sheet.

3. Applicant's property rights:

(a) Property to be explored is held under a lease and is discribed as follows:

Mining claims and property situated in Snake Creek Mining District, Wasatch County, State of Utah, namely,

The Northerly 400 feet (segregated) of the Tantamount Lode mining claim, Lot No. 3453, and

That part of the Vanderbilt Lode mining claim, Lot No. 3453, adjoining the north boundary of the Northerly 400 feet (segregated) of the Tantamount Lode, described as follows: Beginning at corner No. 1 of the said Vanderbilt Lode mining claim, thence N. 87°5' E. 753.4 feet to corner No. 2 of said Northerly 400 feet (segregated) of the Tantamount Lode; thence N. 3°20' W. 480 feet more or less to intersect the sideline of the Wasatch Marble Quarry Lode mining claim, Lot No. 52; thence N. 47° W. 180 feet more or less to the north sideline of said Vanderbilt Lode mining claim; thence S. 87°5' E. 625 feet more or less to corner No. 4 of said Vanderbilt Lode mining claim; thence S. 3° 20' W. 600 feet to corner No. 1 of said Vanderbilt lode mining claim, the point of beginning.

Together with all lode veins and mineral deposits therein with the dips, spurs, angles, and variations, and all rights of way, easements, and franchises appurtenant or incident thereto or belonging therewith.

(b) It is locally called the Green Monster mine.

(c) Applicant's interest is a sub-lease terminating Dec. 31, 1955, the lessor being West Park Mining Company of Provo, Utah, and the owners being H. Parry Glanfield and Cora M. Glanfield of Salt Lake City, Utah, Estelle Budlong of Santa Monica, California, and Vern W. Irvine and Arrilla Madge Irvine of Idaho Falls, Idaho.

(d) Four copies of the lease are attached hereto marked "3-d Agreement."

(e) Not applicable.

(f) Not applicable.

4. Physical description:

(a) Prior to applicant's operation of the property, the only exploration

Application for aid.
D. D. Lambert,
110 S. 3 W., Provo, Utah

4. Physical description (continued from page 1):

work seen consisted of (1) a short "L" shaped adit about 20' long high up in a cliff in which there is exposed a good grade of copper ore, picked samples running about 30%; and (2) a 75' adit about 250 feet lower in elevation that evidently was intented to prospect the showing in the cliff at that depth.

Applicant began work June 1, 1953 and has widened and lowered the grade of the 75' adit and is now engaged in extending it in a northerly direction to serve two purposes, (1) to prospect by crosscutting two mineralized zones on applicant's leasehold, and (2) to explore by crosscutting at the adit level the present ore deposit of the Lessor, West Park Mining Co.

There are no mine buildings nor ore bins, but applicant anticipates constructing them. Mine is equipped with a 365 c.f.m. Gardner-Denver Air Compressor, a one-drill Jumbo, a Drifter, steel, hose, Mucking Machine, two Ore Cars, and a Water Tank Car, which will be available for production purposes.

An access road to the portal of the tunnel permits travel by automobile and truck and ready accessibility for examination purposes.

(b) There has been no production. Present work is exploratory.

(c) The adit or tunnel is being driven in limestone, probably the Deseret, which covers the surface area. The property is traversed from south to north by a quartz-diorite dike which is intersected at about 300 feet from the portal by an east-west trending mineralized fissure, and at about 600 feet by a second one. This latter one carries into the cliff where the "L" shaped adit exposes the good copper ore (the green showing being the ~~2~~ "eye" of the Green Monster). At the base of the cliff there is a north-south trending fissure or shear zone that may well have a bearing on the Green Monster enrichment because of its intersection of the east-west mineralized zone.

If the extension of the tunnel now being driven discloses a well mineralized zone at 300 feet or thereabouts, applicant will drift east and west to the limits of the leasehold. Then at about 600 feet should the tunnel cross another mineralized zone (the probable extension of the east-west Green Monster fissure), applicant desires to prospect it to the limits of the leasehold, about 750 feet. (See map "5 - b")

(d) The railroad shipping point is a ramp on the Charleston switch of the D. & R. G. R. R. 11 miles distant from the mine. A hard surfaced road runs from the RR about 3 miles on through the town of Midway, and a gravelled road from there 5 miles to Heber Light & Power electric plant in Snake Creek Canyon, with a dirt road 3 miles from there to the mine.

On account of the short distance to town, the employees prefer to commute daily to and from work. For those who may prefer to stay, applicant proposes to build a bunkhouse with kitchen facilities. Supplies of lumber and timber are available at local sawmills at and near Heber City about 15 miles distant. Many other mining supplies are also available there. The numerous mining supply houses in Salt Lake City are about 50 miles distant on a good highway.

(e) Manpower is supplied from the local settlements of Midway, Charleston, and Heber City. There is no difficulty in securing both skilled and unskilled labor. As stated in (d) above, materials, supplies, and equipment are easily accessible. The mine is in one of the main watersheds of Utah and the tunnel will develop ample seepage water for mining purposes. Snake Creek, about 1000 feet distant, furnishes fine culinary water. Power will be supplied by diesel engines, although Utah Power & Light Co. power lines are available about 1½ miles distant.

5. The exploration project:

(a) It is proposed to explore for copper.

(b) The work will consist of three parts:

1st. The lease granted applicant contains as part of consideration a requirement that applicant extend the tunnel 1200 feet from the portal into West Park Mining Co. ground where it is expected to intercept the downward extension of that company's present orebody which is about 200 feet above and apparently going down.

2nd. To drift both easterly and westerly to the limits of the leased ground on fissure that is expected to be crosscut at about 300' from the portal of the tunnel. See "5-b Map."

3rd. To drift easterly and westerly to the limits of the leasehold on the Green Monster fissure that it is expected will be cut at about 600' from the portal. See "5-b Map."

(c) The work is now in progress in the tunnel and the tunnel will be completed before Dec. 31, 1953, and the drifting before Dec. 31, 1954.

(d) Applicant worked as a youth in the mines of the Park City area and has a general working knowledge of mining. By vocation, however, he is a building contractor. He will supervise the operations. He has experiences miners now running the tunnel work.

6. Estimate of costs:

(a) Independent contracts: None.

(b) Labor, supervision, consultants:

	Tunnel	Drifts
2 miners and 2 muckers @ $10 per ft. advance 1100 feet of tunnel, 1500' of drifts	$11,000.00	$15,000.00
1 supervisor (13 working months) @ $400	2,400.00	2,800.00
1 consultant	900.00	1,050.00
	14,300.00	18,850.00

(c) Operating materials and supplies:

5200' 16# mine rail @ $180 T	1,055.00	1,440.00
Fish plates, bolts, spikes	100.00	125.00
2600' 2" Black Pipe @ .5654	401.94	548.10
Diesel fuel, grease, oil, gasolene	1,500.00	2,000.00
Air and water hose and small tools	400.00	400.00
Drill steel and bits	1,100.00	1,500.00
Carbide	50.00	65.00
Assaying	50.00	100.00
	4,656.94	6,178.10

6. Estimate of costs (continued):

(d) Operating equipment:

	Tunnel	Drifts
Rent of 365 cfm air compressor, diesel motor	3,000.00	3,500.00
" " mucking machine	1,800.00	2,100.00
" " one-arm Jumbo	1,200.00	1,200.00
" " Drifter	600.00	700.00
Depreciation on pickup truck	180.00	210.00
" " 8 mine cars	36.00	42.00
" " water tank car	18.00	21.00
	6,834.00	7,973.00

Note: 75% of rent will apply on purchase price if applicant elects to buy

(e) Rehabilitation and repairs: None.

(f) New buildings, improvements, installations:

Compressor and machine shed: (12 x 20)	
Roofing paper, 3 rolls	$18.00
Sheet aluminum, 300 sq. ft.	42.00
1 window	15.00
1 door	20.00
Nails	4.00
Labor, carpenter & helper, 8 d.	256.00
	$355.00
Cabin: (12 x 20)	
Roofing paper, 3 rolls	18.00
Sheet aluminum 300s.f.	42.00
3 windows	45.00
1 door	15.00
Insulation	50.00
Sheet-rock board	40.00
Nails	6.00
Labor, carpenter & helper, 12 d.	384.00
	$600.00

(g) Miscellaneous:

Analytical work included in (c)	
Accounting service	$400.00
Workmen's compensation insurance	
Tunnel	577.54
Drifts	767.18
Buildings	27.58
Employers social security tax	
Tunnel	201.00
Drifts	267.00
Buildings	9.60
Unemployment compensation tax	
Tunnel	361.80
Drifts	480.60
Buidings	17.28
	$3109.58

6. Estimate of costs (continued):

(h) Contingencies:

Maintaining access road to mine, etc. $500.00

Recapitulation:

	Tunnel	Drifts
Labor, etc.	$14,300.00	$18,850.00
Operating Materials, etc.	4,656.94	6,178.10
Operating equipment	6,834.00	7,975.00
New buildings	955.00	
Miscellaneous (Accounting)	190.00	210.00
" Other for buildings	54.46	
" "	1,140.34	1,514.78
Contingencies	200.00	300.00
	$28,330.74	$35,025.88

total 63,356.62

7. Share of costs.

(a) (b) Applicant will supply his share of cost from private sources. He will personally supervise the project; but since he cannot give his full time to his regular contracting business and supervise this work, too, he must charge it with $400.00 per month for his time or hire someone to do it for him. He furnishes his own pickup truck, ore cars, and water tank car on which depreciation of $30.00 per month is shown above.

D.D.Lambert
110 S. 3 W., Provo, Utah

3 - d

agreement

This agreement made this 26th day of March, 1953, by and between WEST PARK MINING COMPANY, a Utah corporation of Provo, Utah, hereinafter designated the "Lessor", and D. D. LAMBERT of Provo, Utah, hereinafter designated the "Lessee" witnesseth:

That whereas the Lessor has possession of (1) the locally named "Green Monster" mine consisting of U. S. Survey Lot No. 3453, and (2) the Wasatch Marble Quarry Lode mining claim, Survey Lot No. 52, which Lessor has been exploring; and Lessor desires to further explore and develop said properties by means of a deep tunnel; and

Whereas Lessee represents that he is able and willing to undertake the driving of such a deep tunnel provided Lessor will grant him a lease on the said "Green Monster" mine;

Now, therefore, the said Lessor and the said Lessee do hereby agree with each other as follows, to-wit:

That for and in consideration of the royalties hereinafter reserved and the covenants and agreements hereinafter expressed, and by the said Lessee to be paid, kept, and performed, and in consideration of the sum of One Dollar to said Lessor in hand paid by said Lessee, the receipt of which is hereby acknowledged, and for other good and valuable consideration, the Lessor does hereby lease, demise, and let unto the Lessee all of its rights, title, and interest in and to the following described mining claims and property situated in Snake Creek Mining District, Wasatch County, State of Utah, namely:

The Northerly 400 feet (segregated) of the Tantamount Lode mining claim, Lot No. 3453, and

That part of the Vanderbilt Lode mining claim, Lot No. 3453, adjoining the north boundary of the Northerly 400 feet (segregated) of the Tantamount Lode, described as follows: Beginning at corner No. 1 of said Vanderbilt Lode mining claim, thence N. 87°3' E. 753.4 feet to corner No. 2 of said Northerly 400 feet (segregated) of the Tantamount Lode; thence N 3°20' W. 480 feet more or less to intersect the side line of the Wasatch Marble Quarry Lode mining claim, Lot No. 52; thence N. 47° W. 180 feet more or less to the north side line of said Vanderbilt Lode mining claim; thence S. 87°3' W. 625 feet more or less to corner No. 4 of said Vanderbilt Lode mining claim; thence S. 3°20' W. 600 feet to corner No. 1 of said Vanderbilt lode mining claim, the point of beginning;

Together with all lode veins and mineral rights or deposits therein with the dips, spurs, angles, and variations, and all rights of way, easements, and franchises appurtenant or incident thereto or belonging therewith.

To have and to hold unto said Lessee for a period of time beginning March 26, 1953 and ending Deb. 31, 1955, unless sooner forfeited or terminated through the violation of any covenant hereinafter against said Lessee reserved.

And in consideration of such demise and lease, said Lessee covenants and agrees with said Lessor as follows:

1. To enter upon said ground as soon as Lessor has completed an access road to and prepared a site for the portal of a tunnel, not later than 30 days from the date of this agreement, and to work the ground in the manner necessary to good and economical mining so as to take out the greatest amount of ore possible with due regard to the safety, development, and preservation of the ore deposits and the ground as a workable mine and to the specific covenants herein reserved.

2. To commence work upon the said premises as soon as road conditions and clearing of the tunnel site permit; and to prosecute the work with not less than two men for 24 days of 8 hours each per month, provided that in the event of stoppage on account of weather or other conditions beyond Lessee's control, the work requirement will not be invoked during enforced stoppage.

3. To timber well and sufficiently where proper in accordance with good mining practice.

4. To allow duly authorized agents of Lessor from time to time to enter into workings and upon all parts of said demised premises for the purpose of sampling and inspection.

5. To pay to Lessor as royalty a percentage of the net smelter returns on all ore sold as follows:

On ores assaying Ten Dollars ($10.00) or less per dry ton a royalty of ten per cent (10%) of the net smelter return, said royalty to be increased by one per cent (1%) for each One Dollar ($1.00) increase in net smelter value per ton.

Net smelter returns is hereby defined and shall for all purposes be construed as the amount remaining after deducting from the value per dry ton all smelter and mill treatment charges, sampling, assaying, and railroad and trucking charges.

6. To pay all net proceeds and occupation taxes levied by the State of Utah and general property taxes levied upon personal property belonging to Lessee.

7. To deliver to said Lessor said premises with the appurtenances in good order and condition upon the termination of this lease.

8. Upon violation of any covenant or covenants hereinbefore reserved, the term of this lease shall, at the option of the Lessor, expire and the same and said premises with the appurtenances shall be forfeited to said Lessor; and said Lessor or its agents may thereupon after demand for possession in writing duly served upon the Lessee, enter upon said premises and dispossess all persons occupying the same with or without force and with or without process of law; or at the option of said Lessor said Lessee and all persons found in occupation may be proceeded against as guilty of unlawful detainer.

9. The Lessee shall pay in full for all machinery foundations, pipe for compressed air, and mine rail and other materials before joining or affixing the same to said leased premises, and pay all labor in full for joining and affixing the same in developing said premises and in mining and treating, shipping, or removing ore therefrom, and shall not permit or suffer liens of any kind or nature to be filed against said premises for any work done or materials used thereon or in relation thereto at the instance or request of the Lessee, and the Lessee shall indemnify and hold harmless the Lessor from and against any and all claims and liens against said premises for labor and materials furnished to the Lessee; but in connection with the furnishing of materials, it is specifically agreed by the Lessor that Lessor will supply all needed timber and track ties, and in the event Lessee decides to construct a mine building and an ore bin, Lessor will furnish all materials required therefor.

10. Lessee shall post and keep posted upon said property during the term of this lease notices which under the laws of the State of Utah may be posted thereon for the protection thereof for the Lessor.

11. Lessee shall in the operation hereunder comply with all applicable Federal and State laws regarding Employers' Liability, Workmen's Compensation, and Workmen's Old Age and Unemployment Insurance, and shall hold harmless the Lessor from and against any and all damages, claims, costs and expenses arising from or growing out of any injuries to or the death of the employees of the Lessee or other persons whomsoever where such injury, death, or damage occurs by reason of or in connection with the possession, use, or operation in any manner of said demised premises.

12. And it is further agreed that the Lessee shall not have the right to assign this lease or to contract with others to work any mine or mines which now or hereafter may be discovered upon said lands, or to sub-contract or to sub-let the same at his option with the same rights and privileges as are herein granted to him, without the written consent of the Lessor.

13. It is further understood and agreed by the Lessor and the Lessee that

all permanent betterments and additions made for the improvement of the mine by said Lessee during the term hereof or for the convenience of said Lessee in mining and removing said ore shall be left by said Lessee upon the demised premises at the termination of this lease and shall become the property of the Lessor; provided, that the Lessee shall have the right and privilege to remove from the property within a period of thirty days after the termination of this lease all machinery, tools, and personal property on said premises belonging to Lessee.

14. And as further consideration for the foregoing demise and lease, the Lessee agrees to drive a tunnel to develop the demised premises and adjoining property belonging to Lessor. That he will make said tunnel six feet wide and 7½ (seven and one half) feet high, with a depression or ditch on the right side to cary water away from the track and out of the mine. That he will furnish all materials and labor required, except track ties and timber which will be supplied by Lessor, and that pipe for compressed air will not be less than 2" in diameter and rail for the track will not be less than 16 pound size. That upon completion of the tunnel, or termination of the contract, the provisions of the next preceding paragraph "13" shall apply to the tunnel project. That he will maintain the grade and course of the tunnel as directed by Lessor's engineer and will observe and perform the provisions of preceding paragraphs numbered 3 and 11 as they apply to the tunnel operation. That the driving of the tunnel will progress steadily from the time work begins as set forth in paragraph numbered 1, and will continue in a good and minerlike manner so as to complete the tunnel a distance of 1200 feet from the portal on or before Dec. 31, 1953.

Lessor agrees to pay Lessee for each 100 linear feet of tunnel $16.00 (Sixteen Dollars) per foot payable 75% at that time and 25% upon completion of the 1200 feet, payment to be made in shares of the capital stock of West Park Mining Company on a basis of 45c (forth-five cents) per share.

Lessee agrees that in the event he shall fail to complete the tunnel as set forth above, the Lessor may at its option terminate the foregoing Lease and agreement.

The provisions of this Agreement shall be binding upon the successors and assigns of the parties hereto and all of the rights hereunder shall pas to and be enjoyed by theri successors and assigns, who shall also be subject to the liabilities hereunder.

IN WITNESS WHEREOF, the Lessor and the Lessee have signed their names, the Lessor by its officers thereuto duly authorized, on this the 26th day of March, A. D., 1953, at Provo, Utah.

Attest:

(Signed) Leon Newren
Its Secretary

WEST PARK MINING COMPANY (Lessor)
By (signed) Joseph H. Peterson
Its President

Witness:
(signed) Dean W. Terry

(signed) D. D. LAMBERT (Lessee)

D.D.Lambert
110 S. 3 W., Provo, U

(COPY OF LETTER SUPPLEMENTING THE D. D. LAMBERT AGREEMENT)

Provo, Utah
March 30, 1953

Mr. D. D. Lambert
Provo, Utah

Dear Mr. Lambert:

In view of the fact that we agreed orally with you in our conversations to give you the "Green Monster" lease on a royalty basis of 10% on ores of a net smelter value less than $10.00 per dry ton with a ½% increase on each $1.00 of value in excess of $10.00 up to a maximum royalty of 30%; and since we find on referring to our purchase contract with the owners of the Green Monster that they have stipulated a royalty of 10% on ores of a net smelter value less than $10.00 per dry ton with a 1% increase on each $1.00 in value in excess of $10.00 without any mention of a maximum royalty; and because of these variations in royalty rates both you and the Company desire to effect some fair method of resolving the loss you would sustain under this higher royalty,

We hereby agree with you that if you enter into the agreement as now drawn on the higher royalty basis, we will credit your account with the difference between what you would have paid under the lower royalty rate that we discussed and the higher one of the agreement, and when the amount of $13,400.00 (at present the unpaid balance on our contract with the owners of the Green Monster), has been paid by our monthly installments and your royalties under the lease agreement, we will thereafter substitute the lower royalty rate for that set forth in the lease agreement and will forego royalty on shipments of ore under your lease until the amount that would have accrued under the lower rate is equal to the credit theretofore set up on your account, and that thereafter during the balance of the term of your lease the lower royalty rate will be deducted from your settlements.

Further, we agree that in the event the royalties and our contract payments made during the term of your said lease and contract, shall nto be sufficient to pay off the Lessor's (our) obligation to the owners of the Green Monster, then all royalties paid in excess of the lower royalty rate shall still be a credit to your account, and

All credit may be withdrawn in cash, or in stock of West Park Mining Company at 45c per share, provided, in the event cash is elected the Company (we) shall not be obligated to pay it at a rate in excess of $250.00 per month.

Yours very truly

WEST PARK MINING COMPANY

Joseph H. Petersen (signed)
President

Leon Newren (signed)
Secretary

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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-3116
Metal or Mineral
Date Received 7/10/53
Estimated Cost
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: [illegible]
130 So. 3rd E.
Provo, Utah

(*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

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

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

(*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

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

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 proje*[illegible]—(*a*) State the mineral or minerals for which you wish to explore .....

.....

(*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 ..... days and be completed within ..... 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?

☐ 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 June 24, 1953

D. D. Lambert
(Applicant)

By .....

.....

.....

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

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

D.D.Lambert
Application For Aid

1. Name of Applicant:

D. D. Lambert
110 S. Third E.
Provo, Utah

2. General:

Four copies of this application and accompanying papers are submitted herewith - my name and address on each sheet.

3. Applicant's property rights:

(a) Property to be explored is held under a lease and is discribed as follows:

Mining claims and property situated in Snake Creek Mining District, Wasatch County, State of Utah, namely,

The Northerly 400 feet (segregated) of the Tantamount Lode mining claim, Lot No. 3453, and

That part of the Vanderbilt Lode mining claim, Lot No. 3453, adjoining the north boundary of the Northerly 400 feet (segregated) of the Tantamount Lode, described as follows: Beginning at corner No. 1 of the said Vanderbilt Lode mining claim, thence N. 87°3' E. 753.4 feet to corner No. 2 of said Northerly 400 feet (segregated) of the Tantamount Lode; thence N. 3°20' W. 480 feet more or less to intersect the sideline of the Wasatch Marble Quarry Lode mining claim, Lot No. 52; thence N. 47° W. 180 feet more or less to the north sideline of said Vanderbilt Lode mining claim; thence S. 87°3' E. 625 feet more or less to corner No. 4 of said Vanderbilt Lode mining claim; thence S. 3° 20' W. 600 feet to corner No. 1 of said Vanderbilt lode mining claim, the point of beginning.

Together with all lode veins and mineral deposits therein with the dips, spurs, angles, and variations, and all rights of way, easements, and franchises appurtenant or incident thereto or belonging therewith.

(b) It is locally called the Green Monster mine.

(c) Applicant's interest is a sub-lease terminating Dec. 31, 1955, the lessor being West Park Mining Company of Provo, Utah, and the owners being H. Parry Glanfield and Cora M. Glanfield of Salt Lake City, Utah, Estelle Budlong of Santa Monica, California, and Vern W. Irvine and Arrilla Madge Irvine of Idaho Falls, Idaho.

(d) Four copies of the lease are attached hereto marked "3-d Agreement."

(e) Not applicable.

(f) Not applicable.

4. Physical description:

(a) Prior to applicant's operation of the property, the only exploration

Application for aid.
D. D. Lambert,
110 S. 3 W., Provo, Utah

4. Physical description (continued from page 1):

work seen consisted of (1) a short "L" shaped adit about 20' long high up in a cliff in which there is exposed a good grade of copper ore, picked samples running about 30%; and (2) a 75' adit about 250 feet lower in elevation that evidently was intented to prospect the showing in the cliff at that depth.

Applicant began work June 1, 1953 and has widened and lowered the grade of the 75' adit and is now engaged in extending it in a northerly direction to serve two purposes, (1) to prospect by crosscutting two mineralized zones on applicant's leasehold, and (2) to explore by crosscutting at the adit leval the present ore deposit of the Lessor, West Park Mining Co.

There are no mine buildings nor ore bins, but applicant anticipates constructing them. Mine is equipped with a 365 c.f.m. Gardner-Denver Air Compressor, a one-drill Jumbo, a Drifter, steel, hose, Mucking Machine, two Ore Cars, and a Water Tank Car, which will be available for production purposes.

An access road to the portal of the tunnel permits travel by automobile and truck and ready accessibility for examination purposes.

(b) There has been no production. Present work is exploratory.

(c) The adit or tunnel is being driven in limestone, probably the Deseret, which covers the surface area. The property is traversed from south to north by a quartz-diorite dike which is intersected at about 300 feet from the portal by an east-west trending mineralized fissure, and at about 600 feet by a second one. This latter one carries into the cliff where the "L" shaped adit exposes the good copper ore (the green showing being the "eye" of the Green Monster). At the base of the cliff there is a north-south trending fissure or shear zone that may well have a bearing on the Green Monster enrichment because of its intersection of the east-west mineralized zone.

If the extension of the tunnel now being driven discloses a well mineralized zone at 300 feet or thereabouts, applicant will drift east and west to the limits of the leasehold. Then at about 600 feet should the tunnel cross another mineralized zone (the probable extension of the east-west Green Monster fissure), applicant desires to prospect it to the limits of the leasehold, about 750 feet. (See map "5 - b")

(d) The railroad shipping point is a ramp on the Charleston switch of the D. & R. G. R. R. 11 miles distant from the mine. A hard surfaced road runs from the RR about 3 miles on through the town of Midway, and a gravelled road from there 5 miles to Heber Light & Power electric plant in Snake Creek Canyon, with a dirt road 3 miles from there to the mine.

On account of the short distance to town, the employees prefer to commute daily to and from work. For those who may prefer to stay, applicant proposes to build a bunkhouse with kitchen facilities. Supplies of lumber and timber are available at local sawmills at and near Heber City about 15 miles distant. Many other mining supplies are also available there. The numerous mining supply houses in Salt Lake City are about 50 miles distant on a good highway.

(e) Manpower is supplied from the local settlements of Midway, Charleston, and Heber City. There is no difficulty in securing both skilled and unskilled labor. As stated in (d) above, materials, supplies, and equipment are easily accessible. The mine is in one of the main watersheds of Utah and the tunnel will develop ample seepage water for mining purposes. Snake Creek, about 1000 feet distant, furnishes fine culinary water. Power will be supplied by diesel engines, although Utah Power & Light Co. power lines are available about 1¼ miles distant.

5. The exploration project:

(a) It is proposed to explore for copper.

(b) The work will consist of three parts:

1st. The lease granted applicant contains as part of consideration a requirement that applicant extend the tunnel 1200 feet from the portal into West Park Mining Co. ground where it is expected to intercept the downward extension of that company's present orebody which is about 200 feet above and apparently going down.

2nd. To drift both easterly and westerly to the limits of the leased ground on fissure that is expected to be crosscut at about 300' from the portal of the tunnel. See "5-b Map."

3rd. To drift easterly and westerly to the limits of the leasehold on the Green Monster fissure that it is expected will be cut at about 600' from the portal. See "5-b Map."

(c) The work is now in progress in the tunnel and the tunnel will be completed before Dec. 31, 1953, and the drifting before Dec. 31, 1954.

(d) Applicant worked as a youth in the mines of the Park City area and has a general working knowledge of mining. By vocation, however, he is a building contractor. He will supervise the operations. He has experiences miners now running the tunnel work.

6. Estimate of costs:

(a) Independent contracts: None.

(b) Labor, supervision, consultants:

	Tunnel	Drifts
2 miners and 2 muckers @ $10 per ft. advance 1100 feet of tunnel, 1500' of drifts	$11,000.00	$15,000.00
1 supervisor (13 working months) @ $400	2,400.00	2,800.00
1 consultant	900.00	1,050.00
	14,300.00	18,850.00

(c) Operating materials and supplies:

5200' 16# mine rail @ $180 T	1,055.00	1,440.00
Fish plates, bolts, spikes	100.00	125.00
2600' 2" Black Pipe @ .3654	401.94	548.10
Diesel fuel, grease, oil, gasolene	1,500.00	2,000.00
Air and water hose and small tools	400.00	400.00
Drill steel and bits	1,100.00	1,500.00
Carbide	50.00	65.00
Assaying	50.00	100.00
	4,656.94	6,178.10

6. Estimate of costs (continued):

(d) Operating equipment:

	Tunnel	Drifts
Rent of 365 cfm air compressor, diesel motor	3,000.00	3,500.00
" " mucking machine	1,800.00	2,100.00
" " one-arm Jumbo	1,200.00	1,400.00
" " Drifter	600.00	700.00
Depreciation on pickup truck	180.00	210.00
" " 2 mine cars	36.00	42.00
" " water tank car	18.00	21.00
	6,834.00	7,973.00

Note: 75% of rent will apply on purchase price if applicant elects to buy (see DME Circular 21 - Supplement 1. Jan 28/53

(e) Rehabilitation and repairs: None.

(f) New buildings, improvements, installations:

Compressor and machine shed: (12 x 20)	
Roofing paper, 5 rolls	$18.00
Sheet aluminum, 300 sq. ft.	42.00
1 window	15.00
1 door	20.00
Nails	4.00
Labor, carpenter & helper, 8 d.	256.00
	$355.00
Cabin: (12 x 20)	
Roofing paper, 3 rolls	18.00
Sheet aluminum 300s.f.	42.00
3 windows	45.00
1 door	15.00
Insulation	50.00
Sheet-rock board	40.00
Nails	8.00
Labor, carpenter & helper, 12 d.	384.00
	$600.00

(g) Miscellaneous:

Analytical work included in (e)	
Accounting service	$400.00
Workman's compensation insurance	
Tunnel	577.54
Drifts	767.18
Buildings	27.58
Employers social security tax	
Tunnel	201.00
Drifts	267.00
Buildings	9.60
Unemployment compensation tax	
Tunnel	361.80
Drifts	480.60
Buidings	17.28
	$3109.58

6. Estimate of costs (continued):

(h) Contingencies:

Maintaining access road to mine, etc. $500.00

Recapitulation:

	Tunnel	Drifts
Labor, etc.	$14,300.00	$18,850.00
Operating Materials, etc.	4,656.94	6,178.10
Operating equipment	6,834.00	7,973.00
New buildings	955.00	
Miscellaneous (Accounting)	190.00	210.00
" Other for buildings	54.46	
" "	1,140.34	1,514.78
Contingencies	200.00	300.00
	$28,330.74	$35,025.88

total

7. Share of costs.

(a) (b) Applicant will supply his share of cost from private sources. He will personally supervise the project; but since he cannot give his full time to his regular contracting business and supervise this work, too, he must charge it with $400.00 per month for his time or hire someone to do it for him. He furnishes his own pickup truck, ore cars, and water tank car on which depreciation of $30.00 per month is shown above.

D.D.Lambert
110 S. 3 E., Provo, Utah

agreement

This agreement made this 26th day of March, 1953, by and between WEST PARK MINING COMPANY, a Utah corporation of Provo, Utah, hereinafter designated the "Lessor", and D. D. LAMBERT of Provo, Utah, hereinafter designated the "Lessee" witnesseth:

That whereas the Lessor has possession of (1) the locally named "Green Monster" mine consisting of U. S. Survey Lot No. 3453, and (2) the Wasatch Marble Quarry Lode mining claim, Survey Lot No. 52, which Lessor has been exploring; and Lessor desires to further explore and develop said properties by means of a deep tunnel; and

Whereas Lessee represents that he is able and willing to undertake the driving of such a deep tunnel provided Lessor will grant him a lease on the said "Green Monster" mine;

Now, therefore, the said Lessor and the said Lessee do hereby agree with each other as follows, to-wit:

That for and in consideration of the royalties hereinafter reserved and the covenants and agreements hereinafter expressed, and by the said Lessee to be paid, kept, and performed, and in consideration of the sum of One Dollar to said Lessor in hand paid by said Lessee, the receipt of which is hereby acknowledged, and for other good and valuable consideration, the Lessor does hereby lease, demise, and let unto the Lessee all of its rights, title, and interest in and to the following described mining claims and property situated in Snake Creek Mining District, Wasatch County, State of Utah, namely:

The Northerly 400 feet (segregated) of the Tantamount Lode mining claim, Lot No. 3453, and

That part of the Vanderbilt Lode mining claim, Lot No. 3453, adjoining the north boundary of the Northerly 400 feet (segregated) of the Tantamount Lode, described as follows: Beginning at corner No. 1 of said Vanderbilt Lode mining claim, thence N. 87°3' E. 753.4 feet to corner No. 2 of said Northerly 400 feet (segregated) of the Tantamount Lode; thence N 3°20' W. 480 feet more or less to intersect the side line of the Wasatch Marble Quarry Lode mining claim, Lot No. 52; thence N. 47° W. 180 feet more or less to the north side line of said Vanderbilt Lode mining claim; thence S. 87°3' E. 625 feet more or less to corner No. 4 of said Vanderbilt Lode mining claim; thence S. 3°20' W. 600 feet to corner No. 1 of said Vanderbilt lode mining claim, the point of beginning;

Together with all lode veins and mineral rights or deposits therein with the dips, spurs, angles, and variations, and all rights of way, easements, and franchises appurtenant or incident thereto or belonging therewith.

To have and to hold unto said Lessee for a period of time beginning March 26, 1953 and ending Dec. 31, 1955, unless sooner forfeited or terminated through the violation of any covenant hereinafter against said Lessee reserved.

And in consideration of such demise and lease, said Lessee covenants and agrees with said Lessor as follows:

1. To enter upon said ground as soon as Lessor has completed an access road to and prepared a site for the portal of a tunnel, not later than 30 days from the date of this agreement, and to work the ground in the manner necessary to good and economical mining so as to take out the greatest amount of ore possible with due regard to the safety, development, and preservation of the ore deposits and the ground as a workable mine and to the specific covenants herein reserved.

2. To commence work upon the said premises as soon as road conditions and clearing of the tunnel site permit; and to prosecute the work with not less than two men for 24 days of 8 hours each per month, provided that in the event of stoppage on account of weather or other conditions beyond Lessee's control, the work requirement will not be invoked during enforced stoppage.

3. To timber well and sufficiently where proper in accordance with good mining practice.

4. To allow duly authorized agents of Lessor from time to time to enter into workings and upon all parts of said demised premises for the purpose of sampling and inspection.

5. To pay to Lessor as royalty a percentage of the net smelter returns on all ore sold as follows:

On ores assaying Ten Dollars ($10.00) or less per dry ton a royalty of ten per cent (10%) of the net smelter return, said royalty to be increased by one per cent (1%) for each One Dollar ($1.00) increase in net smelter value per ton.

Net smelter returns is hereby defined and shall for all purposes be construed as the amount remaining after deducting from the value per dry ton all smelter and mill treatment charges, sampling, assaying, and railroad and trucking charges.

6. To pay all net proceeds and occupation taxes levied by the State of Utah and general property taxes levied upon personal property belonging to Lessee.

7. To deliver to said Lessor said premises with the appurtenances in good order and condition upon the termination of this lease.

8. Upon violation of any covenant or covenants hereinbefore reserved, the term of this lease shall, at the option of the Lessor, expire and the same and said premises with the appurtenances shall be forfeited to said Lessor; and said Lessor or its agents may thereupon after demand for possession in writing duly served upon the Lessee, enter upon said premises and dispossess all persons occupying the same with or without force and with or without process of law; or at the option of said Lessor said Lessee and all persons found in occupation may be proceeded against as guilty of unlawful detainer.

9. The Lessee shall pay in full for all machinery foundations, pipe for compressed air, and mine rail and other materials before joining or affixing the same to said leased premises, and pay all labor in full for joining and affixing the same in developing said premises and in mining and treating, shipping, or removing ore therefrom, and shall not permit or suffer liens of any kind or nature to be filed against said premises for any work done or materials used thereon or in relation thereto at the instance or request of the Lessee, and the Lessee shall indemnify and hold harmless the Lessor from and against any and all claims and liens against said premises for labor and materials furnished to the Lessee; but in connection with the furnishing of materials, it is specifically agreed by the Lessor that Lessor will supply all needed timber and track ties, and in the event Lessee decides to construct a mine building and an ore bin, Lessor will furnish all materials required therefor.

10. Lessee shall post and keep posted upon said property during the term of this lease notices which under the laws of the State of Utah may be posted thereon for the protection thereof for the Lessor.

11. Lessee shall in the operation hereunder comply with all applicable Federal and State laws regarding Employers' Liability, Workmen's Compensation, and Workmen's Old Age and Unemployment Insurance, and shall hold harmless the Lessor from and against any and all damages, claims, costs and expenses arising from or growing out of any injuries to or the death of the employees of the Lessee or other persons whomsoever where such injury, death, or damage occurs by reason of or in connection with the possession, use, or operation in any manner of said demised premises.

12. And it is further agreed that the Lessee shall not have the right to assign this lease or to contract with others to work any mine or mines which now or hereafter may be discovered upon said lands, or to sub-contract or to sub-let the same at his option with the same rights and privileges as are herein granted to him, without the written consent of the Lessor.

13. It is further understood and agreed by the Lessor and the Lessee that

all permanent betterments and additions made for the improvement of the mine by said Lessee during the term hereof or for the convenience of said Lessee in mining and removing said ore shall be left by said Lessee upon the demised premises that the termination of this lease and shall become the property of the Lessor; provided, that the Lessee shall have the right and privilege to remove from the property within a period of thirty days after the termination of this lease all machinery, tools, and personal property on said premises belonging to Lessee.

14. And as further consideration for the foregoing demise and lease, the Lessee agrees to drive a tunnel to develop the demised premises and adjoining property belonging to Lessor. That he will make said tunnel six feet wide and 7½ (seven and one half) feet high, with a depression or ditch on the right side to cary water away from the track and out of the mine. That he will furnish all materials and labor required, except track ties and timber which will be supplied by Lessor, and that pipe for compressed air will not be less than 2" in diameter and rail for the track will not be less than 16 pound size. That upon completion of the tunnel, or termination of the contract, the provisions of the next preceding paragraph "13" shall apply to the tunnel project. That he will maintain the grade and course of the tunnel as directed by Lessor's engineer and will observe and perform the provisions of preceding paragraphs numbered 3 and 11 as they apply to the tunnel operation. That the driving of the tunnel will progress steadily from the time work begins as set forth in paragraph numbered 1, and will continue in a good and minerlike manner so as to complete the tunnel a distance of 1200 feet from the portal on or before Dec. 31, 1953.

Lessor agrees to pay Lessee for each 100 linear feet of tunnel $16.00 (Sixteen Dollars) per foot payable 75% at that time and 25% upon completion of the 1200 feet, payment to be made in shares of the capital stock of West Park Mining Company on a basis of 45c (forth-five cents) per share.

Lessee agrees that in the event he shall fail to complete the tunnel as set forth above, the Lessor may at its option terminate the foregoing Lease and agreement.

The provisions of this Agreement shall be binding upon the successors and assigns of the parties hereto and all of the rights hereunder shall pas to and be enjoyed by theri successors and assigns, who shall also be subject to the liabilities hereunder.

IN WITNESS WHEREOF, the Lessor and the Lessee have signed their names, the Lessor by its officers thereuto duly authorized, on this the 26th day of March, A. D., 1953, at Provo, Utah.

Attest:

(Signed) Leon Newren
Its Secretary

WEST PARK MINING COMPANY (Lessor)
By (signed) Joseph H. Peterson
Its President

Witness:
(signed) Dean W. Terry

(signed) D. D. LAMBERT (Lessee)

D.D.Lambert
110 S. 3 E., Provo, Utah

(COPY OF LETTER SUPPLEMENTING THE D. D. LAMBERT AGREEMENT)

Provo, Utah
March 30, 1953

Mr. D. D. Lambert
Provo, Utah

Dear Mr. Lambert:

In view of the fact that we agreed orally with you in our conversations to give you the "Green Monster" lease on a royalty basis of 10% on ores of a net smelter value less than $10.00 per dry ton with a 1% increase on each $1.00 of value in excess of $10.00 up to a maximum royalty of 30%; and since we find on referring to our purchase contract with the owners of the Green Monster that they have stipulated a royalty of 10% on ores of a net smelter value less than $10.00 per dry ton with a 1% increase on each $1.00 in value in excess of $10.00 without any mention of a maximum royalty; and because of these variations in royalty rates both you and the Company desire to effect some fair method of resolving the loss you would sustain under this higher royalty,

We hereby agree with you that if you enter into the agreement as now drawn on the higher royalty basis, we will credit your account with the difference between what you would have paid under the lower royalty rate that we discussed and the higher oen of the agreement, and when the amount of $13,400.00 (at present the unpaid balance on our contract with the owners of the Green Monster), has been paid by our monthly installments and your royalties under the lease agreement, we will thereafter substitute the lower royalty rate for that set forth in the lease agreement and will forego royalty on shipments of ore under your lease until the amount that would have accrued under the lower rate is equal to the credit theretofore set up on your account, and that thereafter during the balance of the term of your lease the lower royalty rate will be deducted from your settlements.

Further, we agree that in the event the royalties and our contract payments made during the term of your said lease and contract, shall nto be sufficient to pay off the Lessor's (our) obligation to the owners of the Green Monster, then all royalties paid in excess of the lower royalty rate shall still be a credit to your account, and

All credit may be withdrawn in cash, or in stock of West Park Mining Company at 45c per share, provided, in the event cash is elected the Company (we) shall not be obligated to pay it at a rate in excess of $250.00 per month.

Yours very truly

WEST PARK MINING COMPANY

Joseph H. Petersen (signed)
President

Leon Newren (signed)
Secretary

GREEN MONSTER MINE
D. D. LAMBERT, LESSEE
WASATCH COUNTY, UTAH
DMEA-3116
Copper

Engineering Report

By W. E. Young
Mining engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE

_____
(date)

GREEN MONSTER MINE
D. D. LAMBERT, LESSEE
WASATCH COUNTY, UTAH

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Location and physical features	3
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ILLUSTRATIONS

Fig. 1 Location map, Green Monster mine, Wasatch County, Utah
Fig. 2 Topographic and geologic plan map
Fig. 3 Section through Green Monster deposit

INTRODUCTION

The Green Monster mine was examined on September 3, 1953, by a geologist of the Geological Survey and an engineer of the Bureau of Mines. The examination was made at the request of the Regional Field Team to appraise the property for a Government assistance loan.

The mine is located at the head of Snake Creek Canyon in Wasatch County, Utah, midway between the old mining camps of Park City and Alta (fig. 1).

The property adjoining on the northeast, the West Park mine, has been developed over the period of the last five years, and at present is producing copper ores. The West Park Mining Co. has a DMEA loan for exploratory assistance. A map of the West Park mine, prepared by the Bureau of Mines, has been extended to include the area of the Green Monster property (fig. 2).

The project proposed by the applicant consists of drifting and crosscutting. The work as outlined has two objectives, namely, the intersection of the West Park ore shoot at depth and intersection of a projection of the Green Monster mineralized outcrop at depth. The applicant at present has driven 450 feet of adit at an elevation to intersect the Green Monster outcrop 540 feet below the surface (Tunnel No. 3, fig. 2). Exploration of the West Park property by the applicant is not permissible and is the responsibility of the West Park Mining Co., now operating under a DMEA exploratory project.

Exploration of a projection of the Green Monster outcrop at this depth is considered too much of a risk, thus an alternate proposal is made by the examiners.

LOCATION AND PHYSICAL FEATURES

The Green Monster property lies at the head of Snake Creek Canyon in unsurveyed T. 3 S., R. 3 E., S.L.B. & M. The area is reached via Midway, Utah, over a dirt road with steep grades. A new, 3-mile stretch of dugway road is being constructed by the applicant in conjunction with the West Park Mining Co. and Wasatch County Road Commission. This road eliminates most of the steeper grades and provides side-hill construction for easy snow removal over critical distances. It is believed that after completion of this new road, the properties in the area will be able to operate during winter months.

Heber City, approximately 16 miles from the Green Monster property, is the nearest shipping point.

HISTORY AND PRODUCTION

The area was prospected in the early days, and a small tonnage of copper and lead-silver ores was shipped from the Green Monster. There is no record of this production, but it is known to have been small because of the difficult access to the area. The neighboring West Park Mining Co. has shipped 542 tons of ore since 1946, with an average net value of approximately $13.50 a ton. The applicant

bulldozed a road to the outcrop of mineralization on the Green Monster and has made two 60-ton shipments. The two lots averaged 3.0 percent copper, 0.75 ounce silver, and 0.035 ounce gold per ton.

OWNERSHIP AND EXTENT

The property, held under sublease by the applicant, consists of two patented claims, the Tantamount (northerly 400 feet, Segregated), Survey 3453, and the westerly two-thirds of the Vanderbilt claim, Survey 3453 (fig. 2). The property is owned by H. Parry Glanfield and Cora M. Glanfield of Salt Lake City, Utah; Estelle Budlong of Santa Monica, California; and Vern W. Irvine and Arrilla Madge Irvine of Idaho Falls, Idaho. The West Park Mining Co. holds a lease on the property. A sublease has been granted to D. D. Lambert, the applicant.

DESCRIPTION OF THE DEPOSITS

The rocks of the area are Mississippian limestones that have been intruded by irregular dioritic masses and dikes which appear to be related to the main intrusive, the Clayton Peak stock. Intense metamorphism has resulted in leached and marbleized limestone near the contacts. The limestone beds have a regional strike of north-south and dip gently to the east about 15°. Generally, the deposits have the appearances of contact replacements in the limestones. However, some fissuring is discernible and limestone replacement

by chalcopyrite, magnetite, and some bornite has taken place along fissures some distance from the intrusive masses.

The Green Monster outcrop has the appearance of a circular pipe partially replacing the limestone. A 60-foot crosscut has intersected the pipe at shallow depth, and the central core has been mined. A porphyry dike, striking approximately N. 25° E., cuts through the mine area. Mineralization occurs on both sides of the dike. A sample cut on the north side of the dike assayed 7.85 percent copper, .005 ounce gold, and 0.9 ounce silver per ton.

ORE RESERVES

Developed ore reserves on the property are negligible. A few shipments of ore may be expected from above the 60-foot crosscut by careful, selective mining. Insufficient work has been done at any place on the property to measure any reserves.

PRESENT STATUS

The Green Monster outcrop is intersected at shallow depth by a 25-foot crosscut. Good copper mineralization has been exposed by this work. Another 60-foot adit intersects the pipe at an additional 60-foot-lower elevation. Weaker mineralization was encountered at this elevation. Two shipments have been made. Considerable unreplaced limestone must be sorted from the broken muck to permit an acceptable grade of ore.

PROJECT PROPOSALS

The applicant proposes to drive 1,100 feet of adit and 1,500 feet of additional crosscuts and drifts. This work was planned to develop the Green Monster and West Park ore bodies jointly. The adit was started at an elevation 540 feet below the outcrop of the Green Monster. Four hundred fifty feet of adit has been driven. Exploration of the West Park property by a DMEA loan to the applicant is not permissible, inasmuch as the West Park Mining Co. controls the property and is presently operating under docket No. DMEA 171X. Projection of the Green Monster mineralization to this depth is considered too risky, thus an alternate proposal is suggested. It is proposed that the Green Monster ore body be explored by driving a 200-foot adit at an altitude of 9,120 feet (fig. 3). This adit will cut the projection of mineralization approximately 110 feet below the point intersected by the 60-foot adit. An additional 200 feet of drifts, crosscuts and/or raises is also proposed for further exploration of the expected mineralization. A total of 400 feet of work is proposed.

EQUIPMENT ON THE PROPERTY

The equipment listed below is presently on the property and available for use:

1 365-cfm. Gardner-Denver compressor
1 D-73 drifter
1 one-machine jumbo
2 mine cars
1 Jeep
1 mucking machine.

ESTIMATE OF COSTS

The following costs are estimated for the alternate exploratory program:

Labor and Supervision

		Per month	
3 miners at $14 per day— $1,050.00 $42 x 25 days			
1 supervisor, 1/4 month - 125.00 at $500 per month			
Bookkeeping, $50 per month	50.00	$1,225.00	
Payroll taxes, liability insurance, at 12 percent		147.00	
		$1,372.00	
$1,372 per month x 4 months			$5,488.00

Operating Material and Supplies

Timber, 4,400 bd. feet at $100 M	$ 440.00	
150 track ties at $.20 each	30.00	
Explosives, 400 feet at $2.10 per foot	840.00	
Pipe, 350 feet 2-inch black pipe at $.40 per foot	140.00	
350 feet 1-inch black pipe at $.15 per foot	52.50	
Track, 400 feet 12-lb. track at $770 M, complete	308.00	
Drill steel and bits at $1.00 per foot	400.00	
Miscellaneous (small tools, gas and oil, etc.)	1,040.00	
		$3,250.50

Operating Equipment

Depreciation

		Per month
1 365-cfm. compressor	$9,000	$ 150.00
1 D-73 drifter	1,200	20.00
1 jumbo	200	3.33
2 mine cars, $100 each	200	3.33
1 Jeep	600	10.00
1 mucking machine	3,450	57.50

Depreciation over 5-year period, per month —— $ 244.16

$244.16 per month x 4 months		$ 976.64
Labor and supervision	$5,488.00	
Supplies	3,250.50	
Depreciation	976.64	
Total		$9,715.14

$\frac{\$9,715.14}{400 \text{ feet}}$ = $24.29 per foot

Manpower is available from surrounding towns and communities.

Water for camp use is available from Snake Creek.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that exploratory work on the West Park mine or any ore outcropping on the Wasatch Marble Quarry claim is the responsibility of the West Park Mining Co. and cannot be done with Government assistance by a contractor. Projection of mineralization on the Green Monster mine a vertical distance of 540 feet is considered too great a risk. Therefore, an alternate proposal is recommended to do 400 feet of drifting, crosscutting, and/or raising. This work will be within the subleased block held by the applicant. The work can be done at a cost not to exceed $10,000.

It is recommended that the Government enter into a contract with the applicant for 400 feet of development drifting, crosscutting and/or raising. It is suggested that the contract be drawn on the short-form at a price of $25 per foot for the proposed alternate work.

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

OFFICIAL BUSINESS

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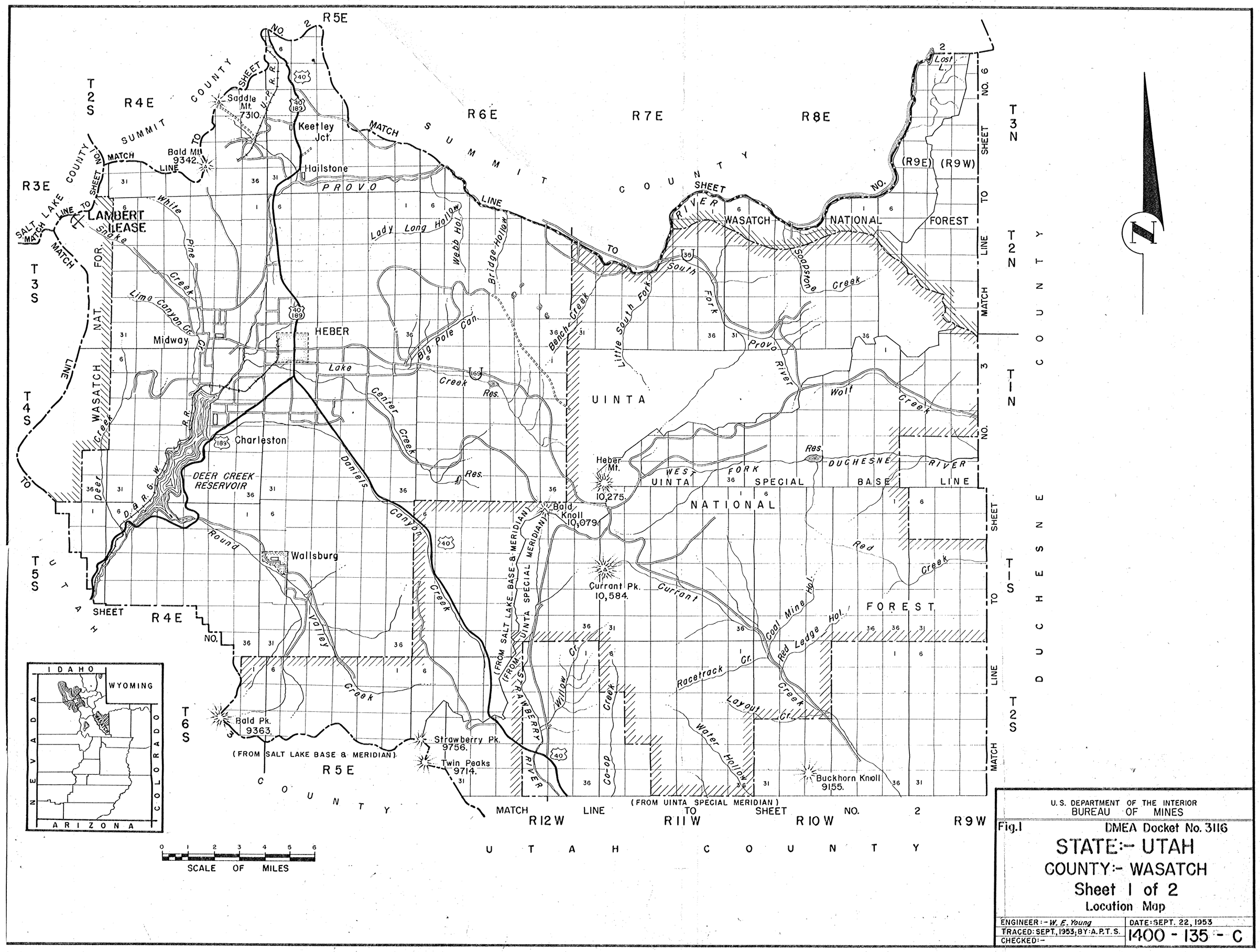
[illegible] ST
[illegible] WASHINGTON

SPOKANE, WASH.
JY 8 7 PM
1955

Mr. George C. Selfridge, Chairman
Operating Committee
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.



U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1

DMEA Docket No. 3116

STATE:- UTAH
COUNTY:- WASATCH
Sheet 1 of 2
Location Map

ENGINEER:- W. E. Young	DATE: SEPT. 22, 1953
TRACED: SEPT., 1953; BY: A.P.T.S.	1400 - 135 - C
CHECKED:-	

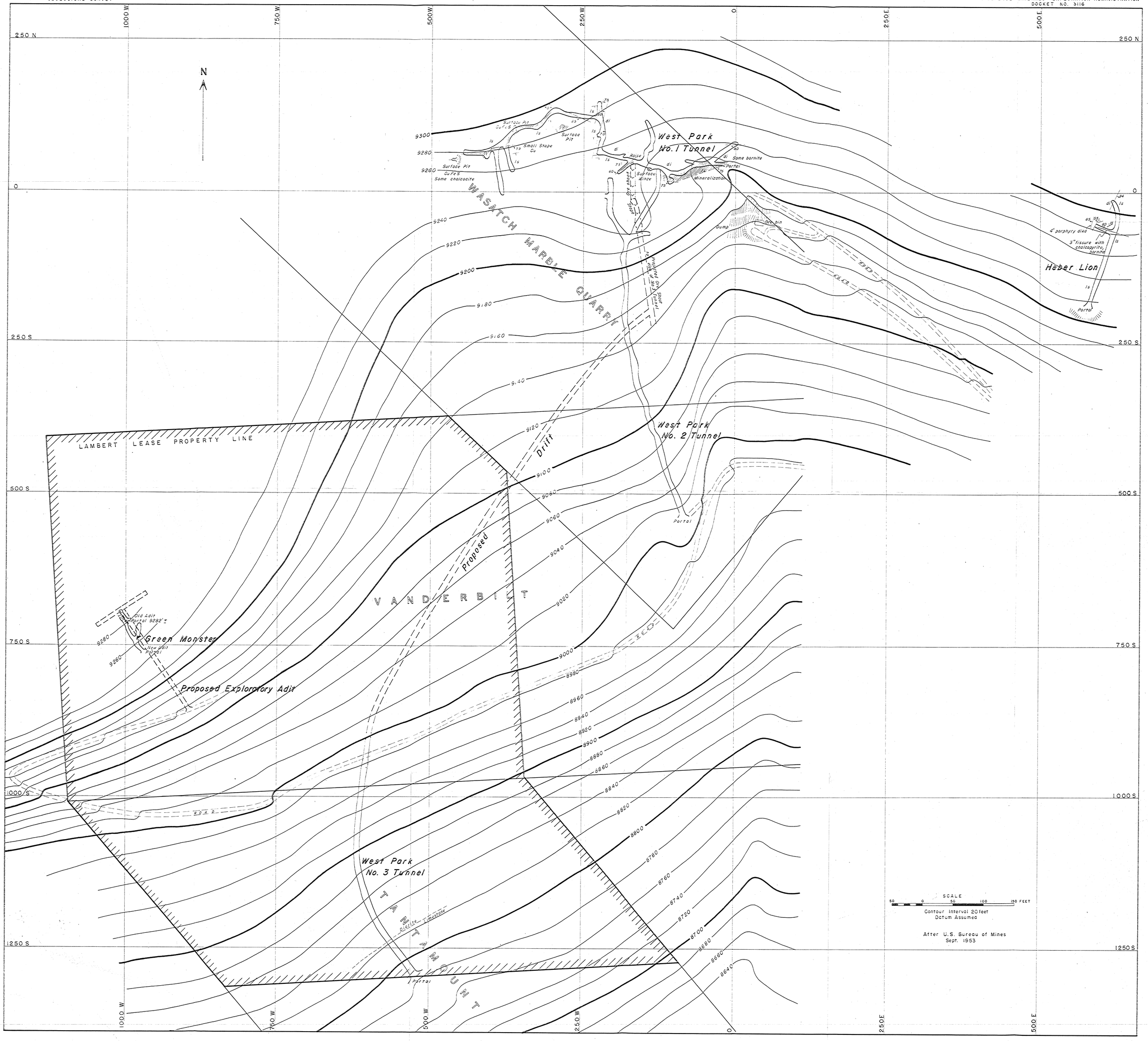
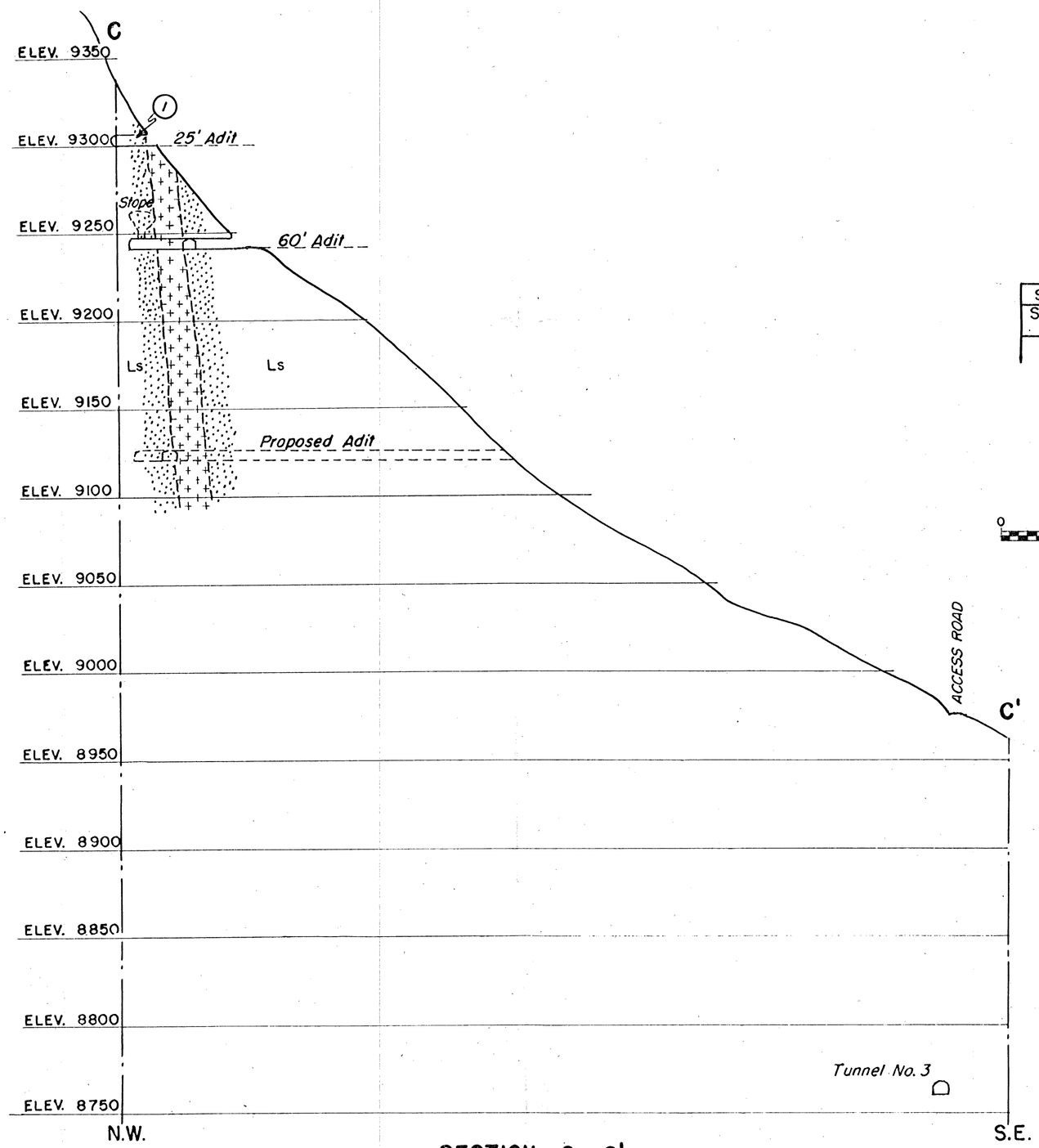


FIG. 2

TOPOGRAPHIC AND GEOLOGIC MAP
WEST PARK, HEBER LION, AND GREEN MONSTER WORKINGS
SNAKE CREEK DISTRICT, WASATCH COUNTY, UTAH



SECTION C - C'

SAMPLE LIST				
SAMPLE NO.	CUT Ft.	Au OZ	Ag OZ	Cu %
1	2.7	.005	0.9	7.85

0 50 100 150
SCALE OF FEET

LEGEND

MINERALIZATION

INTRUSIVE DIKE

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

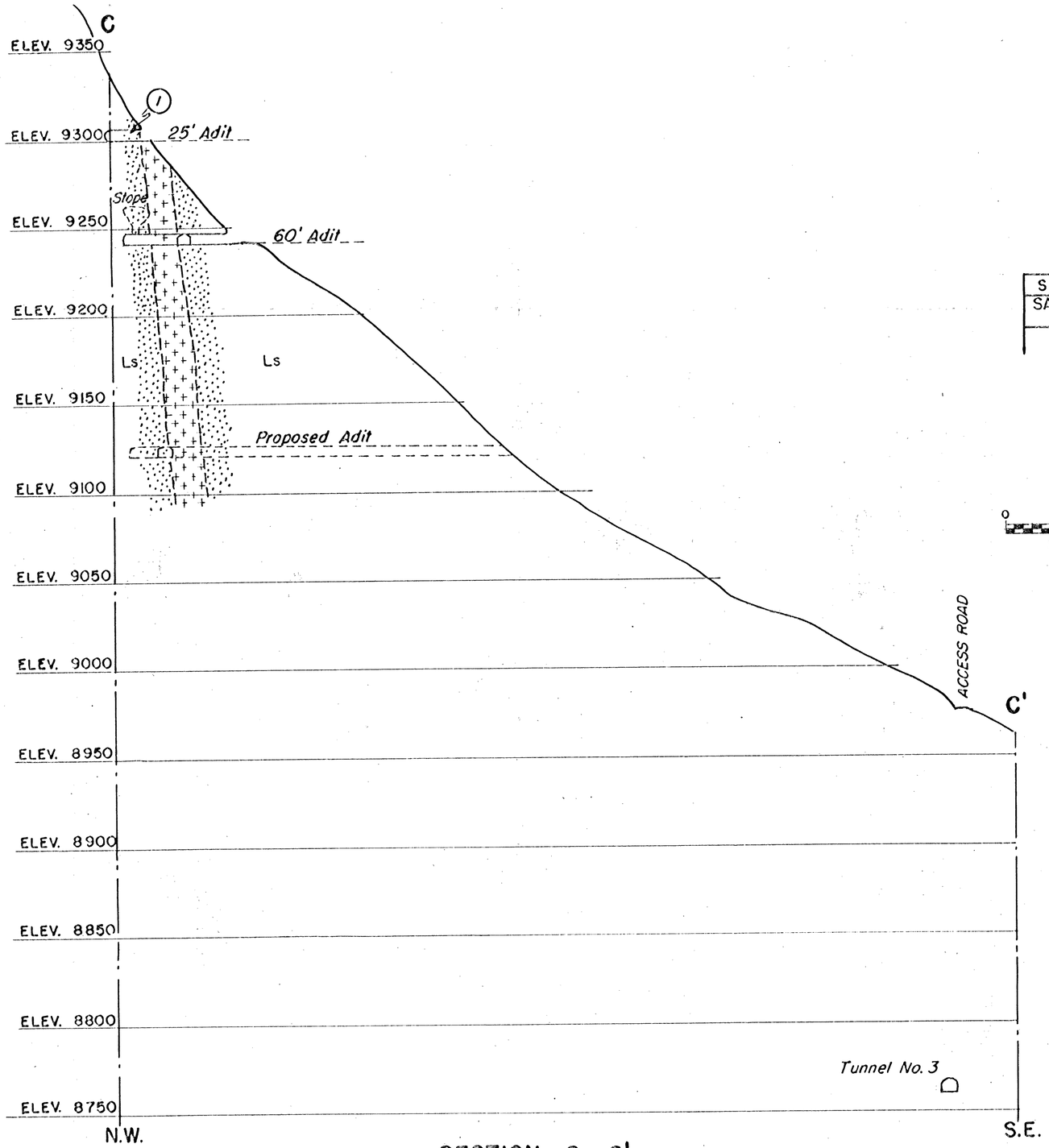
Fig. 3 DMEA Docket No. 3116

Section C - C'

WEST PARK & LAMBERT LEASE PROPERTIES, GREEN MONSTER

WASATCH COUNTY, UTAH

ENGINEER: W. E. Young	DATE: NOV. 6, 1953
TRACED: NOV., 1953; BY: A. P. T. S.	1400 - 137 - D
CHECKED:	



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MINERALIZATION

INTRUSIVE DIKE

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

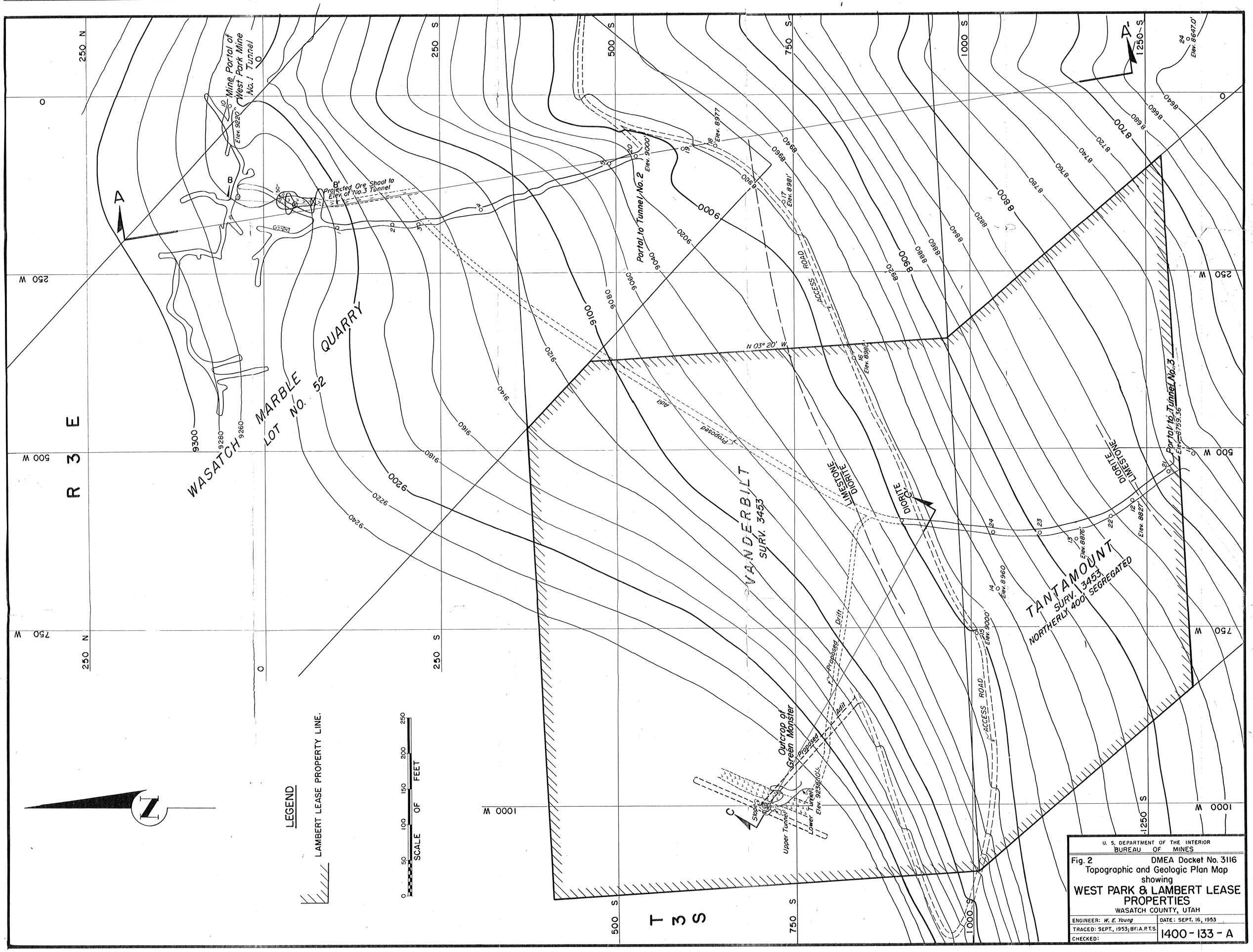
Fig. 3 DMEA Docket No. 3116

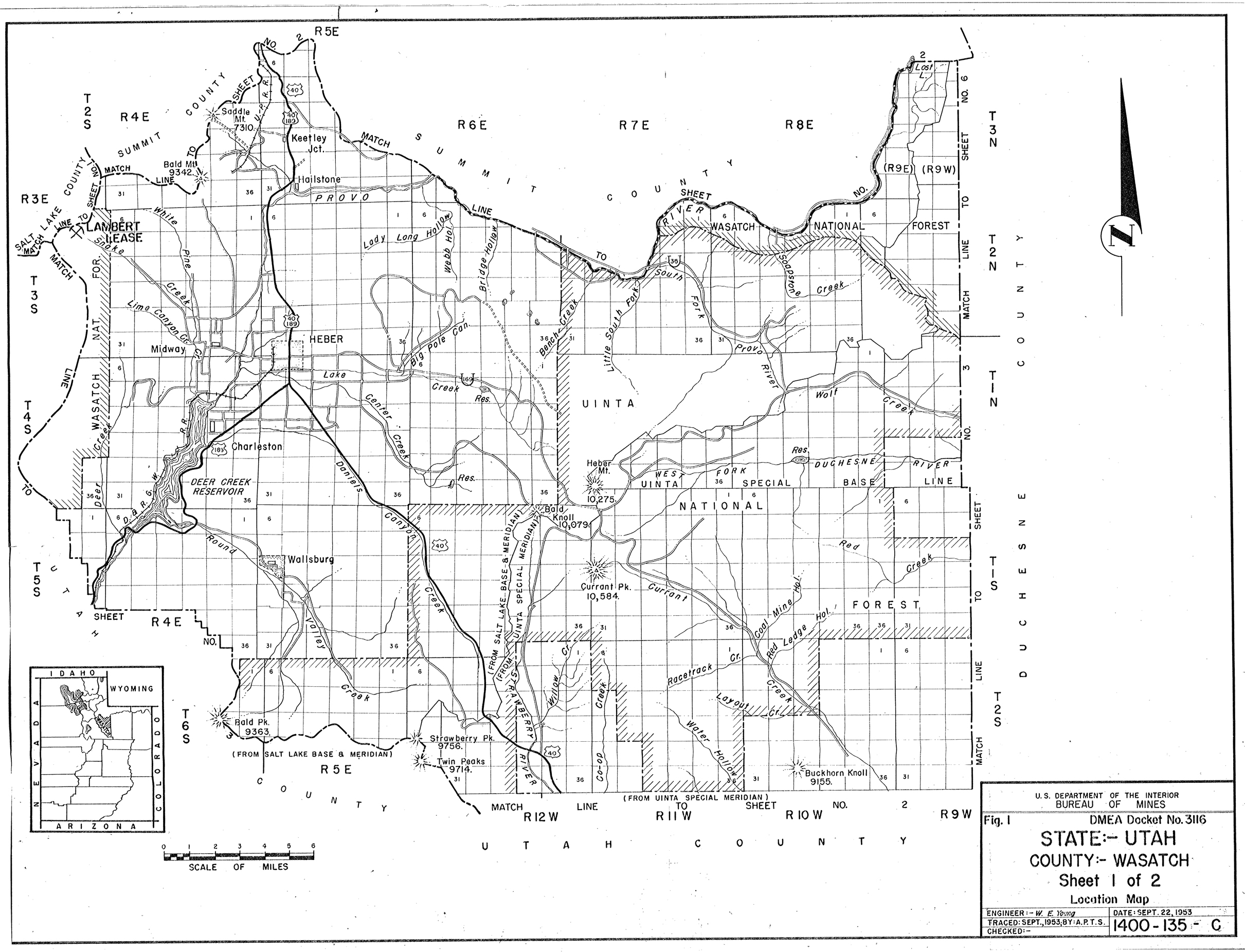
Section C - C'

WEST PARK & LAMBERT LEASE PROPERTIES, GREEN MONSTER

WASATCH COUNTY, UTAH

ENGINEER: W. E. Young	DATE: NOV. 6, 1953
TRACED: NOV., 1953; BY: A. P.T.S.	1400 - 137 - D
CHECKED:	


Mine Portal of West Park Mine No. 1 Tunnel
Elev. 9220'
Projected Ore Shoot to Elev. of No. 3 Tunnel
Portal to Tunnel No. 2
Elev. 9000'
Elev. 8977'
Elev. 8981'
Elev. 8992'
Elev. 8647.0'
Portal to Tunnel No. 3
Elev. 8759.36'
Elev. 8821'
Elev. 8876'
Elev. 8960'
Elev. 9000'
Elev. 9238.10'
WASATCH MARBLE QUARRY
LOT NO. 52
R 3 E
T 3 S
VANDERBILT
SURV. 3453
TANTAMOUNT
SURV. 3453
NORTHERLY 400' SEGREGATED
DIORITE
LIMESTONE
ACCESS ROAD
Proposed Adit
Proposed Drift
Outcrop of Green Monster
Upper Tunnel
Lower Tunnel
Slope
N 03° 20' W
LEGEND
LAMBERT LEASE PROPERTY LINE.
SCALE OF FEET
U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Fig. 2
DMEA Docket No. 3116
Topographic and Geologic Plan Map showing
WEST PARK & LAMBERT LEASE PROPERTIES
WASATCH COUNTY, UTAH
ENGINEER: W. E. Young
DATE: SEPT. 16, 1953
TRACED: SEPT., 1953; BY: A. P. T. S.
CHECKED:
1400-133-A



U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1 DMEA Docket No. 3116

STATE:- UTAH
COUNTY:- WASATCH
Sheet 1 of 2
Location Map

ENGINEER:- W. E. Young	DATE: SEPT. 22, 1953
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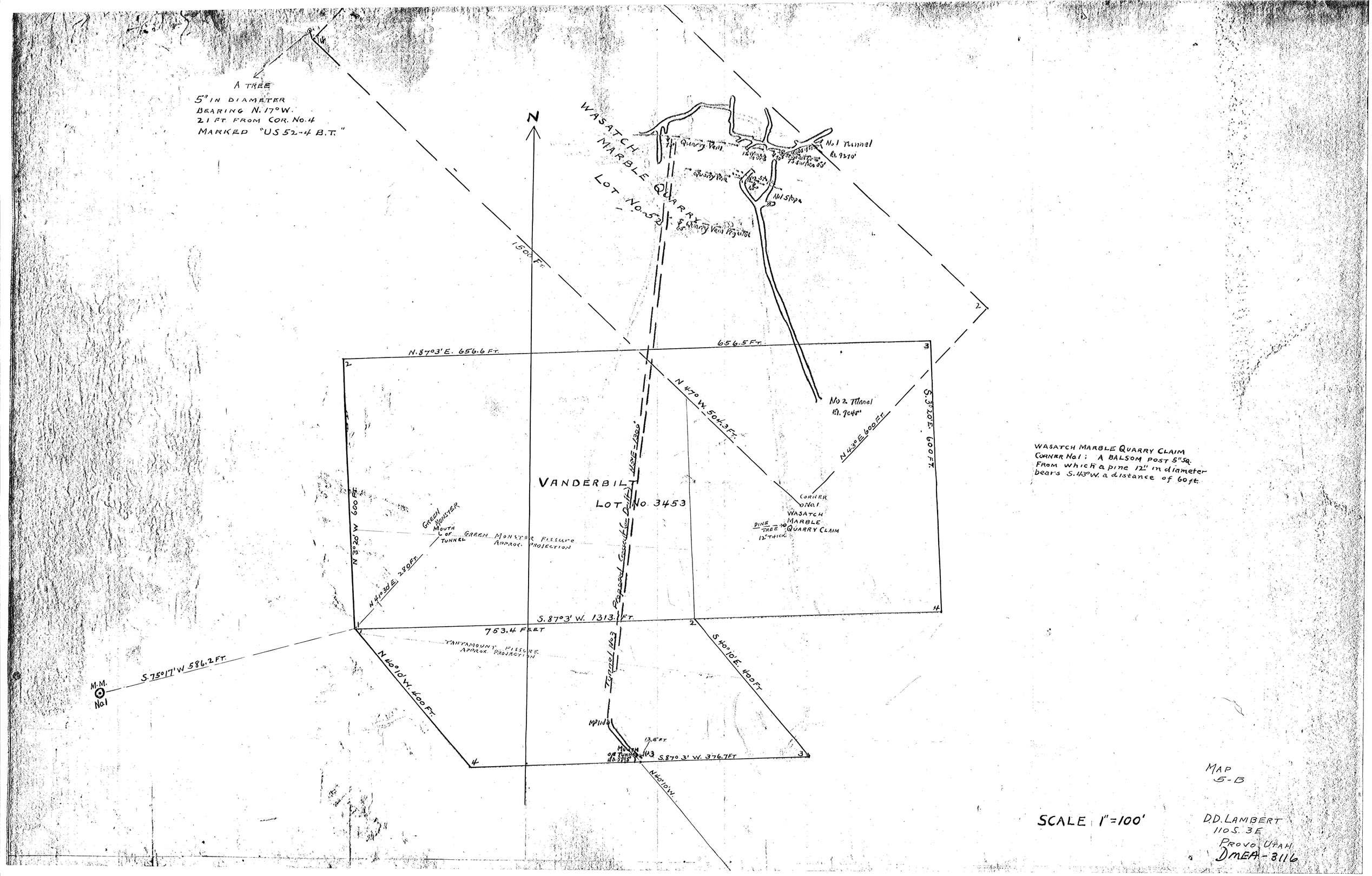

WASATCH MARBLE QUARRY CLAIM
CORNER No 1: A BALSOM post 5" SQ.
FROM which a pine 12" in diameter
bears S. 43° W. a distance of 60 ft.

MAP
5-B

SCALE 1" = 100'

D.D. LAMBERT
110 S. 3 E
PROVO, UTAH
DMEA-3116