DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1089 X

DO NOT DETACH THIS SLIP

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

This document has been recorded as

EXPLORATION LOAN

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

Routing Slip

To:	SUPPLY DIVISION	Date	JUL 31 1951
To:	Reports + Records	Date	8-1-51
To:	Coordinating Comm	Date	9-17-51
To:	R + R	Date	9-18-51
To:		Date	
To:		Date	
To:		Date	
To:		Date	
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To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1089

To: Reports and Records Branch Uhland B. Melton

From: Lead Zinc Branch

Date: July 6 1951

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

Forwarded to _____

Type of request changed to:

_____

Denied ☐ Withdrawn ☐

Approved in amount of $ _____

Other action, specify:

On hand - probably to be denied

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1089

DO NOT DETACH THIS SLIP

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

This document has been recorded as

_____

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

Routing Slip

To: Supply Division Date Nov 5 1951 NOV 8 1951

To: Reports and Records Date NOV 8 1951

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

DO NOT DETACH

CONTROLLED DOCUMENT

NOV 8 195

Re: DMA-1089X
Uhland B. Milton
Lone property
Hudspeth County, Texas
Exploration loan, $10,695
Lead, zinc, copper

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Lead-Zinc Branch

Subject: Confirmation of denial

Application was originally denied on basis of information submitted with docket material plus some telephoned investigations made by the Executive Officer, DMA Field Team. Applicant appealed the denial, and requested that his application be referred to Mr. G. L. DeCarbonel of the Bureau of Mines who examined the property after the original denial was made.

Although Mr. deCarbonel has resigned from the Bureau, he left a short memorandum on the property stating that the probable quantities or quality of any ore that could be discovered by further exploration ~~is~~ are extremely doubtful. This appraisal was confirmed in a telephone call made to him by Mr. Knox of the DMA Field Team office.

In addition, a more detailed report by R. L. McMillan of the Bureau of Mines, based on examinations made in 1946 and 1947, has been consulted. This report shows that the ore is a mixture of lead carbonate and barite that would require flotation for separation. There is an indicated reserve of 6,400 tons of 7% lead on the dump. An additional inferred tonnage of 30,000 tons of 7% lead is based on the assumption that additional small deposits, similar in size to the 2,100 tons shipped (before 1900) from this property, could be found if enough exploration were done in the block of favorable ground. This tonnage is too small to justify a flotation mill. None of the field reports mention any copper or zinc in the deposit, though some zinc carbonate is present in another prospect near the one proposed for exploration.

The Field team recommends re-denial of the application and the Lead Zinc Branch concurs with this recommendation.

4

Returned herewith are the following:

Carbons of letters of June 7 and Sept. 8, referring docket to field.
Memo of June 11, 1951, Gallagher to Coordinating Committee.
Denial memo to Reports & Records, July 31, 1951.
Carbon of denial letter to applicant, July 31, 1951.
2 Copies of memo from Knox to McIlvenny, Sept. 21, 1951
Memo McIlvenny to Knox, Sept. 20, 1951.
Memo from Knox to Coordinating Committee, Sept. 27, 1951.
Memo on Lena mine by R. L. DeCarbonel, Sept. 7, 1951
1 Copy Form MF-103 and MF 10B
6 Maps
4 Assays (attached to one of maps)
Letter dated Oct. 25, 1950, from R. R. Evans
8 Certified copies of 8 separate mineral records
Carbon. of other miscellaneous correspondence
Applicant's letter of August 29 is not now with the docket material, nor is it in Reports and Records file.

G. E. Johnson, Acting Chief
Lead-Zinc Branch

Approved:

Tom Lyon

Director, Supply Division

ETMcKnight:emp
G 11-5-51
Copies to: David Gallagher Region VI (2)
Lead-Zinc Br.
E. T. McKnight 4204 GSA
O. M. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. files
DMA docket files

NOV 8 1951

Re: DMA-1089X

Mr. Uhland H. Walton
El Capitan Hotel
Van Horn, Texas

Dear Mr. Walton:

Your application for an exploration loan of $10,695 has been reviewed by field personnel in accordance with our letter of September 18. Mr. de Carbonel had resigned from the Bureau of Mines before the field referral was made, but we obtained a short report from him. We have also a report made by the Bureau of Mines based on examinations of this property in 1946 and 1947.

On the basis of these reports, we must conclude that the chances for finding any significant tonnage of lead, zinc, or copper, by the exploration that you proposed, are not good enough to warrant an expenditure of public funds. I regret, therefore, that reconsideration of your application has not justified a reversal of the decision previously sent to you, denying your application.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

E McKnight:emp
G 11-5-51

Copies to: David Gallagher Region VI (2)
Hon. Ken Regan, Representative
Lead-Zinc Br.
E. T. McKnight 4201 GSA
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. files
DMA docket files

RECEIVED
NOV 23 1951
Lead Zinc Branch

5

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

NOV 8 1951

Memorandum

Re: DMA-1089X
Uhland B. Milton
Lena property
Hudspeth County, Texas
Exploration loan, $10,695
Lead, zinc, copper

To: Reports and Records Unit
Administrative Management Div.

From: Lead-Zinc Branch

Subject: Confirmation of denial

Application was originally denied on basis of information submitted with docket material plus some telephoned investigations made by the Executive Officer, DMA Field Team. Applicant appealed the denial, and requested that his application be referred to Mr. W. L. DeCarbonel of the Bureau of Mines who examined the property after the original denial was made.

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The field team recommends re-denial of the application and the Lead Zinc Branch concurs with this recommendation.

Returned herewith are the following:

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Applicant's letter of August 29 is not now with the docket material, nor is it in Reports and Records file.

G. E. Johnson, Acting Chief
Lead-Zinc Branch

Approved:

Director, Supply Division

FILE COPY
SURNAME:

350

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

NOV 8 1951

McKnight
Bishop
Johnson

Re: DMA-1089X
Uhland B. Milton
Lena property
Hudspeth County, Texas
Exploration loan, $10,695
Lead, zinc, copper

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Lead-Zinc Branch

Subject: Confirmation of denial

Application was originally denied on basis of information submitted with docket material plus some telephoned investigations made by the Executive Officer, DMA Field Team. Applicant appealed the denial, and requested that his application be referred to Mr. W. L. DeCarbonel of the Bureau of Mines who examined the property after the original denial was made.

Although Mr. deCarbonel has resigned from the Bureau, he left a short memorandum on the property stating that the probable quantities or quality of any ore that could be discovered by further exploration ~~is~~ are extremely doubtful. This appraisal was confirmed in a telephone call made to him by Mr. Knox of the DMA Field Team office.

In addition, a more detailed report by W. D. McMillan of the Bureau of Mines, based on examinations made in 1946 and 1947, has been consulted. This report shows that the ore is a mixture of lead carbonate and barite that would require flotation for separation. There is an indicated reserve of 6,400 tons of 7% lead on the dump. An additional inferred tonnage of 30,000 tons of 7% lead is based on the assumption that additional small deposits, similar in size to the 2,100 tons shipped (before 1900) from this property, could be found if enough exploration were done in the block of favorable ground. This tonnage is too small to justify a flotation mill. None of the field reports mention any copper or zinc in the deposit, though some zinc carbonate is present in another prospect near the one proposed for exploration.

The field team recommends re-denial of the application and the Lead Zinc Branch concurs with this recommendation.

Returned herewith are the following:

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G. E. Johnson, Acting Chief
Lead-Zinc Branch

Approved: Tom Lyon

Director, Supply Division

ETMcKnight:emp
G 11-5-51
Copies to: David Gallagher Region VI (2)
Lead-Zinc Br.
E. T. McKnight 4204 GSA
O. M. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. files
DMA docket files

FILE COPY
SURNAME:

350

McKnight
Bishop
Johnson

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

NOV 8 1951

Re: DMA-1089X

Mr. Uhland B. Melton
El Capitan Hotel
Van Horn, Texas

Dear Mr. Melton:

Your application for an exploration loan of $10,695 has been reviewed by field personnel in accordance with our letter of September 18. Mr. de Carbonel had resigned from the Bureau of Mines before the field referral was made, but we obtained a short report from him. We have also a report made by the Bureau of Mines based on examinations of this property in 1946 and 1947.

On the basis of these reports, we must conclude that the chances for finding any significant tonnage of lead, zinc, or copper, by the exploration that you proposed, are not good enough to warrant an expenditure of public funds. I regret, therefore, that reconsideration of your application has not justified a reversal of the decision previously sent to you, denying your application.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

ETMcKnight:emp
G 11-5-51

Copies to: David Gallagher Region VI (2)
Hon. Ken Regan, Representative
Lead-Zinc Br.
E. T. McKnight 4204 GSA
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. files
DMA docket files

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

OCT 1 8 35 AM '51

~~WASHINGTON 25, D. C.~~
Joplin, Missouri
September 27, 1951

Mr. Tom Lyon, Chairman
Coordinating Committee
Defense Minerals Administration
Washington 25, D. C.

Re: Field re-referral 9/19/51
Docket DMA-1089X
Lena Mine, Hudspeth County, Texas
Exploration - $10,695 - Lead & Copper

Dear Mr. Lyon:

While de Carbonel of the Bureau of Mines, Rolla, Missouri was in Southwest Texas last month assigned to a DMA field referral on Docket 1638X which was fully examined and denied, he also made casual visits to numerous adjacent mines and prospects and filed brief Summary Mineral Reports and memoranda concerning the present status of each in the Bureau's Rolla office. Those visits included the mine on the above subject docket, but did not constitute formal examinations since he merely recorded rather hurried observations. Unfortunately de Carbonel then resigned from the Bureau and DMA, so I referred the docket to L. T. McElvenny, acting executive, DMA Field Team, Region VI, Box 136, Rolla, Missouri where the requested information was filed.

McElvenny returned the above subject docket along with the attached copies of de Carbonel's memorandum and a copy of a more comprehensive examination report by W. D. McMillan in 1947, then district engineer for the Bureau of Mines in Texas.

In addition to David Gallagher's denial of June 7, 1951, I also recommend denial based more on McMillan's report than de Carbonel's memorandum. In a telephone conversation with de Carbonel on September 21, 1951, he mentioned having reviewed McMillan's report when preparing to make those west Texas examinations and inferred to me that he concurred with it and that there had been little change in status since 1947.

Very respectfully submitted

Clinton C. Knox

Clinton C. Knox
for L. T. McElvenny
Acting Executive
DMA Field Team Region VI

/jd

c
o
p
y

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Mines
P. O. Box 136
Rolla, Missouri

September 26, 1951

Memorandum

To: C. C. Knox, Defense Minerals Administration, General Delivery, Joplin, Mo.

From: L. T. McElvenny

Subject: D.M.A. Docket 1089X, U. B. Melton, Lena Mine, Hudspeth County, Texas

Returned to you herewith is the file on the subject docket 1089X and a copy of a report of an examination of the property by W. D. McMillan in December 1946. When McMillan made his examination, the property was called "Julie" and was owned by William Mossman of Pecos, Texas.

W. L. de Carbonel, accompanied by R. D. Sample of the U.S.G.S. and A. P. Williams of Van Horn, Texas, paid a very casual visit to the mine on August 17, 1951, having been informed that a large body of ore was being developed. A copy of his memo report is attached.

In his report McMillan makes no mention of copper in the ore and, in all probability, copper is not an important element in the deposit.

McMillan estimated the indicated reserves in the main workings to be 6,400 tons and the inferred reserves to be 30,000 tons, all containing 7.0 percent lead in the form of cerussite. He recommended that two diamond drill holes be bored to prove the existence of the inferred reserves.

My impression, gained from a study of the report, is that the ore bodies are small; that flotation is required to separate the lead carbonates from the barite; and that insufficient ore could be found to justify constructing a mill. Most assuredly, 37,000 tons of ore would not repay the cost of a flotation mill.

You may use any or all of the attached information when answering Tom Lyon's letter of September 8, 1951. It should be pointed out to him that de Carbonel's visit was only a casual one, that he did not examine the mine or make a formal report on it, and that you have based your findings on McMillan's report.

Perhaps Mr. Melton would be satisfied with a few diamond drill holes in place of his projected tunnel.

/s/ L. T. McElvenny
L. T. McElvenny

Enclosures 2

C
O
P
Y

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Mines
P. O. Box 431
Joplin, Missouri

September 7, 1951

Memorandum

To: L. T. McElvenny, Chief, Mining Branch, Rolla, Missouri

From: W. L. de Carbonel

Subject: Lena Mine, 1.8 miles northwest of Eagle Flat, Hudspeth County, Texas; owner, Unland H. Melton.

The prospector on this property appears to be enjoying a vacation in the desert. We were informed that the property was developing a large body of ore, but on examining the various scattered workings, found that most of the ore piled up at the various portals is the result of dump sorting.

Ore is found in fracture zones in the overlying Hueco limestone (Permian) in gossans and in barite gangues. The probablility for extension of the ore into the underlying sandstone are fair, but the probable quantities or quality of ore are extremely doubtful. The minerals are lead carbonates and barite.

W. L. deCarbonel

Attachments 1

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

September 21, 1951

BUREAU OF MINES
RECEIVED
Division
DATE SEP 24 1951
Reply for sig. of

To: L. T. McElvenny

From: Clinton C. Knox

Subject: Field re-referral to de Carbonel re. DMA-1089X, U. B. Melton, Lena Mine, Hudspeth County, Texas, Exploration loan, $10,695, lead, silver and copper

I am sending you herewith the above subject docket which came in this mornings mail. The attached copy of Tom Lyon's letter of transmittal is self-explanatory.

Although de Carbonel resigned last week and left this DMA office, I was able to reach him by telephone this morning at Girard, Kansas and his verbal appraisal of the above subject prospect, and owner was far from favorable. He stated that he had submitted, to the Bureau of Mines, a memo report along with a summary mineral examination of that and several other properties in the Van Horn locality some time ago, copies of which are not on file in this office. He is moving to that Texas locality to take up his duties with one of the other mines the first of next week and could then probably be reached at the El Capitan Hotel, Van Horn, Texas. However, I think the coordinating Committee can be referred to his report if it is on file in the Washington office of the Bureau, and the entire docket merely returned to that committee.

Dr. Gallagher's denial, following the first field referral June 7, seems to me to be very conclusive, and based on very sound reasoning so I certainly wouldn't want to bother him with a re-referral of this docket even if he was here on duty. I certainly don't believe that anyone should have to engage in further debate of any nature on such an application as this, and I'm sure de Carbonel's memorandum is both appropriate and conclusive with respect to any necessary recommendations.

Clinton C. Knox

Clinton C. Knox

P.S. I believe de Carbonel referred to the above subject mine as the "de Lena", but you will be able to correlate the various names by the location.

350
FILE COPY
SURNAME:

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

Billings
Brady
McKnight
Mitten
Mittendorf

SEP 21 1951

Hon. Ken Regan
House of Representatives
Washington 25, D. C.

My dear Mr. Regan:

Miss Fanning of your office has requested copies of certain letters relating to docket 1MA-1089 on the Lana property of Mr. W. B. Melton, Van Horn, Texas.

Enclosed is copy of letter dated July 31, 1951, to Mr. Ulland E. Melton. Also enclosed is copy of letter of September 18, 1951, to Mr. Melton concerning referral of the docket to the field team Region VI for reappraisal of the application.

If I can be of further assistance to you at any time, please call upon me.

Sincerely yours,

C. O. Mittendorf

Acting Administrator

BJ
9-21

Enclosure 2

TPBILLINGS
~~EMTARK:ks~~ SEP 18 1951

cc: Administrator
T. Lyon
1MA Docket File 1089
Mote
McKnight
Billings
2 copies to Mr. J. H. East, Jr. Region IV

COPY COPY

July 31, 1951

Re: DMA-1089

Mr. Uhland B. Melton
El Capitan Hotel
Van Horn, Texas

Dear Mr. Melton:

Your application for an exploration loan of $10,695, with 50 per cent Government participation to drive a crosscut and inclined raise on your Lena property, has been reviewed by the Defense Minerals Administration.

We believe that the chances of finding a workable deposit of lead or copper by the exploration you are proposing are too poor to justify an expenditure of Federal funds for participation. There is no evidence or good reason for the occurrences of these metals 150 feet below the lead workings. Lead does not form a secondary zone of enrichment below leached outcrops. A secondary enrichment zone for copper could be expected only at a definite level related to the water table or a former water table, and then only if primary sulfides were present. Exploring for such a deposit by tunnelling at a random level below the outcrop has little chance of success in the absence of any independent evidence for ore occurrence at this level. Primary lead mineralization on the fault could be more easily tested by relatively inexpensive test pitting on the surface.

I regret that we are unable to approve the project you have proposed. We wish to thank you for bringing this property to our attention.

Very truly yours,

[redacted]

Tom Lyon, Director
Supply Division

COPY COPY

Air Mail

Re: DMA-1089

Mr. U. B. Melton

Van Horn, Texas

Dear Mr. Melton:

This will acknowledge your letter of August 29 requesting reconsideration of your application for an exploration loan on the Lena property.

Inasmuch as Mr. DeCarbonel of the Bureau of Mines has recently examined the property, as stated in your letter, we are again referring the application to our Executive Officer, DMA Field Team, Region VI, Mr. David Gallagher, with the request that a report be obtained from Mr. DeCarbonel that will help us in reappraisal of your application. Mr. Gallagher is located at 221 West 3d Street, Joplin, Missouri. I trust that this will lead to a satisfactory conclusion on your application.

Very truly yours,

Tom Lyon, Director
Supply Division

FILE COPY
SURNAME:

350

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

McKnight
Bishop
Bilbrough

SEP 18 1951

Re: DMA-1089
U. B. Melton
Lena property, Hudspeth County, Texas
Exploration loan, $10,695
Lead, copper

Mr. David Gallagher
Executive Officer, DMA Field Team
Region VI,
221 West 3d Street
Joplin, Missouri

Dear Mr. Gallagher:

Subject docket was referred to field on June 7, and although information was obtained by the field team which indicated that the application should be denied, a field examination was not made at that time. The denial of the application was based on pointing out fallacies in the applicant's theories of secondary enrichment at depth below low grade outcrops of lead mineralization and below questionably significant copper "boxwork" on his property.

Applicant has questioned the reasons for the denial in his letter of August 29 and requests reconsideration. He states that after he received the denial letter the property was examined by Mr. W. deCarbonel of the Bureau of Mines upon whom he will rely for an impartial appraisal of the property.

We believe that, before engaging in further debate on the applicability of secondary enrichment at this property, it would be pertinent to have Mr. deCarbonel's observations. Would you please refer the application to him for an appropriate report on this property, with recommendation.

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

ETMcKnight:emp
G 9-17-51
Copies to: Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
O. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. file
DMA docket files

FILE COPY
SURNAME: 350

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

McKnight
Bishop
Bellinger
Lyon
Thayer

Airmail

SEP 18 1951

Re: DMA-1089

a.E.C

Mr. U. B. Melton

Van Horn, Texas

Dear Mr. Melton:

This will acknowledge your letter of August 29 requesting reconsideration of your application for an exploration loan on the Lena property.

Inasmuch as Mr. DeCarbonel of the Bureau of Mines has recently examined the property, as stated in your letter, we are again referring the application to our Executive Officer, DMA Field Team, Region VI, Mr. David Gallagher, with the request that a report be obtained from Mr. DeCarbonel that will help us in reappraisal of your application. Mr. Gallagher is located at 221 West 3d Street, Joplin, Missouri. I trust that this will lead to a satisfactory conclusion on your application.

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

g79/20

ETMcKnight:emp
G 9-17-51
Copies to: David Gallagher, Region VI (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
O. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. file
DMA docket files

U. B. Melton
Van Horn, Texas
August 29, 1951

U. S. Department of the Interior
Defense Minerals Administration
Supply Division
Washington, D. C.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
AUG 31 8 45 AM '51

Attn: Tom Lyon, Director Re: DMB- 1089

Dear Sir;

This letter is to request that you reopen my application for a loan for the exploration and development of my Lena property in Hudspeth County, Texas. My grounds for this request is that your office was apparently mistaken as to the relevant facts pertaining to this property, such errors being reflected by your letter of July 31, 1951, the only correspondence I have received in this matter.

In this letter you state "There is no evidence or good reason for the occurence of these metals 150 feet below the lead workings." In support of this conclusion you write "Lead does not form a secondary zone of enrichment below leached outcrops". This is not universally true. Emmons in Principles of Economic Geology, (1940) on page 411, points out "Some lead is transported, however, for galena crystals have been found sitting in the eyes of picks in reopened mines". Bateman in Economic Mineral Deposits, (1942), on pages 247, 249, 257, 261 and 262 offers evidence that Lead redeposits as a secondary mineral. He states on page 262 "The economic minerals redeposited within the zone of oxidation are chiefly native metals, carbonates, silicates and oxides. Those of greatest commercial value are...lead.... For the most part the ores are deposited in the lower part of the zone of oxidation." The actual assays from the winzes (pits) proves that by oxidation there has been a transportation and concentration of lead at lower levels. See the assay chart in my application.

Of course, even if your statement were true, it would not be a valid reason for refusing my application because I made no claim that there was any secondary deposition of lead at this level. I mentioned only copper. I distinctly set out that the box work in the vados zone had been classified by the Geological Department of the School of Mines in El Paso, Texas, as being copper. Is it your position that this Department is incompetent to pass on boxwork?

You further offer as an excuse " A secondary enrichment zone for copper could be expected only at a definite level related to the water table or a former water table, and then only if primary sulphides are present." As an abstract statement of fact, this is true. However, I spent $770.00 digging a drill hole for the specific purpose of testing the depth of thewater table, former water tables, and the existence of primary sulphides; and I sent you in my application a detailed log of this drill hole to show that water was encountered at 146 feet, and immediately underlying a section classified by Dr. Peter Flawn of the Department of Economic

SEP 5 1951

Geology of the University of Texas as beong Iron Pyrites. Dr. Flawn considers this a primary deposition. Thus, it appears that my application proved that the phenomena necessary for the deposition of copper actually exists at the level of the tunnel---according to your own criteria.

You further refer to the development as "tunnelling at random", which classification is wholly unjustified. As shown by the detailed map in my application, the primary purpose of the tunnel is for the purpose of drifting under, and running a mill-hole raise up to, known deposits of ore on the dump and developed by the winzes (pits). This is generally accepted by mining men as the proper mining technique on a hill such as this. The cutting of the fault by the"random" tunnel was listed as an extra possibility, with excellent chances for the discovery of copper at the water table as pointed out by yourself.

Your final sentence to the effect that lead mineralization on the fault could be more easily tested by less expensive "pitting", although questionable, indicates that you did not observe from the map of the old workings that four winzes (pits) had already been done, with favorable results. See Assay Chart on values of ore taken from these winzes (pits).

The only conclusion which I can reach after a careful reading of your letter is that my application was not properly studied, or was incompetently analyzed. Otherwise, the above reasons would not have been given as excuses for refusing my application.

Since the date of your letter, a representative of the Bureau of Mines, Mr. W. deCarbonel, examining mining engineer and geologist, has examined this property. If you want an impartial opinion as the value of the property, please contact him about it. I will welcome a report by the Bureau of Mines, and will go along with the Bureau on any program of development which it desires to set up.

I will appreciate a reply within a reasonable time.

Very truly yours,

U. B. Melton

U. B. Melton

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

OCT 1 8 32 AM '51

xxxxxxxxxxxxxx
Joplin, Missouri

September 21, 1951

To: L. T. McIlvenny

From: Clinton C. Knox

Subject: Field re-referral to de Carbonel re. DMA-10891, U. B. Malton, Lena Mine, Hudspeth County, Texas, Exploration loan, $10,695, lead, silver and copper

I am sending you herewith the above subject docket which came in this mornings mail. The attached copy of Tom Lyon's letter of transmittal is self-explanatory.

Although de Carbonel resigned last week and left this DMA office, I was able to reach him by telephone this morning at Girard, Kansas and his verbal appraisal of the above subject prospect, and owner was far from favorable. He stated that he had submitted, to the Bureau of Mines, a memo report along with a summary mineral examination of that and several other properties in the Van Horn locality some time ago, copies of which are not on file in this office. He is moving to that Texas locality to take up his duties with one of the other mines the first of next week and could then probably be reached at the El Capitan Hotel, Van Horn, Texas. However, I think the coordinating Committee can be referred to his report if it is on file in the Washington office of the Bureau, and the entire docket merely returned to that committee.

Dr. Gallagher's denial, following the first field referral June 7, seems to me to be very conclusive, and based on very sound reasoning so I certainly wouldn't want to bother him with a re-referral of this docket even if he was here on duty. I certainly don't believe that anyone should have to engage in further debate of any nature on such an application as this, and I'm sure de Carbonel's memorandum is both appropriate and conclusive with respect to any necessary recommendations.

Clinton C. Knox

P.S. I believe de Carbonel referred to the above subject mine as the "de Lena", but you will be able to correlate the various names by the location.

SEP 8 1951

Re: SMK-1089
U. B. Melton
Lena property, Hudspeth
County, Texas
Exploration loan, $10,695
Lead, copper

Mr. David Gallagher
Executive Officer, DMA Field Team
Region VI,
221 West 3d Street
Joplin, Missouri

Dear Mr. Gallagher:

Subject docket was referred to field on June 7, and although information was obtained by the field team which indicated that the application should be denied, a field examination was not made at that time. The denial of the application was based on pointing out fallacies in the applicant's theories of secondary enrichment at depth below low grade outcrops of lead mineralization and below questionably significant copper "boxwork" on his property.

Applicant has questioned the reasons for the denial in his letter of August 29 and requests reconsideration. He states that after he received the denial letter the property was examined by Mr. W. deCarbonel of the Bureau of Mines upon whom he will rely for an impartial appraisal of the property.

We believe that, before engaging in further debate on the applicability of secondary enrichment at this property, it would be pertinent to have Mr. deCarbonel's observations. Would you please refer the application to him for an appropriate report on this property, with recommendation.

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

BTMcKnight:emp
G 9-17-51
Copies to: Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
O. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. file
DMA docket files

FILE COPY
SURNAME:

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

Billings
O'Leary
(For info/E)
McKinney
Schroeder

August 1, 1951

[illegible]-1[illegible]:
[illegible] Mining Claims
[illegible], Texas

Hon. Lyndon B. Johnson
United States Senate
Washington 25, D. C.

My dear Senator Johnson:

This is to acknowledge receipt of your letter of July 23 respecting the status of the exploration loan request of Roland B. Walton for the lease Nos. [illegible]-1[illegible]. I am returning herewith Mr. Worthington's letter regarding this application.

I am sorry that there has been some delay in replying to your letter; however, we wanted to give the project due consideration. The chances of finding a workable deposit of lead or copper by the exploration proposed by the applicant does not justify an expenditure of Federal funds. We have therefore advised the applicant of the denial of their request.

Sincerely yours,

W. C. SCHROEDER

Acting Administrator

8/6

TPBILLINGS:ks

cc: Administrator
Reports & Records
Mate
McKnight
Billings
Files

COPY COPY

July 19, 1951

Hon. Lyndon B. Johnson
Senate Chamber
Washington, D. C.

Dear Sir:

I am writing you for a friend of mine, who has made application for a loan to develop as well as to do further prospecting on a copper mine located in this area.

Mr. Uhland B. Milton the applicant made application in April, 1951, and received an acknowledgement of same, but nothing since has been heard.

I would personally appreciate, if you would contact the Defense Mineral Administration, Washington, D. C. and learn why such a delay.

Mr. Milton has more than 100 tons of ore ready to go and his survey shows a very productive mine of lead and from all reports this is very vital to the defense program.

I know this gentleman personally and he is not a fly by night promoter but a very substantial miner and businessman that has the necessary funds to match the Government funds.

The applicant's Docket number is DMA 1089X - LENA MINE.

I will appreciate if you will give this your usual prompt attention and thanking you in advance for same, I am,

Yours truly,

/s/ W. NORTHINGTON

W. Northington
Box 673
Van Horn, Texas

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

August 1, 1951

DMA-1089X
Lena Mining Claims
Madisonville, Texas

Hon. Lyndon B. Johnson
United States Senate
Washington 25, D. C.

My dear Senator Johnson:

This is to acknowledge receipt of your letter of July 23 respecting the status of the exploration loan request of Roland R. Melton for the Lena Mine DMA-1089X. I am returning herewith Mr. Worthington's letter regarding this application.

I am sorry that there has been some delay in replying to your letter; however, we wanted to give the project due consideration. The chances of finding a workable deposit of lead or copper by the exploration proposed by the applicant does not justify an expenditure of Federal funds. We have therefore advised the applicant of the denial of their request.

Sincerely yours,

W. C. SCHROEDER

Acting Administrator

TPBILLINGS:ks

cc: Administrator
Reports & Records
Mote
McKnight
Billings
Files

COPY COPY

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Senate Chamber
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Yours truly,

/s/ W. NORTHINGTON

W. Northington
Box 673
Van Horn, Texas

United States Senate

July 23, 1951

Respectfully referred to
Office of the Administrator
Defense Mineral Administration
Department of the Interior
Washington, D.C.

with thanks for such favorable consideration as the communication herewith submitted warrants, and for a report thereon, in duplicate to accompany return of inclosure.

By direction of

Lyndon B. Johnson U. S. S.

This is a request for information only.

JUL 27 1951

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

JUL 25 1 28 PM '51

LANDON F. STAUFFER

United States Senate

July 23, 1951

Respectfully referred to
Office of the Administrator
Defense Mineral Administration
Department of the Interior
Washington, D.C.

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By direction of

Lyndon B. Johnson, U. S. S.

This is a request for information only.

JUL 26 1951

July 19, 1951 REC'D JUL 23 1951

DMA

Hon. Lyndon B Johnson,
Senate Chamber,
Washington, D.C.

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W. Northington
W. Northington
Box 673,
Van Horn Texas

5/3
68/6-D

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 6 1951
LANDON F. STROBEL
Executive Secretary

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

Q. E. C.

July 31, 1951
Re: DMA-1089
Lena Mine in Hudspeth County, Texas
Exploration loan $10,695
Lead, silver

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of loan

The existing mine opening is driven into the side of a steep hill. It is a Tri-State type of opening, consisting of two connected rooms, each room with about 3 pillars. Overall length of these workings is 120 feet. The floor of the workings is at approximately the same level, but there are 4 irregular winzes to maximum depth of less than 20 feet. The lead-barite ore is a replacement along bedding planes "and along fault fractures" in the limestone. Six assays taken around the walls of the workings and reported by the applicant show 2.2 to 3.4 per cent lead. A sample from the dump, however, reported to have come from the winzes, assayed 8% lead. Composite assay of these 7 samples was 14.2 barite. No known production has been made from the property. The working is adjacent to a fault, according to applicant.

Applicant proposes to drive a 150 foot tunnel (52 feet already completed) at a level 150 feet lower than the mine, to pass through the fault to one side of the mine; he will then turn and drive a 300 foot inclined raise (45°) to the floor of the mine. This raise will angle back through the fault zone and pass under a surface draw so that the upper part of it will be inclined in the same direction as the ground surface at the portal, but at a steeper angle.

The theory behind this proposed work is that there will be a zone of secondary enrichment superposed on any primary ore that may be present below the old mine workings. Although only lead-silver is mentioned on the front page of the application, the written text, especially for item 20, stresses the possibility of secondary copper enrichment at or above the water table, the evidence for copper in the primary ore lying in "a study of the 'box work' in the vadose zone".

It is recommended that the loan be denied, for several reasons. The theory of a secondary zone of enrichment at depth is fallaceous for lead, which is fixed in place during weathering; and if there is a secondary copper zone, the chances it would be hit in

in a tunnel that would be several hundred feet above the water table seem remote. Crosscutting and angling up through the fault zone by an expensive underground development is a poor exploration prospect when there is no evidence to show that the fault is mineralized at the surface, closer to the known occurrence of lead minerals.

The application has been referred to the field for investigation, and although no field examination was made, a telephone conversation between the Executive Officer of the Field Team and members of the Texas Bureau of Economic Geology confirmed the judgment that this proposal has no merit. The details of this conversation are not given in the field report, nor can the denial be strengthened by citing to the applicant the opinion of competent geologists who have seen his property, as the Texas Bureau obviously should not become involved in DMA denials. It is believed, however, that the denial can be based on the obvious defects of the application. Other objections to the application are pointed out in the letter from Executive Officer of the Field Team, which stresses the unlikelihood that any production can result from this exploration because the ore cannot be marketed without milling to separate the barite.

It is recommended that the attached denial letter be sent to applicant.

Returned herewith are: 2 copies each of MF-103 and MF-100; 8 certified copies of 8 separate mineral awards; envelope enclosing financial statement of applicant; 6 maps; 4 assays (attached to one of maps); letter dated Oct. 25, 1950 from R. F. Evans; letter dated June 11, 1951 from David Gallagher, Executive Officer, DMA Field Team; various carbons of transmittal letters.

T. P. Billings, Chief
Lead-Zinc Branch

Approved:

Director, Supply Division

FILE COPY
SURNAME:

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

McKnight
O'Leary
(E.D. Hoth)
Pillmore

July 31, 1951
Re: DMA-1089
Lena Mine in Hudspeth County, Texas
Exploration loan $10,695
Lead, silver

Memorandum

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of loan

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The theory behind this proposed work is that there will be a zone of secondary enrichment superposed on any primary ore that may be present below the old mine workings. Although only lead-silver is mentioned on the front page of the application, the written text, especially for item 20, stresses the possibility of secondary copper enrichment at or above the water table, the evidence for copper in the primary ore lying in "a study of the 'box work' in the vadose zone".

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T. P. Billings, Chief
Lead-Zinc Branch

ETMcKnight:emp G 7-31-51

Approved: Tom Lyon

Director, Supply Division

Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Reports & Records
Directors r. fiel 4214 GSA
Br. r. file 4214 GSA
Files

Memorandum

July 31, 1951
Re: L-4-1059
Lone Star in Hudspeth County, Texas
Exploration loan $10,695
Lead, silver

To: Reports and Records Unit
Administrative Management Div.

From: Chief, Lead-Zinc Branch

Subject: Denial of loan

The existing mine opening is driven into the side of a steep hill. It is a Tri-State type of opening, consisting of two connected rooms, each room with about 5 pillars. Overall length of these workings is 120 feet. The floor of the workings is at approximately the same level, but there are 4 irregular winzes to maximum depth of less than 20 feet. The lead-barite ore is a replacement along bedding planes "and along fault fractures" in the limestone. Six assays taken around the walls of the workings and reported by the applicant show 2.2 to 3.4 per cent lead. A sample from the dump, however, reported to have come from the mineral, assayed 8% lead. Composite assay of these 7 samples was 14.2 barite. No known production has been made from the property. The working is adjacent to a fault, according to applicant.

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The theory behind this proposed work is that there will be a zone of secondary enrichment as proposed on any primary ore that may be present below the old mine workings. Although only lead-silver is mentioned on the front page of the application, the written text, especially for item 20, stresses the possibility of secondary copper enrichment at or above the water table, the evidence for copper in the primary ore lying in "a study of the 'box work' in the upper zone".

It is recommended that the loan be denied, for several reasons. The theory of a secondary zone of enrichment at depth is fallacious for lead, which is fixed in place during weathering; and if there is a secondary copper zone, the chances it would be hit in

In a tunnel that would be several hundred feet above the water table seem remote. Prospecting and mapping up through the fault zone by an expensive underground development is a poor exploration prospect when there is no evidence to show that the fault is mineralized at the surface, closer to the known occurrence of lead minerals.

The application has been referred to the field for investigation, and although no field examination was made, a telephone conversation between the executive officer of the field team and members of the Texas Bureau of Economic Geology confirmed the judgment that this proposal has no merit. The details of this conversation are not given in the field report, nor can the denial be strengthened by citing to the applicant the opinion of competent geologists who have seen his property, as the Texas Bureau obviously should not be some involved in the denials. It is believed, however, that the denial can be based on the obvious defects of the application. Other objections to the application are pointed out in the letter from Executive Officer of the field team, which stresses the unlikelihood that any production can result from this exploration because the ore cannot be concentrated without milling to separate the barite.

It is recommended that the attached denial letter be sent to applicant.

Returned herewith are: 2 copies each of SF-103 and SF-100, 3 certified copies of 3 separate mineral awards envelope enclosing financial statement of applicant, 6 maps, 4 assays (attached to one of maps), letter dated Oct. 29, 1950 from S. R. Evans; letter dated June 11, 1951 from David Gallagher, Executive Officer, Field team, various orders of transmittal letters.

R. R. Billings, Chief
Lead-Zinc Branch

Approved:
Tom Lyon
Director, Supply Division

RTMcKnight:mp 6 7-31-51
Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
S. T. McKnight 4204 GSA
R. H. Mote
Reports & Records
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

FILE COPY
SURNAME 350

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

McKnight
FILE ANY
FOR MOTE
Gilmore

July 31, 1951

Re: DMA-1089

a. E. C.

Mr. Uhland B. Melton
El Capitan Hotel
Van Horn, Texas

Dear Mr. Melton:

Your application for an exploration loan of $10,695, with 50 per cent Government participation, to drive a crosscut and inclined raise on your Lena property, has been reviewed by the Defense Minerals Administration.

We believe that the chances of finding a workable deposit of lead or copper by the exploration you are proposing are too poor to justify an expenditure of Federal funds for participation. There is no evidence or good reason for the occurrence of these metals 150 feet below the lead workings. Lead does not form a secondary zone of enrichment below leached outcrops. A secondary enrichment zone for copper could be expected only at a definite level related to the water table or a former water table, and then only if primary sulfides were present. Exploring for such a deposit by tunnelling at a random level below the outcrop has little chance of success in the absence of any independent evidence for ore occurrence at this level. Primary lead mineralization on the fault could be more easily tested by relatively inexpensive test pitting on the surface.

I regret that we are unable to approve the project you have proposed. We wish to thank you for bringing this property to our attention.

Very truly yours,
Tom Lyon

Tom Lyon, Director
Supply Division

ETMcKnight:emp
G 7-31-51
Copies to: David Gallagher Region VI (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
R. H. Mote
Reports & Records Unit
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

July 31, 1951

Ref [illegible]-1089

Mr. Roland H. Holton
El Capitan Hotel
Van Horn, Texas

Dear Mr. Holton:

Your application for an exploration loan of $10,695, with 50 per cent Government participation, to drive a crosscut and inclined raise on your Lone property, has been reviewed by the Defense Minerals Administration.

We believe that the chances of finding a workable deposit of lead or copper by the exploration you are proposing are too poor to justify an expenditure of Federal funds for participation. There is no evidence or good reason for the occurrence of these metals 150 feet below the lead workings. Lead does not form a secondary zone of enrichment below leached outcrops. A secondary enrichment zone for copper could be expected only at a definite level related to the water table or a former water table, and then only if primary sulfides were present. Exploring for such a deposit by tunnelling at a random level below the outcrop has little chance of success in the absence of any independent evidence for ore occurrence at this level. Primary lead mineralization on the fault could be more easily tested by relatively inexpensive test pitting on the surface.

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Tom Lyon, Director
Supply Division

McKnight:mp
O 7-31-51

Copies to: David Gallagher VI
XXXXXXXXXXXXXXXX Region XX (2)
Chief, Lead-Zinc Br.
[illegible] McKnight [illegible]
R. H. Mote
Reports & Records Unit
Director r. file [illegible]
Br. r. file [illegible]
Files

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

JUN 12 1951
LANDON P. SHUMEL
Executive Secretary

June 11, 1951

Coordinating Committee,
Defense Minerals Administration,
Department of the Interior,
Washington 25, D. C.

Re: Docket DMA-1089
Uhland B. Melton
Hudspeth County, Texas
Lead-silver
Exploration loan

Dear Mr. Lyon:

Examination of the documents comprising the application of Uhland B. Melton (DMA-1089) and some long distance telephoning, leads me to the conclusion that we cannot recommend Government participation at this time in the proposed exploration project.

As outlined in your letter of June 7, 1951, the likelihood of finding enriched ore deposits of secondary origin is not promising.

It is likely that the best mineral values present, if any, are as zinc carbonates and/or silicates. However, zinc is not recorded in the assays accompanying the application. The assays suggest that the lead content might be on the order of 2-1/2 percent. A small amount of silver may be present. There is almost certainly no copper worth considering. The assays indicate a barite content of about 15 percent.

Even if we disregard the seemingly unfavorable geology and assume that ore could be found by the proposed exploration, other factors, as outlined below, suggest that the exploration would not be worth while.

The ground is much faulted and mining might therefore be difficult and expensive.

Milling ore with the content indicated in the paragraph above would be difficult. Failure to separate the barite, which appears to be about as abundant as the ore minerals, would probably result in a penalty. The proposed program would probably not discover sufficient tonnage to justify the expense of erecting a mill to treat this difficult ore on the property. The nearest custom mill is at Deming, New Mexico. It is doubtful if this ore could stand the expense of over 200 miles of railroad freight.

JUN 14 1951

Marketing poses an even worse problem. So far as I can ascertain, the A. S. & R. at El Paso would not want this type of ore or concentrates. There may or may not be a market in Amarillo, Texas. Bartlesville, Oklahoma might take the stuff for zinc but would probably penalize the lead content. Coffeyville, Kansas and Fort Smith, Arkansas are two other possible markets. The mine is so remote from all of these possible markets that it seems likely that the freight charges would be prohibitive.

In conclusion, even if the ore was found, which seems unlikely, and mined and milled, both of which would be difficult, the end result would be a product for which there is no market near enough to make operation at a profit possible.

Sincerely yours,

David Gallagher

David Gallagher
Executive Officer
DMA Field Team, Region VI

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

June 11, 1951

Coordinating Committee,
Defense Minerals Administration,
Department of the Interior,
Washington 25, D. C.

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Hudspeth County, Texas
Lead-silver
Exploration loan

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The ground is much faulted and mining might therefore be difficult and expensive.

Milling ore with the content indicated in the paragraph above would be difficult. Failure to separate the barite, which appears to be about as abundant as the ore minerals, would probably result in a penalty. The proposed program would probably not discover sufficient tonnage to justify the expense of erecting a mill to treat this difficult ore on the property. The nearest custom mill is at Deming, New Mexico. It is doubtful if this ore could stand the expense of over 200 miles of railroad freight.

Marketing poses an even worse problem. So far as I can ascertain, the A. S. & R. at El Paso would not want this type of ore or concentrates. There may or may not be a market in Amarillo, Texas. Bartlesville, Oklahoma might take the stuff for zinc but would probably penalize the lead content. Coffeyville, Kansas and Fort Smith, Arkansas are two other possible markets. The mine is so remote from all of these possible markets that it seems likely that the freight charges would be prohibitive.

In conclusion, even if the ore was found, which seems unlikely, and mined and milled, both of which would be difficult, the end result would be a product for which there is no market near enough to make operation at a profit possible.

Sincerely yours,

David Gallagher
Executive Officer
DMA Field Team, Region VI

Defense Minerals Administration

14-1110037 Expenses of Defense Production
Executive Office of the Pres.
(Allotment to Interior) 1951 10.1

a.c

Mr. David Gallagher
Geological Survey
P. O. Box 431
Joplin, Missouri

MA-1069 from Thomas H. Kuchel, Van Horn, Maxey, is being referred today for field examination.

Otto Herres
Otto Herres, Chief
Land-Water Branch

KTMcKnightsmp
6 6/6/51
Copies to: Chief, Land-Water Br.
E. T. McKnight (Chief, GSA)
G. S. Moon
R. F. Soto
L. F. Strobel
Tom Lyon
Director, Mr. Gile (GSA)
Mr. F. Gale (GSA)
Files

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

June 11, 1951

Coordinating Committee,
Defense Minerals Administration,
Department of the Interior,
Washington 25, D. C.

Re: Docket DMA-1089
Uhland B. Melton
Hudspeth County, Texas
Lead-silver
Exploration loan

Dear Mr. Lyon:

Examination of the documents comprising the application of Uhland B. Melton (DMA-1089) and some long distance telephoning, leads me to the conclusion that we cannot recommend Government participation at this time in the proposed exploration project.

As outlined in your letter of June 7, 1951, the likelihood of finding enriched ore deposits of secondary origin is not promising.

It is likely that the best mineral values present, if any, are as zinc carbonates and/or silicates. However, zinc is not recorded in the assays accompanying the application. The assays suggest that the lead content might be on the order of 2-1/2 percent. A small amount of silver may be present. There is almost certainly no copper worth considering. The assays indicate a barite content of about 15 percent.

Even if we disregard the seemingly unfavorable geology and assume that ore could be found by the proposed exploration, other factors, as outlined below, suggest that the exploration would not be worth while.

The ground is much faulted and mining might therefore be difficult and expensive.

Milling ore with the content indicated in the paragraph above would be difficult. Failure to separate the barite, which appears to be about as abundant as the ore minerals, would probably result in a penalty. The proposed program would probably not discover sufficient tonnage to justify the expense of erecting a mill to treat this difficult ore on the property. The nearest custom mill is at Deming, New Mexico. It is doubtful if this ore could stand the expense of over 200 miles of railroad freight.

Marketing poses an even worse problem. So far as I can ascertain, the A. S. & R. at El Paso would not want this type of ore or concentrates. There may or may not be a market in Amarillo, Texas. Bartlesville, Oklahoma might take the stuff for zinc but would probably penalize the lead content. Coffeyville, Kansas and Fort Smith, Arkansas are two other possible markets. The mine is so remote from all of these possible markets that it seems likely that the freight charges would be prohibitive.

In conclusion, even if the ore was found, which seems unlikely, and mined and milled, both of which would be difficult, the end result would be a product for which there is no market near enough to make operation at a profit possible.

Sincerely yours,

David Gallagher
Executive Officer
IMA Field Team, Region VI

FILE COPY

McKnight
Mote
Hessee

JUN 7 1951

Docket: DMA-1089
Uhland B. Melton
Hudspeth County, Texas
Lead-silver
Exploration loan

Mr. David Gallagher
Executive Officer, DMA Field Team
Region VI
P. O. Box 431
Joplin, Missouri

Dear Mr. Gallagher:

Subject docket is forwarded to the field team with the request that an field examination be made as a basis for judging this application.

We believe that the work proposed is based on a faulty interpretation of the geology. The deposit appears to be a bedded deposit in limestone so that coming in below the deposit would hold no promise. The applicant's interpretation that he will get secondary enrichment 80 ft. below a primary lead-zinc deposit does not appear to be sound, as secondary zinc is commonly fixed by the limestone very close to the original ore. If there was copper in the supposed primary deposit, the hope of finding a secondary enrichment at the water table is unsound for the water table must be a long distance below the proposed level of exploration. Unless there is independent evidence that the supposed fault contains ore, or has contained ore before leaching, there appears to be little reason for exploring the fault in depth. Secondary enrichment in lead which is the chief metal sought by the applicant is not to be expected in a deposit of this type.

In other words, we believe that this is an unpromising prospect but the evidence presented is not quite complete enough for a final judgment without examination.

Very truly yours,

ETMcKNIGHT:emp
G 6/6/51
Copies to: Chief, Lead-Zinc Br.

Tom Lyon
Chairman
Coordinating Committee

Lowell B. Moon
for the Bureau of Mines

Olaf N. Rove
for the Geological Survey

E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
Tom Lyon

Directors r. file 42;4 GSA
Br. r. file 4214 GSA
Adm. file
Files

FILE COPY

McKnight
Mote
Herres
Lyon
Moon

June 6, 1951

Re: Docket DMA-1089

Mr. Uhland B. Melton
El Capitan Hotel
Van Horn, Texas

Dear Mr. Melton:

Your application (Docket DMA-1089) for a Government Loan under the provisions of the Defense Production Act of 1950 has been reviewed by the Lead-Zinc Branch of the Defense Minerals Administration. Before final decision can be taken on your request it will be necessary to obtain additional information on your property. Your application, therefore, has been referred to Mr. David Gallagher, Executive Officer of the Field Team, Box 431, Joplin, Missouri, with the request that the needed information be supplied to us.

Very truly yours,

Tom Lyon, Director
Supply Division

ETMcKnight:emp
G 6/6/51

Copies to: David Gallagher
Region VI (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
Tom Lyon

Directors r. file 4214 GSA
Br. r. file 4214 GSA
ADM. file
Files

FILE COPY
SURNAME:

Strobel

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

May 4, 1951

Mr. Uhland B. Melton
Van Horn
Texas

Subject: DMA-1089 X
Re: Loan - $10,695
Lena Mine

My dear Mr. Melton:

Receipt is acknowledged of your application and attachments of April 12 for a Government loan under the Defense Production Act of 1950.

The application was assigned Docket Number 1089 X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch, on May 1.

In any future correspondence relating to your application, kindly refer to DMA-1089 X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:aec
copies to Strobel-2
Files
Mr. Herres
Mr. Lyon

FILE COPY
SURNAME:

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

14-1110037 Expenses of Defense Production
Executive Office of the Pres.
(Allotment to Interior) 1951 10.1

McKnight
Herres
Mote

Mr. David Gallagher
Geological Survey
P. O. Box 431
Joplin, Missouri

DMA-1089 from Uhland B. Melton, Van Horn, Texas, is being referred today for field examination.

Otto Herres
Otto Herres, Chief
Lead-Zinc Branch

ETMcKnight:emp
G 6/6/51
Copies to: Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
Tom Lyon
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

May 4, 1951

Mr. Uhland B. Melton
Van Horn
Texas

Subject: DMA-1089 X
Re: Loan - $10,695
Lone Mine

My dear Mr. Melton:

Receipt is acknowledged of your application and attachments of April 12 for a Government loan under the Defense Production Act of 1950.

The application was assigned Docket Number 1089 X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch, on May 1.

In any future correspondence relating to your application, kindly refer to DMA-1089 X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:sec
copies to Strobel-2
Files
Mr. Herres
Mr. Lyon

APR 27 1951

Form MF-103
(April 1951)

U[redacted] DEPARTMENT OF THE INTER[redacted]R

DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 1089

Date received 4-30-51

Participation

Uhland B. Melton
Van Horn, Texas

Name and address of applicant

Date April 12, 1951

FILL IN THIS BLOCK

Date of application April 12, 1951

Estimated cost $10,695.00

Mineral or metal Lead - Silver

Percentage of Government participation 50%

Location of mine 2 miles North West of Eagle Flat Station on T & P Ry. Hudspeth County, Texas. 100 miles east of El Paso, Texas.

Date of filing MF-100 April 12, 1951

DMA Docket Number, if available dma 1089

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

Duncan 18 B (Eagle)

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THE PROPERTY

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

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

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

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

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

THE EXPLORATION

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

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

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

CERTIFICATION

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

Lena Mine
(Name of company)

By U. B. Melton
(Signature of authorized official)

April 12, 1951
(Date)

Owner
(Title)

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

*Same as footnote on page 1.

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

Form MV-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma/1089

Date received 4-30-51

Uhland B. Melton
Van Horn, Texas

Name and address of applicant

Date April 12, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address	Official Title (If officer is also director indicate by "D")	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year	Estimated Net Worth Outside of Interest in Applicant	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common	Preferred	Amount	Net Cash Surrender Value After Loans
None							
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock None	$	$	$		
Preferred stock None	$	$	$		

*Indicate period covered.

10. Production: None

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

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

Lena Mine
(Name of company)

By U. B. Melton
(Signature of authorized official)

April 12, 1951
(Date)

Owner
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma/1089

Date received 4-30-51

Participation

Uhland B. Melton
Van Horn, Texas

Name and address of applicant

Date April 12, 1951

FILL IN THIS BLOCK

Date of application April 12, 1951

Estimated cost $10,695.00

Mineral or metal Lead-Silver

Percentage of Government participation 50%

Location of mine 2 Miles North West of Eagle Flat station on T & P Ry.
Hudspeth County, Texasm 100 miles east of El Paso, Tex.

Date of filing MF-100 April 12, 1951

DMA Docket Number, if available dma/1089

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.

    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

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

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

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

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

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

*16. History:

    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

    (*b*) State briefly the known history and production of adjoining and neighboring properties.

    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

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

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

*18. Ore or mineral reserves: (If property is or has been operating.)

    (*a*) Describe the ore or mineral deposits briefly.

    (*b*) Submit available maps and assay data.

    (*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

    (*b*) Supervisors, by numbers and positions, with salaries of each.

    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

    (*f*) Cost of rental for equipment which the operator proposes to rent.

    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

    (*i*) Cost of power, water, utilities, and any other items not provided for above.

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

CERTIFICATION

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

Lana Mine
(Name of company)

By U. B. Nelson
(Signature of authorized official)

April 12, 1951
(Date)

Owner
(Title)

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

*Same as footnote on page 1.

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

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dma 1089

Date received 4-30-51

Uhland B. Melton
Van Horn, Texas

Name and address of applicant

Date April 12, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
None							
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock None	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item None	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

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

Lena Mine
(Name of company)

By U. B. Melton
(Signature of authorized official)

april 12, 1951
(Date)

Owner
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dmd 1089

Date received 4-30-51

Uhland B. Melton
Van Horn, Texas

Name and address of applicant

Date April 12, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address	Official Title (If officer is also director indicate by "D")	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year	Estimated Net Worth Outside of Interest in Applicant	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common	Preferred	Amount	Net Cash Surrender Value After Loans
None (a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock None	$	$	$		
Preferred stock None	$	$	$		

*Indicate period covered.

10. Production:

None Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

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

Lena Mine
(Name of company)

By U. B. Melton
(Signature of authorized official)

April 12, 1951
(Date)

Owner
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

dma 1081

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Joplin, Mo.

April 27, 1951

Mr. U. B. Melton,
El Capitan Hotel,
Van Horn, Texas.

Dear Mr. Melton:

You are to be commended for the rapidity with which you completed your application for exploration. However, as I stated to you in my letter of April 23, your application should be submitted directly to Washington. I have therefore forwarded it to Washington. Unfortunately, this office does not have the authority of selection or action with regard to such applications prior to their review in Washington. We can act only on instructions from Washington to do so.

Sincerely yours,

David Gallagher

cc: Defense Minerals Administration,
Washington 25, D. C.

BUREAU OF MINES
WASHINGTON, D. C.

APR 30 10 11 PM '51

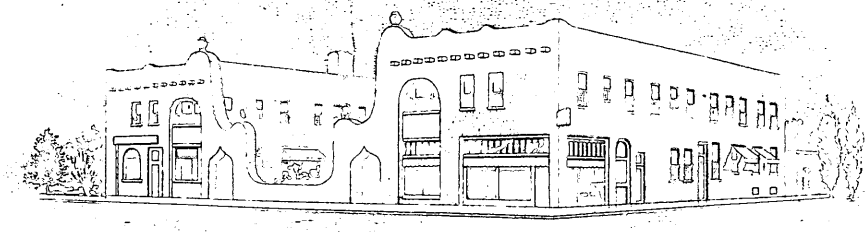
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOTEL GATEWAY
EL PASO, TEXAS

EL HIDALGO
LORDSBURG, N. M.

dmr 1089

APR 27 1951



El Capitan Hotel

JACK PRICE, MANAGER

VAN HORN, TEXAS

April 25, 1951

U. S. Department of Interior
Bureau of Mines,
Attention Mr. David Gallagher
Joplin, Mo.

Dear Mr. Ghallagher;

Your letter of April the 23 received this morning.

I am therefore sending my application for developement direct to you.

The Bureau Office at Washington sent me application blanks the first part of last week.

Respectfuly,

U. B. Melton

U. B. Melton

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERI
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 1089

Date received 4-30-51

Participation

Uhland B. Melton
Van Horn, Texas

Name and address of applicant

Date April 12, 1951

FILL IN THIS BLOCK

Date of application April 12, 1951

Estimated cost $10,695.00

Mineral or metal Lead-Silver

Percentage of Government participation 50%

Location of mine 2 Miles North West of Eagle Flat Station on T & P Ry Hudspeth County Texas. 100 Miles east of El Paso, Tex.

Date of filing MF-100 April 12, 1951

DMA Docket Number, if available dma 1089

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

CERTIFICATION

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

Lena Mine
(Name of company)

By H. B. Melton
(Signature of authorized official)

April 12, 1951
(Date)

Owner
(Title)

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

*Same as footnote on page 1.

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

Form ME-300
(March 1951)

U.S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. dmm 1089

Date received 4-30-51

Uhland B. Melton
Van Horn, Texas

Name and address of applicant

Date April 12, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address	Official Title (If officer is also director indicate by "D")	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year	Estimated Net Worth Outside of Interest in Applicant	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common	Preferred	Amount	Net Cash Surrender Value After Loans
None							
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock None	$	$	$		
Preferred stock None	$	$	$		

*Indicate period covered.

10. Production: None

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

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

Lena Mine
(Name of company)

By R. B. Melton
(Signature of authorized official)

April 12, 1951
(Date)

Owner
(Title)

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

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

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

March 29, 1951

Mr. U. B. Melton
El Capitan Hotel
Van Horn, Texas

Dear Mr. Melton:

In reply to your letter of March 3, requesting information on Government assistance to develop your mining property near Eagle Flat Mountain in west Texas:

For your information, I am enclosing a copy of a press release announcing the exploration ~~and development~~ program recently approved by the Defense Minerals Administration. You will note that silica is not one of the minerals included in the program but that lead, zinc, and copper ores are included. The program is based on matching funds advanced by an operator with Federal funds to pay the cost of exploration on projects approved after investigation by government geologists and engineers. The The Federal contribution will be a loan, to be repaid if the exploration is successful. Application forms and information on administration of this program will be available for distribution soon. If you are interested in applying for this form of assistance, I suggest you arrange to obtain the necessary application blanks and other information from the Regional Office of the U. S. Bureau of Mines, Farfield Building, Amarillo, Texas.

I trust that this will satisfactorily answer your inquiry. If I can be of further assistance to you at any time, please do not hesitate to call upon me.

Very truly yours,
Tom Lyon
D
Tom Lyon, Director
Supply Division

Enclosure (1)

cc: Mr. Hale
Mr. Herres
Mr. Lyon
Mr. McKnight
Files

2 copies - Mr. David Gallagher, Exec. Officer,
National Field Team, Region VI,
P.O. Box 471, Joplin, Mo.

MMotsmfb

January 5, 1951

Mr. [illegible] Kelton
Van Horn, Iowa

Dear Mr. Kelton:

In reply to your letter of January 15, requesting information on Government assistance in developing your zinc-lead-copper-silver mining property in Dubuque County, Iowa, Federal aid is among preferential credit and supply of strategic and critical items, as provided in the Defense Production Act of 1950, is taking the following format:

1. Such as contracts made by the General Services Administration on projects certified by the DMA.

2. Accelerated amortization of equipment allowed under the tax laws to those firms having certificates of necessity issued by the National Security Resources Board after investigation by DMA.

3. Government assistance in the mine development.

Procedures for the operation of the production and development have not been worked out in detail. However, they will be given wide publicity.

Interested producers in the [illegible] should contact Government assistance should address their requests to Mr. [illegible] Boyd, Administrator, Bureau of Mines, Department of the Interior, Washington 25, D. C. [illegible] and information. In addition to the proper procedures of the applicant, the name and exact location of the mining property; [illegible] information [illegible], [illegible] should be given. [illegible] the property from the [illegible], [illegible] application should contain the following:

1. [illegible] description of the property.

2. [illegible] description of the property.

3. [illegible] work, [illegible], etc.).

4. [illegible] description.

5. [illegible] (including [illegible] or sketches, if available).

6. [illegible]'s or [illegible], if available.

7. Description of surface or underground installations and equipment (hoist, ore receiver, [illegible] lines, crushers, mill, milling equipment, offices, housing, etc.).

8. Description of proposed project, including type of assistance desired.

9. Requirements for proposed projects in terms of money, manpower, construction, equipment, supplies, roads, water supply, and time to carry out project.

Enclosed are five copies of [illegible] Form 146, Application for Government Loan. Four copies of this together with the other information outlined above should be returned to Mr. James Boyd.

I trust this information satisfactorily answers your inquiry. If I can be of further service at any time, please do not hesitate to call upon me.

Very truly yours,

[illegible], Chief
Logistics Branch, [illegible]

[illegible]/pfb
CC: Mr. Hote
Mr. McKnight
Mr. Herres
Mr. Strobl
2 copies to Executive Officer Field Team, Region VI
Joplin, Missouri

Files

Form MF-103
(April 1951)

U.S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 1089

Date received 4-30-51

Participation

Uhland B. Melton
Van Horn, Texas

Name and address of applicant

Date April 12, 1951

FILL IN THIS BLOCK

Date of application April 12, 1951

Estimated cost $10,695.00

Mineral or metal Lead-Silver

Percentage of Government participation 50%

Location of mine 2 Miles N.W. of Eagle Flat Station on T & P Ry, Hudspeth County, Texas. 100 miles East of El Paso, Texas

Date of filing MF-100 April 12, 1951

DMA Docket Number, if available dma 1089

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

THE EXPLORATION

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

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

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

CERTIFICATION

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

Lena Mine
(Name of company)

By U. B. Melton
(Signature of authorized official)

April 12, 1951
(Date)

Owner
(Title)

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

*Same as footnote on page 1.

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

HOTEL GATEWAY
EL PASO, TEXAS

EL HIDALGO
LORDSBURG, N. M.

dmd
1089

El Capitan Hotel

VAN HORN, TEXAS

JACK PRICE, MANAGER

U. B. Melton
Van Horn, Texas

Page #1 Individual.

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EL PASO, TEXAS

EL HIDALGO
LORDSBURG, N. M.

Box 1089

El Capitan Hotel

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JACK PRICE, MANAGER

U. B. Melton
Van Horn, Texas

Page #2 It is not a partnership.

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Van Horn, Texas

Page #3 It is not a corporation.

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Van Horn, Texas

Page #4

Began mining and prospecting in 1920. Made my forst shipment of ore to the American Smelting & Refining plant at El Paso, Texas that year. Have been prospecting and mining ever since that time. (The old saying, once a prospector always a prospector, there is no cure).

Was engaged in general merchandising for several years at Allamore Texas. Cattle Business at same place for a number of years. Done the original work and built first road to Eagle Mountain Fluorspar property in Eagle Mountains, Hudspeth Co. Shiped the first eight cars of ore from this property.

Went to California in 1941 for wifes health.

Worked for Consolidated Aircraft Co. at San Diego, Cal. durig the war as a class A Chief Clerk. Prospected Old Mohawk property north of Allamore in 1946.

Have been speculating in the stock market since them. made a living and a little money.

Back now to my first love and need a little help.

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U. B. Melton
Van Horn, Texas

Page 6 Im the owner.

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Van Horn, Texas

Page 7. No lease. I have purchased the minerals from the State of Texas (see awards from State of Texas Land Commissioner)

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U. B. Melton
Van Horn, Texas

Page #9 What ever portion, in consideration of what I have done, and the materials I have on hand, The Bureau should consider fair.

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Van Horn, Texas

Page #10. A descriptinn of the property is set out in the eight mineral awards, made by the Land Commissioner of the State of Texas. (certified copys accompany application.)

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Page 11. The former name of this property was " Julia".

The Present name is"Lena."

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Page 12. 100 Miles east of El Paso, Texas on the T & P Ry.

15 miles east of Sierra Blanca, Texas the County Seat of Hudspeth County, Tex.

20 Miles west of Van Horn, Texas. County seat of Culbertson County, Texas

2 Miles north west of Eagle Flat Station on the T & P Ry. (This would be the shipping point until sufficient ore was developed to install private loading switch.)

Road to shipping point at Eagle Flat is better than average country road. Down hill all the way and is one and seven tenths miles to switch. (see aerial map)

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Page #13 Have drilled a water well that tested almost 5 gallons of water PM, at a cost of $770.00 (see Log map included)

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Page #14. There are no structures of any kind on the property at the present time.

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Van Horn, Texas

Page #15 The ore could be hauled one and seven tenths mile from the mine to the switch on the T & P Ry at Eagle Flat Texas. Thence, 100 miles to the American Smelting & Refining plant at El Paso, Texas

It could be milled at the mine.

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Van Horn, Texas

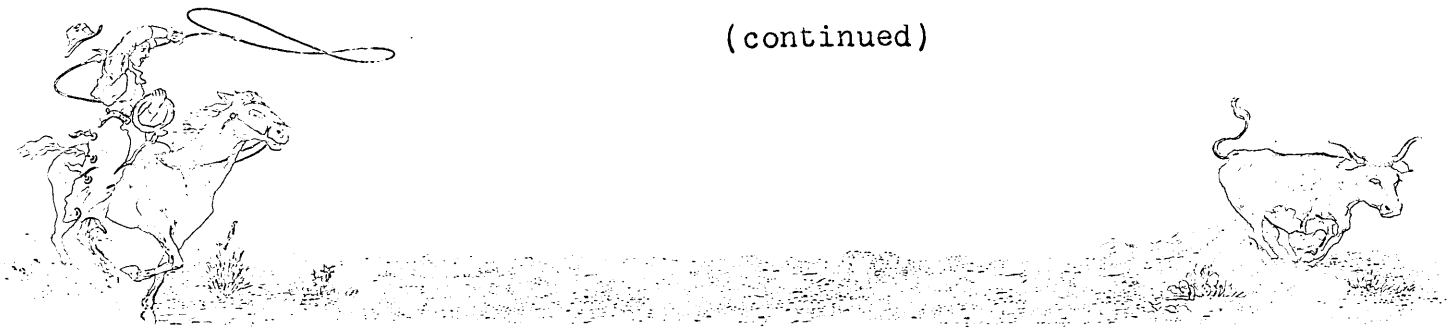
Page # 16
(a)

All I know about this property is hearsay, except from the year 1920. The original work was done along about the time of the construction of the T & P Ry., in 1881. by Uncle Tom Owen, a captain in the Confederate Army, Nick and August, two old German prospectors, that spent all their life in this country, and had names no one could pronounce, and, a man by the name of Grant. They were all four in partners. There is no record of how much work they done or any ore shipments.

Then came a Mr. Clifford who was the Superintendent of the Hazel Mine in Culbertson County during its time of most productivity. There was a man I believe by the name of Clark did some work in the 1920s and in 1945 a man by the name of Rossman did some work. I came along in September of last year, inquired of the Land Commissioner, of the State of Texas of the property was open to filingw and was advised by him that it was. I had the claims surveyed and the awards were granted to me. (See certified copys inclosed)

The reason for suspension of operations is presumptious on my part but judge that it was because the developement in the vadose zone did not show sufficient values to warrent shiping at that time.

(continued)



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Page #16
(continued)

(b) Hazel Mine. Shiped high grade copper silver in 1880s and 1890s. also good ore in 1930s.

Sancho Panza and Black Shaft. Produced from time to time low grade, highly silicious, copper.

Plata Verde. Shiped 250 cars of copper-silver ore.

Eagle Mountain Fluorspar. Operated during World war two, and afterwards.

Bonanza. Has good record of shiping Lead and Zinc concentrates with considerable Silver content, and some gold.

Small amounts of ore shiped from many prospects scattered about the country.

(C) See letter included from R. Evans, and attached note.

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Page 17. No known production from this property.

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(a) The ore is replacement in bedding planes of the Hueco Lime and along fault fractures in the same formation. It is the opinion of all geologists who have visited the property that secondary and possibly primary ore will be encountered in the underlying basel permian. It is anticipated that the contemplated developement will either prove this theory true or false.

(b) Geological, Aerial, Survey of Old workings, Contour, Mineral Claims superimposed on Aerial, Well Log, Assay, maps are all inclosed.

(c) Tonnages would be hard to estimate from the way old work was done. Boys from School of Mines, El Paso, have estimated over eight thousand tons of mineralized matter in old workings. (See survey map and assay map).

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Van Horn, Texas

I believe conditions and circumstances are pretty well covered by statements and inclosed maps.

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JACK PRICE, MANAGER

U. B. Melton
Van Horn, Texas

A study of the "box work" in the Vados zone shows copper, lead, and silver.

The ore on the dump (see assay map) shows the lead is lagging behind in the leaching back, which is asit should be, and the copper should be lower down, possibly at the water table or above. The search to be conducted is both for hypogene and supergene and very likely secondary enrichment.

There is deffinate proof of possibilities of high grade zinc in tension fractures.

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U. B. Melton
Van Horn, Texas

Page # 21

It is proposed to run a drift Approximately 150' to cross-cut mineralized fault. Then run inclined raise underneath old workings. This is tentative and would be subject to change if commercial ore were encountered at any place in the drift.

If good equipment were available this work should be completed in four months.

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VAN HORN, TEXAS

U. B. Melton
Van Horn, Texas

Page #22.

The geological bases is well covered by the inclosed letter writen to me by R. Evans, a this years graduating mining geologist, from School of Mines El Paso, Tex.

I do not believe there is anything I or anyone else could add. It is unpretentious, is the consenses of opinion of six of his graduating class mates and himself.

It is certain that at the time of it's writing he, nor I, had any idea that it would be used as a geological report.

However since you request a geologicalreport and this is all I have, that in any manner could be construed as a report, I believe it has a definate place in my application.

I believe the maps in closed cover your other requirements under #22.

HOTEL GATEWAY
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Dma 1089

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Van Horn, Texas

My experience in handeling mexican mining laborors is that much better results can be obtained by furnishing supplies and contracting the actual work. I haven't been setting idly by waiting for this developement program. I have been doing the best I could "with the tools I had to work with." I have completed 52'of the drift and there is yet approximately 100' to be done to reach the objective.

I have contracted this at "$6.00 per foot, and me furnish everything. Therefore, the following labor estimates are on that basis.

To complete drift. (100' @$6.00 per ') Pluss material costs @ $4.00 Pr '	$1000.00
To complete 300' raise (Appx.)(@ $5.00 per ') Pluss material costs @ $4.00 Pr '	2700.00
Purchase of Air Compressor (150 CFM) Appx.	3500.00
Purchase one, R#38 Ingersoll-Rand Stopehammer	535.00
Purchase one, J-B4 Air Hammer, Ingersoll-Rand	325.00
Purchase 50' rubber hose @ .80¢ per '	40.00
Purchase 150' #12 lb mine car track @$1.00 per '	150.00
Purchase timber for man way in stope	250.00
Purchase Well Casing,220' Perforate and install	300.00
Purchase Pipe for pump line, cylender, and install	200.00
Purchase pump rods 200' @.50¢	100.00
Purchase Engine for pumping and install, and Jack.	200.00
Cost of cleaning well, foundations, incidentals	200.00
Cost of pipe and reservoir for water storage	330.00
Purchase pressure tank and water line	65.00
Supervision for four months by U. B. Melton @$200.00	800.00
Total Costs	$ 10,695.00

HOTEL GATEWAY
EL PASO, TEXAS

Lmw 1089

EL HIDALGO
LORDSBURG, N. M.

El Capitan Hotel
VAN HORN, TEXAS

JACK PRICE, MANAGER

U. B. Melton
Van Horn, Texas

Page # 24. Time Schedule.

Work to be done according to application

Drift,	100 '
Raise,	300 '
Total,	400 '

Four Months, four Weeks, each Month, 16 work weeks.
Five work days each week, 5 X 16, 80 Work Days.

---

80 work days, 400' of work, equal an average of 5' per day.

This would be an expected average considering the same men doing the rock work would also do the timbering of the man way in the raise.

HOTEL GATEWAY
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U. B. Melton

Van Horn, Texas

Page #1 (a)Lead-Silver-possibly a small amt. of Gold

(b) Possible some barite for oil well drilling mud.

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VAN HORN, TEXAS

U. B. Melton
Van Horn, Texas

Page #2 (present name) "Lena."

See blue print and assay map of old workings in top of mountain done in past seventy or eighty years by various parties. This is actual under-ground survey.

This work is all replacement in lime-stone, in the beddings and along fault zones.

No water in workings.

Total workings, old and done by me in past seven months 660'.

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VAN HORN, TEXAS

U. B. Melton
Van Horn, Texas

(a) Two Miles North West of Eagle Flat station on T & P Ry. Hudspeth County, Texas. 100 miles east of El Paso, Texas.

(b) Trans-Pecos, Texas.

(c) Section 2, Block 69, TSP 8. Hudspeth Co. Tex.

(d) Hudspeth County, Texas.

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U. B. Melton
Van Horn, Texas

Page #4

(a) Property is now in operation. I have been prospecting the property for the past four months and have spent over $5.000.00 during this time.

I am at present runing a prospect drift to cut the mineralized fault, and to run a raise under the old workings. Have driven this drift 52'. (see blue print of proposed work)

I am sole owner.

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U. B. Melton
Van Horn, Texas

Page #5.

There is some question as to whether or not this property was ever actualy in production. Some old timers say yes, some say no.

Using as a criterion the assays I would say no.

My reason. Only recently have lead prices been high enough for shipments from this property and the last work done was of no consequence, no shipments were made, and the ore "on the dump from the four winzes is all, of sufficient quality, to ship".

This "winze ore" is quite significant. It assays 8% Pb. and 1.8 Ag, approximately three times the average value of the composit values of the wall assays in the old workings, and shows definate improvement in depth.

I believe production can begin within four months.

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Van Horn, Texas

Page #6

I begann prospecting and mining in 1920. Made my first shipment of ore to the American Smelting & Refining plant at El Paso, Texas that year. Have been prospecting and mining ever since that time. (the old saying, once a prospector always a prospector, there is no cure)

Was engaged in general merchandising for several years at Allamore Texas. Cattle business at same place for a number of years. Done the origanal work and built first road to Eagle Mountain Fluorspar property in Eagle Mountains, Hudspeth Co. Shiped the first eight cars of ore from this property.

Went to California in 1941 for wifes health.

Worked for Consolidated Aircraft Co. at San Diego, Cal. during the war as a class A Chief Clerk. Prospected the old Mohawk property north of Allamore in 1946.

Been speculating in the stock market since then and have made a living and a little money besides.

Back now, to my first love, and need a little help.

HOTEL GATEWAY
EL PASO, TEXAS

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VAN HORN, TEXAS

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U. B. Melton
Van Horn, Texas

(a) All I know about this property is hear-say, except from the year 1920.

The original work was done along about the time of the construction of the T & P Ry., in 1881, by Uncle Tom Owen, a captain in the confederate Army, Nick and Augest, Two old German prospectors, that spent all their life in this country, and had names no one could pronounce, and a man by the name of Grant. They were all four in partnership. There is no record of how much work they done or any ore shipments. Then came a Mr. Clifford who was the superintendent of the Hazel Mine in Culbertson Co. during its time of most productivity. There was a man I believe by the name of Clark did some work in the 1920s and in 1945 a man by the name of Rossman did some work. I came along in September of 1950, inquired of the Land Commissioner, of the State of Texas if the property was open to filing and was advised by him that it was. Had the claims surveyed and the awards were granted. (see certified copys inclosed).

(b) Hazel Mine. Lots of High Grade shiped in 1880s and 1890s. Good ore shiped in 1930s. Sancha Panza and Black Shaft, Quite a bit of low grade copper of high silica content. Plata Verde. 250 cars of copper silver ore. Eagle Mountain Fluorspar Mine. Operated for about five years. Bonanza. Had a good record for Zinc, Lead, Silver and a little gold. Quite a number of small shipments from various prospects over the district.

(c) See letter from R. Evans and Assay Map.

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There are no Officers, Directors, or Partners. No one has no interest in this property other than myself.

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Van Horn, Texas

Page #9

There is no common or preferred stock.

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U. B. Melton
Van Horn, Texas

Page #10

So far as I know there has never been any production from this property.

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Page #11

There has been no monthly production.

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EL PASO, TEXAS

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U. B. Melton
Van Horn, Texas

Page # 12

(a) The workings (see actual survey map) was done in such manner by the old timers that it is impossible to make an estimate of any "ore tonnage".

Price changes could make ore of what is waste to-day.

The significant developement is the increase in values in the ore on the dump (taken from the winzes) and the assays taken from the walls in the old workings.(see assay map)

(b) The boys from The School of Mines in El Paso have estimated there is over eight thousand tons of "mineral bearing matter developed ", in old workings.

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LORDSBURG, N. M.

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VAN HORN, TEXAS

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U. B. Melton
Van Horn, Texas

Page #13

The distance (by auto speedometer) from drift addit to Eagle Flat Station is one and seven tenths miles.

The road is better than average country road.

If sufficient tonnage was developed to justify the instalation of private loading switch, the distance could be cut down to one mile.

This property is twenty one miles from my residence point.

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EL PASO, TEXAS

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U. B. Melton
Van Horn, Texas

Page 14

In August of 1950 I had Herb Verdell of Sierra Blanca, Texas drill a churn drill hole on Lena Claim #3.

First water was encountered at 144'. Second at 146'.

Actual bailer test from the 8' section for eight hours was just a fraction short of 5 gallons.

The water bearing formation (classified by Dr. Flawn of the Bureau of Economic Geology, University of Texas, as Pebel conglomerate) is 50% soluable in Hydrochloric acid. The 8'section (pyrite) underlying the pebel conglomerate is 75% soluable. This seems to justify acidation.

A log of the well (see well log map) is included in this application.

The cost of this well was $770.00 .

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EL PASO, TEXAS

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U. B. Melton
Van Horn, Texas

Page #15

There is a "High Power line" availabe for industrial use, three quarters of a mile (air line) south of this property.

HOTEL GATEWAY
EL PASO, TEXAS

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El Capitan Hotel
VAN HORN, TEXAS

JACK PRICE, MANAGER

U. B. Melton
Van Horn, Texas

Competent Labor, that understands rock work is extremely scarce. and I wonder where it is to be had to carry out an extensive mineral exploration program that you are iniating.

When I first came to Van Horn in 1914 75% of the population here was miners or prospectors, and practicaly all the Mexican population were derivatives of the old Hazel Mine miners.

To-day, there are just four of us prospectors left, and we are looked on with suspicion by the other residents of the comunity, and are considered to be "not quite all there mentaly" and some are of the opinion we shoud be commited to some sort of an institution for our own good.

There only two mexicans that understand rock work and they are working for me.

However, I have two grown sons and a son in law, that if I could be so furtunate as to develope a mine, I would be glad to give them in interest in the property, for the consideration of learning the business, giving up their present occupations, and doing the work. One is a chief carpenters Mate in the U.S. Navy(should make a timber man). one is in the Civil Engineering Dept of the S. P. Ry. and one is a metal smith and machinest (should make a good miner) a daughter in law is a registered nurse(first aid) All are married, have families and I can not expect them to quit their present occupations unless and until I have developed a mine.

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VAN HORN, TEXAS

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There are no buildings of any kind on the property.

All the equipment is two old wore out compressors that give more trouble than air, (both rented) and necessary materials such as pipe, rail, mine car, bits, dynamite, fuse , caps, air hammer, drill steel, and ect. neccessary to driving a prospect drift.

HOTEL GATEWAY
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VAN HORN, TEXAS

U. B. Melton
Van Horn, Texas

Page #18

This property is most fortunately situated. By air, just three quarters of a mile from the T & P Ry., and just 100 miles from the American, Smelting & Refining plant at El Paso.

The ore rate is $1.40 per ton from Eagle Flat to El Paso, Graduating from $7.50 in net values up, per ton.

The ore is in such a position that it can be drifted underneath. The elevation of the drift is 153' below the old workings. This eliminates expensive sinking, timbering, hoisting, and the possibilities of pumping. Shoud sufficient ore be developed to justify it a drift coud be run to the south side of the mountain and an aerial tramway constructed to carry the ore from the ore chutes "in the mine to the Ry." The difference in the elevation of the Ry. is sufficient that the full buckets going to the Ry would bring the emptys back to the mine.

If the ore will cave, mining and transportation costs will be extremely cheap.

Consequently, a low grade ore could very likely be mined at a profit.

Assay Map old workings Lead Claims

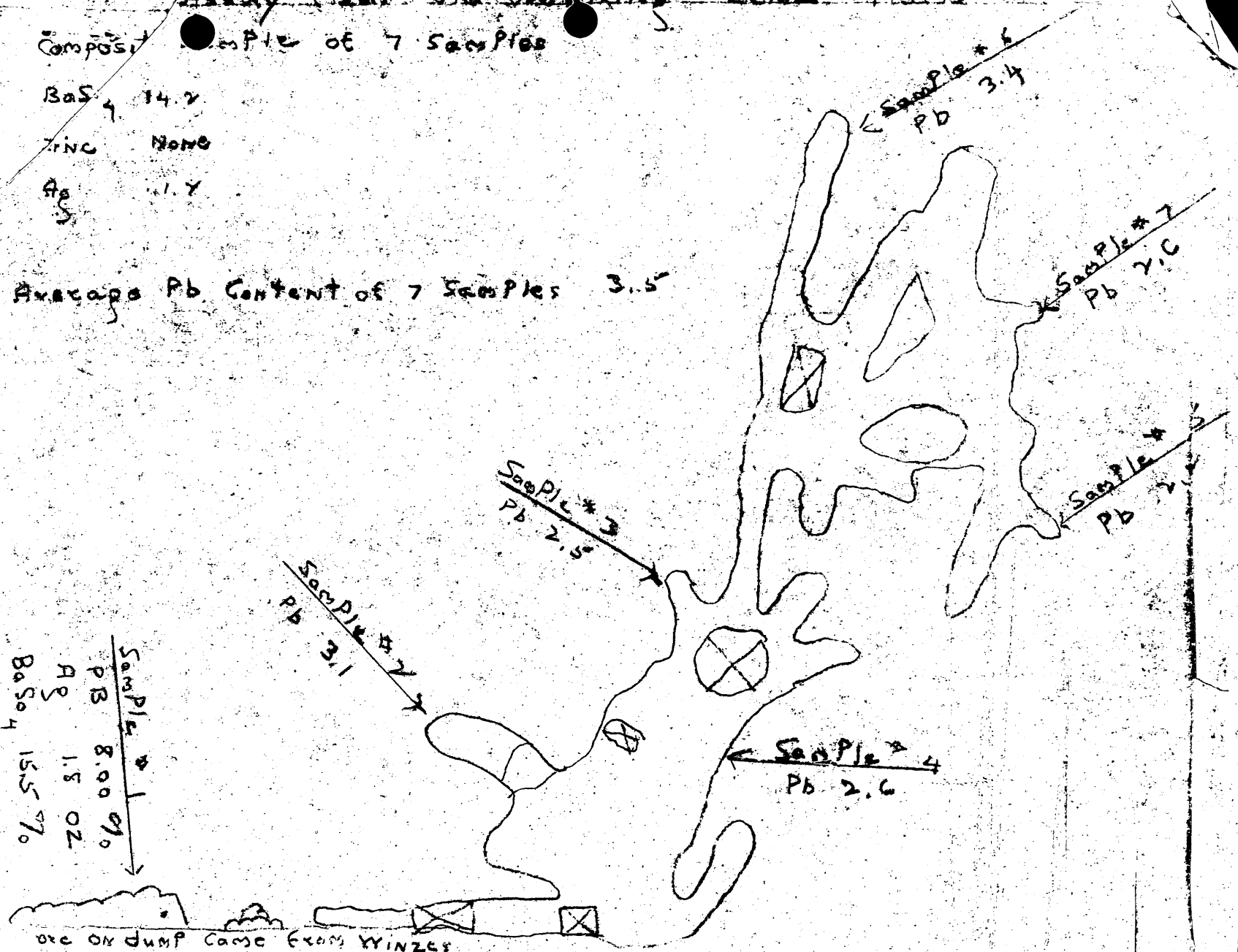
Composite Sample of 7 Samples

$BaSO_4$ 14.2

Zinc None

Ag .1.7

Average Pb Content of 7 Samples 3.5



Scale 1" = 20
See Blue Print

dmr 1089

1089

CERTIFIED COPY

MINERAL AWARD No. 35878

in

Surveyn2, Block 69, Tsp. 8, T & P Ry. Co. Survey.

containing 20.66 acres.

CERTIFIED COPY

29426. GENERAL LAND OFFICE

MINERAL AWARD NO. 35878.

Austin, Texas.

WHEREAS, on the 16th day of November 1950, U.B. Melton filed in this office in the manner and form prescribed by law, his application to purchase the minerals (except oil, gas, coal and lignite) in the following land, to-wit:

Survey 2, Block 69, Township 8, T & P Ry. Co. Survey, containing 20.66 acres in Hudspeth County, Texas.
the filed notes of which are recorded in the surveyor's records of said County in Book---Page --and read as follows:

BEGINNING at the SE end center of this survey, the Lena No. 2, Mining claim.

THENCE N. 32° 10' E 108 vrs to the East corner of this survey, from which the NE corner of Survey No. 2, Block No. 69, Tsp. No. 8, T & P Ry. Co. Surveys, bears East 165.6 vrs and North 912.1 vrs; the opening of a mine tunnel bears East 165.6 vrs and North 912.1 vrs; the opening of a mine tunnel bears East 391.2 vrs and South 373.6 vrs.

THENCE N. 57° 50' W. 540 vrs to the North corner of this survey.

THENCE S. 32° 10' W. 216 vrs to the west corner of this survey.

THENCE S. 57° 50' 540 vrs to the South corner of this survey.

THENCE N. 32° 10' E 108 vrs to the place of beginning.

WHEREAS, above section having been sold with the reservation of the minerals to the State, and the minerals therein, except oil, gas, coal and lignite, are subject to sale under said application;

NOW, THEREFORE, I, BASCOM GILES, COMMISSIONER OF THE GENERAL LAND OFFICE OF THE STATE OF TEXAS, do hereby award the minerals therein (except oil, gas, coal and lignite) to said U. B. Melton, Van Horn, Tex. in accordance with Articles 5388 to 5403, inclusive, REVISED STATUTES OF 1925, and SUBSEQUENT AMENDMENTS THERETO.

CHAPTER 29, SECTION 1, AMENDMENT ACT OF MARCH 7, 1935 PROVIDES FOR 6 1/4% ROYALTY TO THE STATE.

IN TESTIMONY WHEREOF, I hereunto set my hand and affic the impress of the seal of said office, this the 5th day of December, 1950.

BASCOM GILES
(LAND OFFICE SEAL) Commissioner of the General Land Office.

Filed for record-December 14th, A.D. 1950 at 1 o'clock P.M.

Recorded-December 15th, A.D. 1950 at 10:40 o'clock A.M.

Martha L. McLure,
County Clerk, Hudspeth County, Texas.
By: Lillie R. Tidwell, Deputy

THE STATE OF TEXAS)(
)(
COUNTY OF HUDSPETH)(I, Martha L. McLure, County Clerk in and for Hudspeth County, Texas, do hereby certify that the above and foregoing is a true and correct copy of MINERAL AWARD NO. 35878, from Bascom Giles, Commissioner of the General Land Office, to U.B. Melton, as appears of record in Volume 51, page 288 of Deed Records of Hudspeth County, Texas.

Given under my hand and seal of office, this the 17th day of April, A.D. 1951.

Martha L. McLure
County Clerk-Hudspeth County, Texas.

Dmd 1089

CERTIFIED COPY

MINERAL AWARD NO. 36465.

Lena No. 8, in Sec. 2, Blk. 69,

Tsp. 8, T & P Ry. Co. Survey.

17.48 acres.

29803. CERTIFIED COPY

GENERAL LAND OFFICE

MINERAL AWARD NO. 36465.

Austin, Texas.

WHEREAS, on the 9th day of February, 1951, U.B. Melton filed in this office in the manner and form prescribed by law, his application to purchase the minerals (except oil, gas, coal and lignite) in the following land, towit:

Lena No. 8 Mining Claim in Section 2, Block 69, Township 8, T & P Ry. Co. Survey, containing 17.48 acres in Hudspeth County, Texas, the field notes of which are recorded in the surveyor's records of said County in Book--- Page ---, and reads as follows:

BEGINNING at the East end center of this survey, the Lena No. 8 Mining Claim, from which the NE corner of Sur. No. 2, Blk. No. 69, Tsp. 8, T & P Ry. Co. Surveys, bears East 1371.3 vrs and North 634.9 vrs; mine tunnel adit bears East 1596.9 vrs and South 650.8 vrs.

THENCE North 108 vrs to the NE corner of this survey.

THENCE N 57° 50' W 540 vrs to the NW corner of this survey.

THENCE SOUTH 216 vrs to the SW corner of this survey.

THENCE S 57° 50' E 540 vrs to the SE corner of this survey.

THENCE North 108 vrs to the place of beginning.

WHEREAS, above section having been sold with the reservation of the minerals to the State, and the minerals therein, except oil, gas, coal and lignite, are subject to sale under said application:

NOW, THEREFORE, I, BASCOM GILES, COMMISSIONER OF THE GENERAL LAND OFFICE OF THE STATE OF TEXAS, do hereby award the minerals therein (except oil, gas, coal and lignite) to said U.B. Melton, Van Horn, Texas, in accordance with Articles 5388 to 5403, inclusive, REVISED STATUTES of 1925, and SUBSEQUENT AMENDMENTS THERETO.

CHAPTER 27, SECTION 1, AMENDMENT ACT OF MARCH 7, 1935 PROVIDES FOR 6 1/4% ROYALTY TO THE STATE.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix the impress of the seal of said office, this the 6th day of March, 1951.

Bascom Giles
Commissioner of the General Land Office

(LAND OFFICE SEAL)

Filed-March 19th A.D. 1951 at 9 o'clock A.M.

Recorded-March 21st, A.D. 1951 at 2:20 o'clock P.M.

Martha L. McLure, County Clerk
Hudspeth County, Texas.

By: Lillie R. Tidwell, Deputy

THE STATE OF TEXAS }
COUNTY OF HUDSPETH } I, Martha L. McLure, County Clerk in and for Hudspeth County, Texas, do hereby certify that the above and foregoing is a true and correct copy of MINERAL AWARD NO. 36465 from Commissioner of the General Land Office to U.B. Melton, as appears of record in Volume 51, page 529, Deed Records of Hudspeth County, Texas.

Given under my hand and seal of office, this the 17th day of April, A.D. 1951.

Martha L. McLure

County Clerk-Hudspeth County,
Texas.

Lma 1089

CERTIFIED COPY

MINERAL AWARD NO. 36460.

LENA NO. 3. Sec. 2, Blk. 69,

Tsp. 8, T & P Ry. Co. Survey

17.48 acres.

29804.

CERTIFIED COPY

GENERAL LAND OFFICE

MINERAL AWARD NO. 36460.

AUSTIN, TEXAS.

WHEREAS, on the 9th day of February 1951, U.B. Melton filed in this office in the manner and formprescribed by law, his application to purchase the minerals (except oil, gas, coal and lignite) in the following land, towit:

Lena No. 3 Mining Claim in Section 2, Block 69, Township 8, T & P Ry. Co. Survey, containing 17.48 acres in Hudspeth County, Texas, the field notes of which are recorded in the surveyor's records of said County in Book---- Page----, and read as follows:

BEGINNING at the West end center of this survey, the Lena No. 3 Mining Claim.

THENCE North 108 vrs to the NW corner of this Survey.

THENCE S 57° 50' E 540 vrs to the NE corner of this Survey.

THENCE SOUTH 216 vrs to the SE corner of this survey, from which the NE corner of Sur. No. 2, Blk. No. 69, Tsp. No. 8, T & P Ry. Co. surveys, bears East 457.1 vrs and North 1209.9 vrs; mine tunnel adit bears East 682.7 vrs and South 75.8 vrs.

THENCE N. 57° 50' W. 540 vrs to the SW corner of this survey;

THENCE North 108 vrs to the place of beginning.

WHEREAS, above section having been sold with the reservation of the minerals to the State, and the minerals therein, except oil, gas, coal and lignite, are subject to sale under said application:

NOW, THEREFORE, I, BASCOM GILES, COMMISSIONER OF THE GENERAL LAND OFFICE OF THE STATE OF TEXAS, do hereby award the minerals therein (except oil, gas, coal and lignite) to said U.B. Melton, Van Horn, Tex. in accordance with Articles 5388 to 5403, inclusive, REVISED STATUTES OF 1925, and SUBSEQUENT AMENDMENTS THERETO.

CHAPTER 29, SECTION 1, AMENDMENT ACT OF MARCH 7, 1935 PROVIDES FOR 6 1/4% ROYALTY TO THE STATE.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix the impress of the seal of said office, this the 6th day of March, 1951.

(LAND OFFICE SEAL)

Bascom Giles
Commissioner of the General Land Office.

Filed for record-March 19th, A.D. 1951 at 9 o'clock A.M.

Recorded-March 21st, A.D. 1951 at 2:30 o'clock P.M.

Martha L. McLure,
County Clerk, Hudspeth County,
Texas.

By: Lillie R. Tidwell, Deputy.

THE STATE OF TEXAS)(
)(
COUNTY OF HUDSPETH)(I, Martha L. McLure, County Clerk in and for Hudspeth County, Texas, do hereby certify that the above and foregoing is a true and correct copy of MINERAL AWARD NO. 36460 from Commissioner of the General Land Office to U.B. Melton, as appears of record in Volume 51, page 529-530, Deed Records of Hudspeth County, Texas.

Given under my hand and seal of office, this the 17th day of April, A.D. 1951.

Martha L. McLure.
County Clerk-Hudspeth County,
Texas.

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CERTIFIED COPY

MINERAL AWARD No. 36461.

Lena No. 4 Mining Claim

in Section 2, Block 69, Tsp. 8,

T & P Ry. Co. Survey containing

17.48 acres.

CERTIFIED COPY

29800.

GENERAL LAND OFFICE

MINERAL AWARD NO. 36461.

AUSTIN, TEXAS.

WHEREAS, on the 9th day of February, 1951, U.B. Melton filed in this office in the manner and form prescribed by law, his application to purchase the minerals (except oil, gas, coal and lignite) in the following land, to-wit:

Lena No. 4 Mining Claim in Section 2, Block 69, Township 8, T & P Ry. Co. Survey, containing 17.48 acres in Hudspeth County, Texas, the field notes of which are recorded in the surveyor's records of said County in Book+++ Page ---, and read as follows:

BEGINNING at the West end center of this Survey, the Lena No. 4 Mining claim.

THENCE North 108 vrs to the NW corner of this survey.

THENCE S 57° 50' E 540 vrs to the NE corner of this survey.

THENCE South 216 vrs to the SE corner of this sruvey.

THENCE N 57° 50' W 540 vrs to the SW corner of this survey, from which the NE corner of Sur. No. 2, Blk. No. 69, Tsp. No. 8, T & P Ry. Co. surveys, bears East 457.1 vrs and North 1209.9 vrs; mine tunnel adit bears East 682.7 vrs and South 75.8 vrs.

THENCE North 108 vrs to the place of beginning.

WHEREAS, above section having been sold with the reservation of the minerals to the State, and the minerals therein, except oil, gas, coal and lignite, are subject to sale under said application:

NOW, THEREFORE, I, BASCOM GILES, COMMISSIONER OF THE GENERAL LAND OFFICE OF THE STATE OF TEXAS, do hereby award the minerals therein (except oil, gas, coal and lignite) to said U.B. Melton, Van Horn, Tex. in accordance with Articles 5388 to 5403, inclusive, REVISED STATUTES OF 1925, and SUBSEQUENT AMENDMENTS THERETO.

CHAPTER 29, SECTION 1, AMENDMENT ACT OF MARCH 7, 1935 PROVIDES FOR 6 1/4% ROYALTY TO THE STATE.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix the impress of the seal of said office, this the 6th day of March, 1951.

Bascom Giles

Commissioner of the General Land Office.

(LAND OFFICE SEAL)

Filed for record-March 19th, A.D. 1951 at 9 o'clock A.M.

Recorded-March 21st, A.D. 1951 at 11:30 o'clock A.M.

Martha L. McLure, County Clerk
Hudspeth County, Texas.

By: Lillie R. Tidwell, Deputy.

THE STATE OF TEXAS)
)
COUNTY OF HUDSPETH) I, Martha L. McLure, County Clerk in and for Hudspeth County, Texas, do hereby certify that the above and foregoing is a true and correct copy of MINERAL AWARD NO. 36461, from Bascom Giles, Commissioner of the General Land office, to U.B. Melton, as appears of record in Volume 51, pages 526-527 of Deed Records of Hudspeth County, Texas.

Given under my hand and seal of office, this the 17th day of April, A.D. 1951.

Martha L McLure.
County Clerk-Hudspeth County,
Texas.

Doc 1089

CERTIFIED COPY

MINERAL AWARD NO. 36462.

Lena No. 5, in Sec. 2, Blk. 69,

Tsp. 8, T & P Ry. Co. Survey.

17.48 acres.

29801.

CERTIFIED COPY

GENERAL LAND OFFICE.

MINERAL AWARD NO. 36462.

Austin, Texas.

WHEREAS, on the 9th day of February, 1949, U.B. Melton filed in this office in the manner and form prescribed by law, his application to purchase the minerals (except oil, gas, coal and lignite) in the following land, to-wit:

Lena No. 5 Mining Claim in Section 2, Block 69, Township 8, T & P Ry. Co. Survey, containing 17.48 acres in Hudspeth County, Texas, the field notes of which are recorded in the surveyor's records of said County in Book--- Page----, and read as follows:

BEGINNING at the West end center of this survey, the Lena Mining Claim No. 5.

THENCE North 108 vrs to the NW corner of this survey.

~~THENCE NORTH 108 vrs to the NW corner of this survey~~.

THENCE S 57° 50' E 540 vrs to the NE corner of this survey, from which the NE corner of Sur. No. 2, Blk. No. 69, Tsp. No. 8, T & P Ry. Co. Surveys, bears North 800.2 vrs; adit of mine tunnel bears East 225.6 vrs and South 485.5 vrs.

THENCE South 216 vrs to the SE corner of this survey.

THENCE N. 57° 50' W 540 vrs to the SW corner of this survey.

THENCE North 108 vrs to the place of beginning.

WHEREAS, above section having been sold with the reservation of the minerals to the State, and the minerals therein, except oil, gas, coal and lignite, are subject to sale under said application:

NOW, THEREFORE, I, BASCOM GILES, COMMISSIONER OF THE GENERAL LAND OFFICE OF THE STATE OF TEXAS, do hereby award the minerals therein (except oil, gas, coal and lignite) to said U.B. Melton, Van Horn, Tex. in accordance with Articles 5388 to 5403, inclusive, REVISED STATUTES of 1925, and SUBSEQUENT AMENDMENTS THERETO.

CHAPTER 29, SECTION 1, AMENDMENT ACT OF MARCH 7, 1935 PROVIDES for 6 1/4 ROYALTY TO THE STATE.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix the impress of the seal of said office, this the 6th day of March, 1951.

BASCOM GILES
Commissioner of the General Land Office.

(LAND OFFICE SEAL)

Filed for record-March 19th, A.D. 1951 at 9 o'clock A.M.

Recorded-March 21st, A.D. 1951 at 11:40 o'clock A.M.

Martha L. McLure, County Clerk
Hudspeth County, Texas.

By: Lillie R. Tidwell, Deputy.

THE STATE OF TEXAS)
)
COUNTY OF HUDSPETH) I, Martha L. McLure, County Clerk in and for Hudspeth County, Texas, do hereby certify that the above and foregoing is a true and correct copy of MINERAL AWARD No. 36462 from Bascom Giles, Commissioner of the General Land Office, to U.B. Melton, as appears of record in Volume 51, pages 527-528 of Deed Records of Hudspeth County, Texas.

Given under my hand and seal of office, this the 17th day of April, A.D. 1951.

Martha L. McLure.

County Clerk-Hudspeth County,
Texas.

Deed 1089

CERTIFIED COPY

MINERAL AWARD NO. 36463.

Lena Mining Claim No. 6 in

Section 2, Block 69, Tsp. 8,

T & P Ry. Co. Survey

20.66 acres.

CERTIFIED COPY

29802. GENERAL LAND OFFICE

MINERAL AWARD NO. 36463.

AUSTIN, TEXAS

WHEREAS, on the 9th day of February, 1951, U.B. Melton filed in this office in the manner and form prescribed by law, his application to purchase the minerals (except oil, gas, coal and lignite) in the following land, towit:

Lena Mining Claim No. 6, in Section 2, Block 69, Township 8, T & P Ry. Co. Survey, containing 20.66 acres in Hudspeth County, Texas, the field notes of which are recorded in the surveyor's records of said County in Book---- Page ----, and read as follows:

BEGINNING at the Southeast end center of this survey, the Lena No. 6 Mining Claim.

THENCE N. 32° 10' E 108 vrs to the East corner of this survey.

THENCE N 57° 50' W 540 vrs to the North corner of this survey, from which the NE corner of Sur. No. 2, Blk. No. 69, Tsp. No. 8, T & P Ry. Co. surveys bears East 1079.8 vrs. and North 337.1 vrs; mine tunnel adit bears East 1305.4 vrs and South 948.6 vrs.

THENCE S. 32° 10' W. 216 vrs to the West corner of this survey.

THENCE S. 57° 50' E 540 vrs to the South corner of this survey.

THENCE N 32° 10' E 108 vrs to the place of beginning.

WHEREAS, above section having been sold with the reservation of the minerals to the State, and the minerals therein except oil, gas, coal and lignite, are subject to sale under said application.

NOW, THEREFORE, I, BASCOM GILES, COMMISSIONER OF THE GENERAL LAND OFFICE OF THE STATE OF TEXAS, do hereby award the minerals therein (except oil, gas, coal and lignite) to said U.B. Melton, Van Horn, Tex. in accordance with Articles 5388 to 5403, inclusive, REVISED STATUTES OF 1925, and SUBSEQUENT AMENDMENTS THERETO.

CHAPTER 29, SECTION 1, AMENDMENT ACT OF MARCH 7, 1935, PROVIDES FOR 6 1/4% ROYALTY TO THE STATE.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix the impress of the seal of said office, this the 6th day of March, 1951.

Bascom Giles

Commissioner of the General Land Office.

(land office seal)

Filed for record-March 19th, A.D' 1951 at 9 o'clock A.M.

Recorded-March 21st, A.D' 1951 at 11:55 o'clock A.M.

Martha L. McLure, County Clerk
Hudspeth County, Texas.
By: Lillie R. Tidwell, Deputy

THE STATE OF TEXAS)
)
COUNTY OF HUDSPETH) I, Martha L. McLure County Clerk in and for Hudspeth County, Texas, do hereby certify that the above and foregoing is a true and correct copy of MINERAL AWARD NO. 36463, from Bascom Giles, Commissioner of the General Land Office to U.B. Melton, as appears of record in Volume 50, page 528 of the Deed Records of Hudspeth County, Texas.

Given under my hand and seal of office, this the 17th day of April, A.D. 1951.

Martha L. McLure.

County Clerk-Hudspeth County,

Texas.

dma 1089

CERTIFIED COPY

MINERAL AWARD NO. 35879.

in

Section 2, Block 69, Tsp. 9,

T & P Ry. Co. Survey,

containing 10.08 acres.

29425. CERTIFIED COPY

GENERAL LAND OFFICE

MINERAL AWARD NO. 35879.

Austin, Texas.

WHEREAS, on the 16th day of November 1950, U.B. Melton filed in this office in the manner and form prescribed by law, his application to purchase the minerals (except oil, gas, coal and lignite) in the following land, to-wit:

Section 2, Block 69, Township 8, T & P Ry. Co. Survey, containing 10.08 acres in Hudspeth County, Texas.
the field notes of which are recorded in the surveyor's records of said County in Book--- Page ----, and read as follows:

BEGINNING at the NW end center of this survey, the Lena No. 1, Mining Claim.

THENCE N. 32° 10' E 108 vrs to the North corner of this survey, from which the NE corner of Sur, No. 2, Blk. No. 69, Tsp. No. 8, T & P Ry. Co. surveys, bears East 165.6 vrs and North 912.1 vrs.; the opening of a mine tunnel bears East 391.2 vrs and South 373.6 vrs.

THENCE S. 57° 50' E 195.6 vrs to the East corner of this Survey;

THENCE South 255.2 vrs. to the South corner of this survey;

THENCE N. 57° 50' W 331.4 vrs to the West corner of this survey;

THENCE N. 32° 10' E 108 vrs to the place of beginning.

WHEREAS, above section having been sold with the reservation of the minerals to the State, and the minerals therein except oil, gas, coal and lignite, are subject to sale under said application:

NOW, THEREFORE, I, BASCOM GILES, Commissioner of the General Land Office of the State of Texas, do hereby award the minerals therein (except oil, gas, coal and lignite) to said U.B. Melton, Van Horn, Tex., in accordance with Articles 5388 to 5403, inclusive, REVISED STATUTES of 1925, and SUBSEQUENT AMENDMENTS THERETO.

CHAPTER 29, SECTION 1, AMENDMENT ACT OF MARCH 7, 1935 PROVIDES for 6 1/4% Royalty to the STATE.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix the impress of the seal of said office, this the 5th day of December, 1950.

Bascom Giles
COMMISSIONER OF THE GENERAL LAND
OFFICE.

(LAND OFFICE SEAL)

Filed for record-December 14th, A.D. 1950 at 1 o'clock P.M.

Recorded-December 15th, A.D. 1950 at 9 o'clock A.M.

Martha L. McLure, County Clerk
Hudspeth County, Texas.

By: Lillie R. Tidwell, Deputy.

THE STATE OF TEXAS }
}
COUNTY OF HUDSPETH } I, Martha L. McLure, County Clerk in and for Hudspeth County, Texas, do hereby certify that the above and foregoing is a true and correct copy of MINERAL AWARD No. 35879 from Commissioner of the General Land Office to U.B. Melton, as appears of record in Volume 51, pages 287-288, Deed Records of Hudspeth County, Texas.

Given under my hand and seal of office, this the 17th day of April, A.D. 1951.

Martha L. McLure
County Clerk-Hudspeth County, Texas.

Doc 1089

CERTIFIED COPY

MINERAL AWARD NO. 36464

LENA NO. 7, Sec. 2, Blk 69,

Tsp. 8, T & P Ry. Co. Surveys.

17.48 acres.

29805.

CERTIFIED COPY
GENERAL LAND OFFICE.
MINERAL AWARD NO. 36464.

AUSTIN, TEXAS.

WHEREAS, on the 9th day of February 1951, U.B. Melton filed in this office in the manner and form prescribed by law, his application to purchase the minerals (except oil, gas, coal and lignite) in the following land, to-wit:

LENA No. 7 Mining Claim in Section 2, Block 69, Township 8, T & P Ry. Co. Survey, containing 17.48 acres in Hudspeth County, Texas, the field notes of which are recorded in the surveyor's records of said County in Book---- Page-----, and read as follows:

BEGINNING at the East end center of this survey, the Lena No. 7 Mining Claim.

THENCE North 108 vrs to the NE corner of this survey.

THENCE N 56° 50' W 540 vrs to the NW corner of this survey.

THENCE South 216 vrs to the SW corner of this survey, from which the NE corner of Sur. No. 2, Blk. No. 69, Tsp. No. 8, T & P Ry. Co. Surveys, bears East 1371.3 vrs and North 634.9 vrs; mine tunnel adit bears East 1596.9 vrs and South 650.8 vrs.

THENCE S 57° 50' E 540 vrs to the SE corner of this survey.

THENCE North 108 vrs to the place of beginning.

WHEREAS, above section having been sold with the reservation of the minerals to the State, and the minerals therein, except oil, gas, coal and lignite, are subject to sale under said application.

NOW, THEREFORE, I, BASCOM GILES, COMMISSIONER OF THE GENERAL LAND OFFICE OF THE STATE OF TEXAS, do hereby award the minerals therein (except oil, gas, coal and lignite) to said U.B. Melton, Van Horn, Tex. in accordance with Articles 5388 to 5403, inclusive, REVISED STATUTES of 1925, and SUBSEQUENT AMENDMENTS THERETO.

CHAPTER 29, SECTION 1, AMENDMENT ACT OF MARCH 7, 1935 PROVIDES FOR 6 1/4% ROYALTY TO THE STATE.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix the impress of the seal of said office, this the 6th day of March, 1951.

Bascom Giles
Commissioner of the General Land Office.

(LAND OFFICE SEAL)

Filed-March 19th, A.D' 1951 at 9 o'clock A.M.

Recorded-March 21st, A.D. 1951 at 4 o'clock P.M.

Martha L. McLure, County Clerk
Hudspeth County, Texas.

By: Lillie R. Tidwell,
Deputy

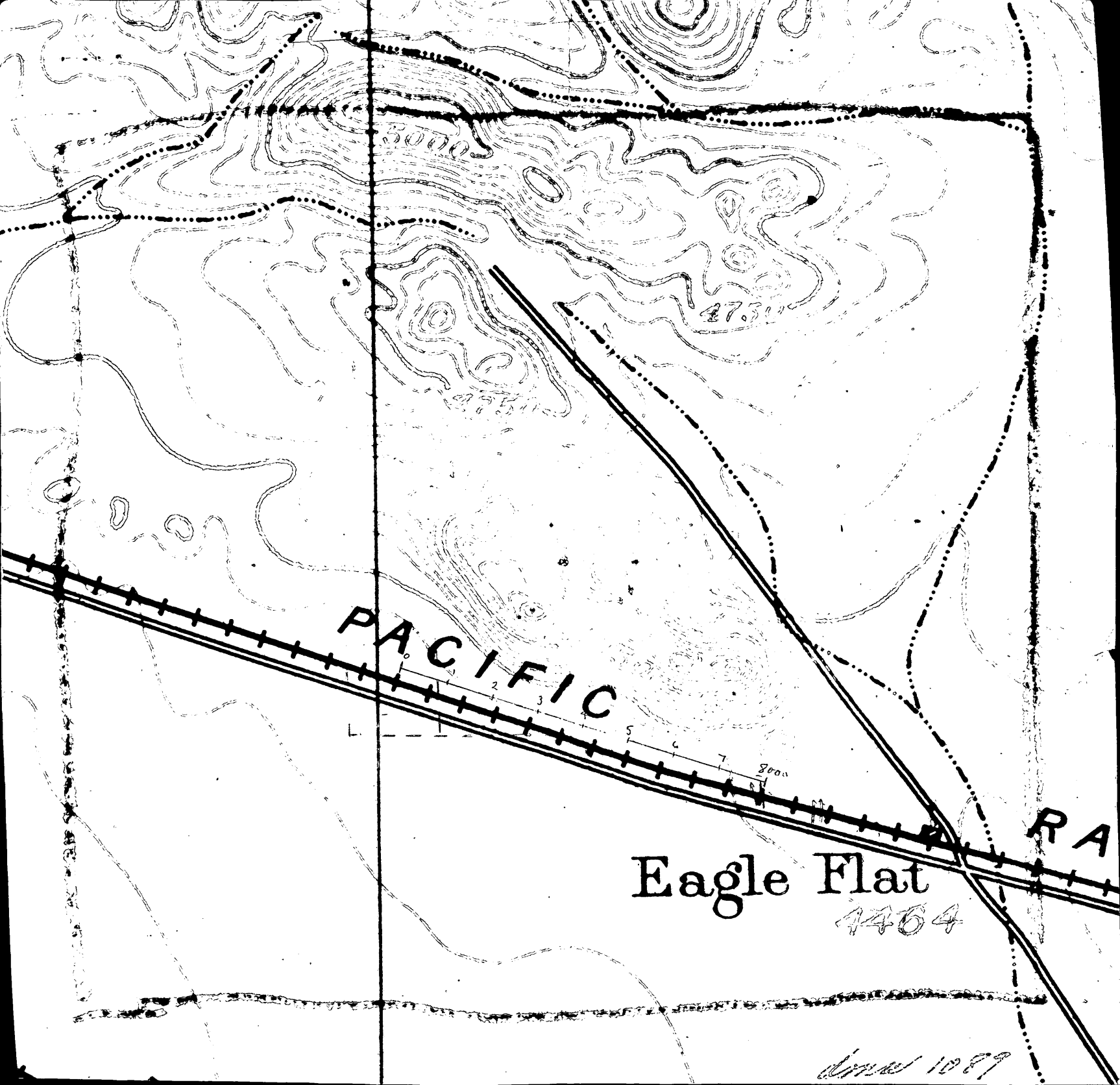
THE STATE OF TEXAS)
)
COUNTY OF HUDSPETH) I, Martha L. McLure, County Clerk in and for Hudspeth County, Texas, do hereby certify that the above and foregoing is a true and correct copy of MINERAL AWARD NO. 36464 from Commissioner of the General Land Office to U.B. Melton, as appears of record in Volume 51, pages 530-531 of the Deed Records of Hudspeth County, Texas.

Given under my hand and seal of office, this the 17th day of April, A.D. 1951.

Martha L. McLure.
County Clerk-Hudspeth County,
Texas.

This is an inlarged (4 times) section of U. S. G. S. contour map of Eagle Flat Mountain.

EL HIDALGO
LORDSBURG, N. M.


5000
4750
PACIFIC
0
1
2
3
4
5
6
7
8000
RA
Eagle Flat
4464
Line 1089

HOTEL GATEWAY
EL PASO, TEXAS

EL HIDALGO
LORDSBURG, N. M.

El Capitan Hotel

JACK PRICE, MANAGER

VAN HORN, TEXAS

4/12/'51

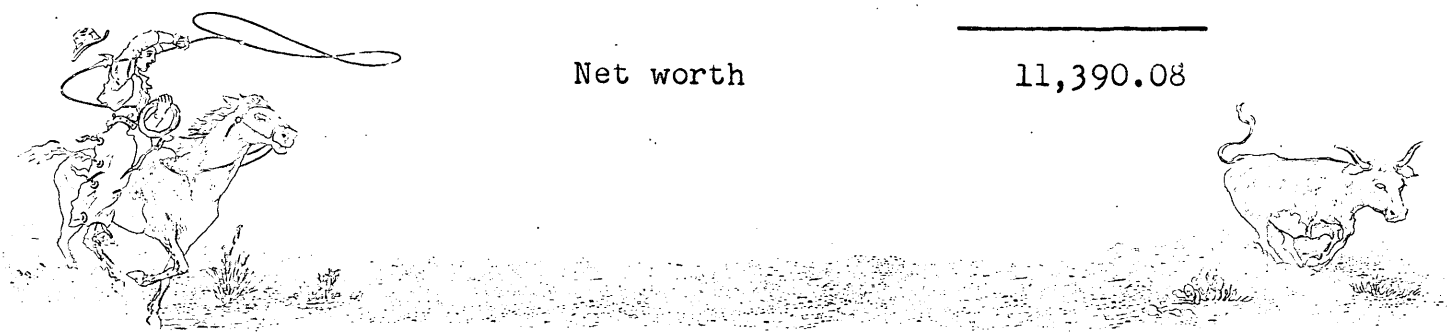
Financial Statement of U. B. Melton
as of the above date.

Assets.

Credit Balance with E. F. Hutton & Co. (statement inclosed)	$7865.82
Cash in the Van Horn State Bank (Statement inclosed)	525.26
Section 1, Bk 69, Tsp 8, Hudspeth Co. Tex. (Actual purchase price paid 6 months Past)	2,000.00
One 1937 Chevrolet two door sedan. (good only for prospecting. Takes me there and brings me back)	100.00
Mining equipment, pipe, rail, mine car, bits, drill steel, dynamite, ect.	1000.00
	11,590.08

Liabilities

Nothing but current bills in Van Horn, Texas. Less than $200.00	6	200.00
Net worth		11,390.08



Save for Income Tax Purposes

LOS ANGELES 14
623 S. Spring St.
MAdison 6-2646

IN ACCOUNT WITH

E. F. HUTTON & COMPANY

MEMBERS NEW YORK STOCK EXCHANGE

Home Office - 61 Broadway, New York City 6

SAN FRANCISCO 4
160 Montgomery St.
DOuglas 3212

A financial statement of this firm is available for your personal inspection at its offices, or a copy of it will be mailed upon your written request.

DUPLICATE STATEMENT

U B & MRS L MELTON 3/31 1951 1818 A 74

CUST. NO.	ACTUAL DATE MO.	DAY	BOT OR REC.	SOLD OR DEL.	DESCRIPTION	PRICE	COMMISSION OR REC. OR DEL. #	REG. FEE AND/OR INT. AND/OR TAX	SHIPPING CHARGE	DEBIT	CREDIT	SETTLEMENT DATE	BALANCE
					BAL FEBRUARY 28 1951						2468 12		
	3	13			TFR MISC ACCT					1515 00		13	953 12 CR

ERRORS AND OMISSIONS EXCEPTED. PLEASE EXAMINE IMMEDIATELY. IF NO REPORT TO THE CONTRARY IS MADE TO THE COMPANY WITHIN 10 DAYS THIS ACCOUNT WILL BE CONSIDERED CORRECT.

NOTICE TO CUSTOMERS: ALL TRANSACTIONS ARE SUBJECT TO THE PROVISIONS OF EXISTING AGREEMENTS, AND THE RULES AND CUSTOMS OF THE EXCHANGES WHEREON TRANSACTIONS ARE EXECUTED, AND ALL APPLICABLE LAWS AND GOVERNMENTAL REGULATIONS. ACTUAL DELIVERY OF ALL SECURITIES IS CONTEMPLATED AND PROMPT CONSUMMATION OF ALL TRANSACTIONS IS REQUIRED.

PURSUANT TO THE REQUIREMENTS OF THE INTERNAL REVENUE ACT, NOTICES OF DIVIDENDS AND BOND COUPON CREDITS ARE SENT TO THE COLLECTOR OF INTERNAL REVENUE.

Save for Income Tax Purposes

LOS ANGELES 14
623 S. Spring St.
MAdison 6-2646

IN ACCOUNT WITH

E. F. HUTTON & COMPANY

MEMBERS NEW YORK STOCK EXCHANGE

Home Office - 61 Broadway, New York City 6

SAN FRANCISCO 4
160 Montgomery St.
DOuglas 3212

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U B & MRS L MELTON

3/31 1951

1818 B 74

CUST. NO.	ACTUAL DATE MO.	DAY	BOT OR REC.	SOLD OR DEL.	DESCRIPTION	PRICE	COMMISSION OR REC. OR DEL. #	REG. FEE AND/OR INT. AND/OR TAX	SHIPPING CHARGE	DEBIT	CREDIT	SETTLEMENT DATE	BALANCE
					BAL FEBRUARY 28 1951						3772 99		
	3	10			DRAFT ST NTL EL PAS					500 00		10	
	3	13			TFR STOCK ACCT						1515 00	13	
	3	22			DRAFT ST NTL EL PAS					500 00		22	
													4287 99 CR

ERRORS AND OMISSIONS EXCEPTED. PLEASE EXAMINE IMMEDIATELY. IF NO REPORT TO THE CONTRARY IS MADE TO THE COMPANY WITHIN 10 DAYS THIS ACCOUNT WILL BE CONSIDERED CORRECT.

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PURSUANT TO THE REQUIREMENTS OF THE INTERNAL REVENUE ACT, NOTICES OF DIVIDENDS AND BOND COUPON CREDITS ARE SENT TO THE COLLECTOR OF INTERNAL REVENUE.

F190760

Save for Income Tax Purposes

LOS ANGELES 14
623 S. Spring St.
MAdison 6-2646

IN ACCOUNT WITH

E. F. HUTTON & COMPANY

MEMBERS NEW YORK STOCK EXCHANGE

Home Office - 61 Broadway, New York City 6

SAN FRANCISCO 4
160 Montgomery St.
DOuglas 3212

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DUPLICATE STATEMENT

U B & MRS L MELTON 3/31 1951 1818 G 74

CUST. NO.	ACTUAL DATE MO.	DAY	BOT OR REC.	SOLD OR DEL.	DESCRIPTION	PRICE	COMMISSION OR REC. OR DEL. #	REG. FEE AND/OR INT. AND/OR TAX	SHIPPING CHARGE	DEBIT	CREDIT	SETTLEMENT DATE	BALANCE
					BAL FEBRUARY 28 1951						4644 71		
	3	13	100		BALT AND OHIO RR	20	20 00			2020 00		16	2624 71 CR
				200	MO KANSAS & TEXAS								

ERRORS AND OMISSIONS EXCEPTED. PLEASE EXAMINE IMMEDIATELY. IF NO REPORT TO THE CONTRARY IS MADE TO THE COMPANY WITHIN 10 DAYS THIS ACCOUNT WILL BE CONSIDERED CORRECT.

NOTICE TO CUSTOMERS: ALL TRANSACTIONS ARE SUBJECT TO THE PROVISIONS OF EXISTING AGREEMENTS, AND THE RULES AND CUSTOMS OF THE EXCHANGES WHEREON TRANSACTIONS ARE EXECUTED, AND ALL APPLICABLE LAWS AND GOVERNMENTAL REGULATIONS. ACTUAL DELIVERY OF ALL SECURITIES IS CONTEMPLATED AND PROMPT CONSUMMATION OF ALL TRANSACTIONS IS REQUIRED.

PURSUANT TO THE REQUIREMENTS OF THE INTERNAL REVENUE ACT, NOTICES OF DIVIDENDS AND BOND COUPON CREDITS ARE SENT TO THE COLLECTOR OF INTERNAL REVENUE.

THE CUSTOM ASSAY OFFICE

CRITCHETT & FERGUSON

El Paso, Texas

NAME U. B. Melton Mar 21, 1951

LOT	GOLD OZS. PER TON	SILVER OZS. PER TON	WETLEAD PER CENT	COPPER PER CENT	ZINC PER CENT	INSOL. PER CENT	IRON PER CENT	LIME PER CENT	PER CENT
#1			8.0						
2			3.1						
3			2.5						
4			2.6						
5			2.2						
6			3.4						
7			2.6						
Composite on #1 to 7 Incl				$BaSO_4$	14.2				
" " " " " "				Zinc	none				
" " " " " "				Silver	1.20				

CUSTOM ASSAY OFFICE

Chemist and Assayer

A. J. Rowland
Manager

Thomas Williams Jr.

Since 1898

The Custom Assay Office

P. O. Box 811
EL PASO, TEXAS
Laboratory at 105 S. Santa Fe St.
Phone 2-2212

Mar 22, 1951 195

U. B. Melton

#1x#8 Car load on dump

CRICHET—EL PASO

	SAMPLE NO.	SAMPLE NO.	SAMPLE NO.	SAMPLE NO.
Gold Oz. per ton	none			
Silver	1.80			
Lead Percent				
Copper				
Zinc				
Iron				
Antimony				
Arsenic				
Bismuth				
Cadmium				
Chromium				
Cobalt				
Insoluble				
Lime				
Magnesium				
Mercury				
Molybdemun				
Nickel				
Phosphrous				
Silica				
Sulphur				
Tungsten				
Uranium				
$BaSO_4$	15.5			

CHARGES $ 4.00

CUSTOM ASSAY OFFICE

Invoice 1089

A. J. Rowland
Manager

Thomas Williams Jr.

Since 1898

The Custom Assay Office

P. O. Box 811
EL PASO, TEXAS

Laboratory at 105 S. Santa Fe St.

Phone 2-2212

April 3, 1951 195

U. B. Melton

CRICHET—EL PASO

	#8	#9		
	SAMPLE NO.	SAMPLE NO.	SAMPLE NO.	SAMPLE NO.
Gold Oz. per ton				
Silver		.07		
Lead Percent	5.2	7.1		
Copper				
Zinc				
Iron				
Antimony				
Arsenic				
Bismuth				
Cadmium				
Chromium				
Cobalt				
Insoluble				
Lime				
Magnesium				
Mercury				
Molybdemun				
Nickel				
Phosphrous				
Silica				
Sulphur				
Tungsten				
Uranium				

ore pile at new Lead hole

Mine sample from 30' level new drift

CHARGES $ 3.75

CUSTOM ASSAY OFFICE

A. J. R.

A. J. Rowland
Manager

Thomas W[illegible]iams Jr.

Since 1898

The Custom Assay Office

P. O. Box 811
EL PASO, TEXAS

Laboratory at 105 S. Santa Fe St.

Phone 2-2212

Feb 27, 1951 195

U. B. Melton

CRICHET—EL PASO

	#2	#3	#4	
	SAMPLE NO.	SAMPLE NO.	SAMPLE NO.	SAMPLE NO.
Gold Oz. per ton				
Silver	none	none	0.4	
Lead Percent			15.0	
Copper				
Zinc				
Iron				
Antimony				
Arsenic				
Bismuth				
Cadmium				
Chromium				
Cobalt				
Insoluble				
Lime				
Magnesium				
Mercury				
Molybdemun				
Nickel				
Phosphrous				
Silica				
Sulphur				
Tungsten				
Uranium				

Bismuth present
Zinc present
Lead present @ 1.5 percent

CHARGES $ 4.75

CUSTOM ASSAY OFFICE

J. R.

Letter from Bob Evans

This boy graduates this year from School of Mines as a mining geologist. All other geologists, that I have a knowledge of visiting this property, are in agreement with him.

C. L. Thornburg, With U.S.Smelting in Mexico for 25 years, A. L. Wilson with American Smelting & Refining Co. C. W. Flawn, Bureau of Economic Geology, University of Texas and others.

dma 1089

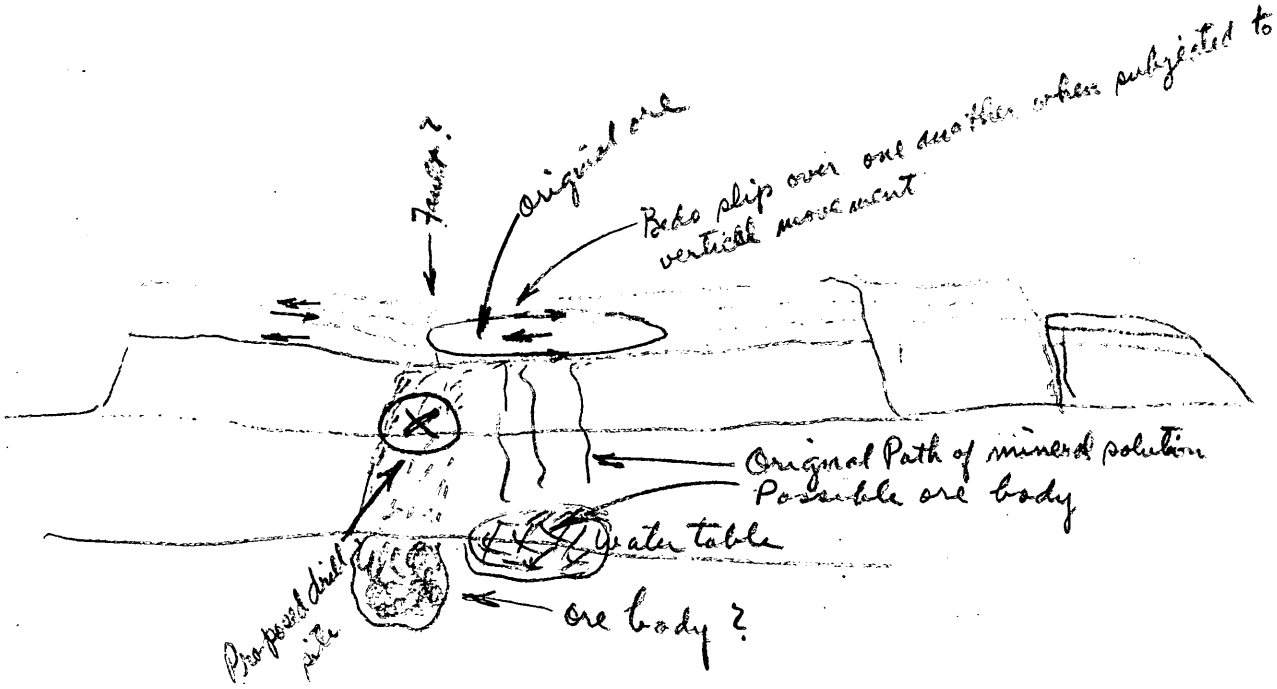
October 25, 1950

Dear Mr. Melton,

I received your letter and card this morning and have been talking to the boys and trying to come to a conclusion. First of all, I believe I can explain the malachite you found in the sample. The primary (original) ore undoubtedly carried both zinc, copper, iron, perhaps lead and some others. Malachite like azurite is a secondary product due to weathering. The gossen still carries small amounts of the metals that have not been thoroughly leached out. This does serve as a good indicater in what lies below. It will probably be Zn, Cu, CO_3. This can be either separate, a combined product, or a combination of the two. The combination mineral is Aurichalcite; the separate minerals are azurite, malachite, hydrozincite, and smithsonite. You shall be able to recognize three or four of the minerals in the cuttings. I'm hoping that they come up for you.

Enough of this for now and to the immediate subject at hand. Two of us say to drill in the place first decided upon. The others have good ideas, but time and the money involved make then rather impractical now. One idea is to run a plane table around the area and make a Geologic map of the mountain. I have several reasons for rejecting this plan at this time. Firstly it would take 10 days to two weeks to do it properly. Secondly it would then have to have additional information from drill tests to supplement it. Thirdly in any secondary deposit there is an unknown factor that cant be figured. The mineral solution follows the path of least resistance and that cant be determined until the ore body is found. Another idea was to strip off the mountain down the side of the hill where the hydrozincite was found. This in itself is alright, but it probably wouldn't lead to the ore body. When it boils right down to it, there isn't much to go on. Now my reasons for drilling in the first location. The hill is slumped toward it throwing the bedding planes at an angle toward it. Any movement along the bedding planes would tend to cause the bedding planes to slip and open up along these planes. These planes could be channel ways for the solutions. There is what I believe to be a fault right to the east of this location. This fault if made before the leaching would be a barrier for any further movement of the solutions. I will try to draw a picture of what I'm trying to say. As for drilling at the west end of the mountain I'm not sure of it. There is a slumping there also, but whether it would be mineralized or not I'm not certain. There is a possibility that it could be a trap, or even carry the original mineral, if the slumping took place before leaching and after mineralization. However as I said before, there isn't much to go on except by drilling and trying to find the body. Geologists are really only prospectors at heart with a lot of doubtful information at hand. One of the best things

to have is practical experience, which I have very little of. This sort of deposit we are looking for is one of the hardest to locate because of so many uncertain quantities. All of us say that it is one of the most interesting things we have seen around here and one of the most difficult to decipher. We are all pulling for you to hit it right smack dead center. Unfortunately our education we are receiving here can only take us so far. Really our opinion is but very little better than yours. I am just hoping that you in your prospecting wont make liars out of what people have told us here at school. I guess this will about take care of the answer you wanted, so drill away.



I have just finished reading the article referred to in your card I got this morning. It does seem similar in many respects to our situation. Our most heavily mineralized area wason the east end as far as we're able to determine. This still seems to be our most logical place for the same reasons above. You do what you think best about drilling the west end first. It certainly wouldn't hurt to have the information from the drill hole there anyway. I shall close for now and get it mailed to you. I'll see you Sat. or Sun. week.

Bob

R. T. Evans (Bob)

U. B. MELTON

CITY

IN ACCOUNT WITH

VAN HORN STATE BANK

VAN HORN, TEXAS

STATEMENT OF YOUR ACCOUNT TO CLOSE OF BUSINESS

DATE	CHECKS IN DETAIL		DATE	DEPOSITS	DATE	NEW BALANCE
					MAR 30'51	705.15
APR 2'51	38.50 –	45.75 –			APR 2'51	620.90*
APR 6'51	28.84 –				APR 6'51	592.06*
APR 7'51	417.30 –				APR 7'51	174.76*
APR 9'51	57.50 –				APR 9'51	117.26*
APR 11'51	42.00 –	50.00 –			APR 11'51	25.26*
			APR 12'51	500.00	APR 12'51	525.26*

PLEASE EXAMINE AT ONCE.
IF NO ERROR IS REPORTED IN TEN DAYS THE ACCOUNT WILL BE CONSIDERED CORRECT.

LAST ITEM IN THIS COLUMN IS YOUR BALANCE

After 30 days return to
VAN HORN STATE BANK
VAN HORN, TEXAS

8

Financial Statement of U. D. Melton Van Horn, T
on April 12, 1951.

Done 1059

This map is a photo copy of the pertinent section of U. S. G. S. Aerial Map #3-114. Quad Allamore, Hudspeth Co. Tex., Project G.S.-EQ*-1948. The large map covers considerable aera with no connection to the Lena Claims, and is too cumbersom.
Awarded Lena Claims, by the Land Commissioner of the State of texas, #s 1 to 8, inclusive, and four claims that have been staked, but awards not requested sofar, are superimposed.

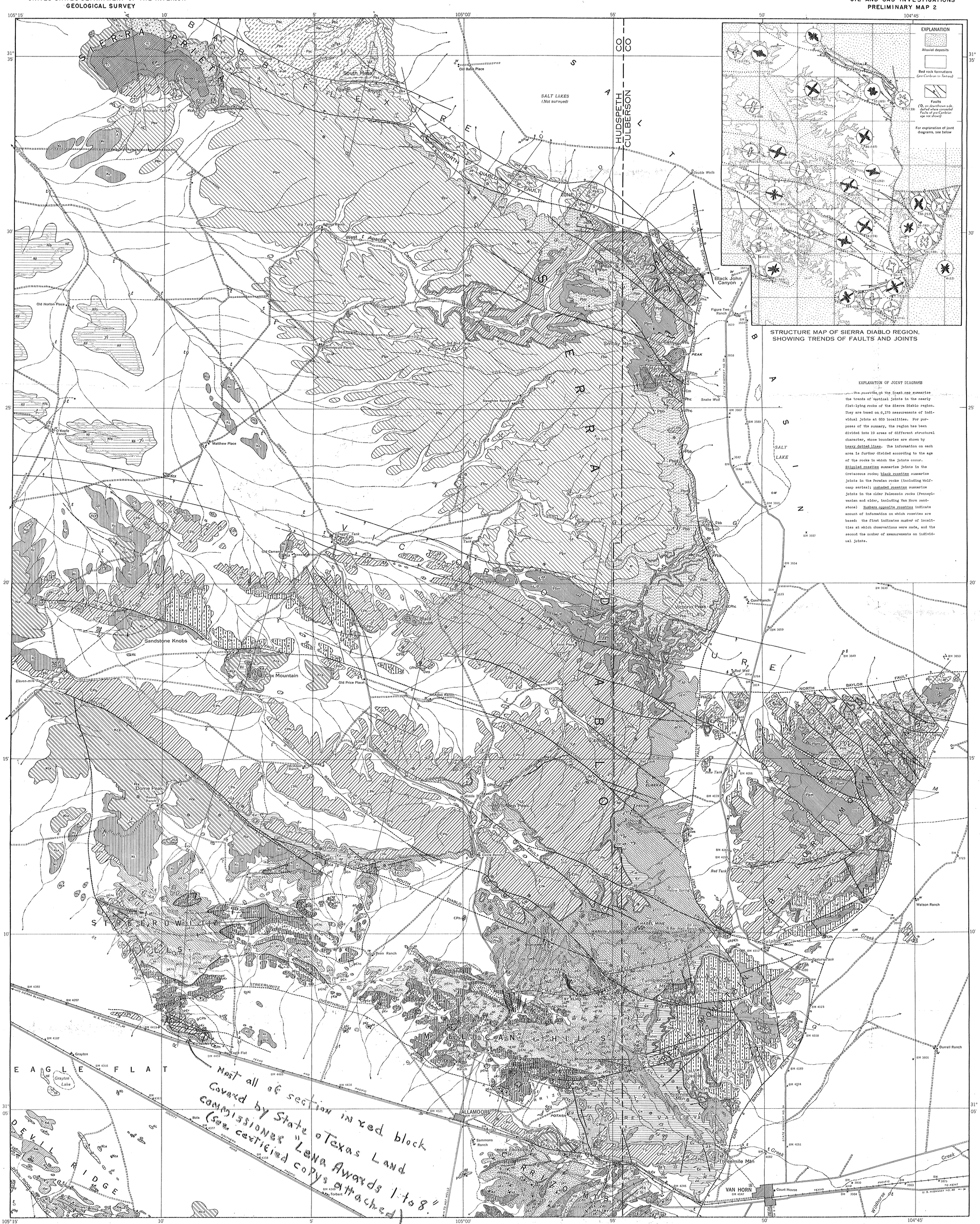
See certified copys of claim awards

dma 1089

Use foot Rule Divided into 1/16" multiply number of sixteenths by 36 = Number of feet 1" = 576'

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OIL AND GAS INVESTIGATIONS
PRELIMINARY MAP 2



STRUCTURE MAP OF SIERRA DIABLO REGION, SHOWING TRENDS OF FAULTS AND JOINTS

EXPLANATION

Alluvial deposits

Bed rock formations (pre-Cambrian to Tertiary)

Faults (D, on downthrown side; dashed where concealed. Faults of pre-Cambrian age not shown)

For explanation of joint diagrams, see below

EXPLANATION OF JOINT DIAGRAMS

The rosettes on the inset map summarize the trends of vertical joints in the nearly flat-lying rocks of the Sierra Diablo region. They are based on 6,175 measurements of individual joints at 833 localities. For purposes of the summary, the region has been divided into 19 areas of different structural character, whose boundaries are shown by heavy dotted lines. The information on each area is further divided according to the age of the rocks in which the joints occur. Stippled rosettes summarize joints in the Cretaceous rocks; black rosettes summarize joints in the Permian rocks (including Wolfcamp series); unshaded rosettes summarize joints in the older Paleozoic rocks (Pennsylvanian and older, including Van Horn sandstone). Numbers opposite rosettes indicate amount of information on which rosettes are based: the first indicates number of localities at which observations were made, and the second the number of measurements on individual joints.

EXPLANATION

QUATERNARY

- Undifferentiated alluvial deposits (Mostly fine-grained, forming surface of pediments, bolsons, and bajadas. Includes coarse conglomerate along east foot of Sierra Diablo, and unconsolidated gypsum in Salt Basin)
- Ql — Landslide deposits (On Sierra Prieta)
- Terrace deposits (Gravels on surfaces above present drainage)

UNCONFORMITY

TERTIARY

- Tb — Extrusive basalt (Small remnants on Cox Mountain and west of Victorio Peak)
- Intrusive igneous rocks (Granite, syenite, trachyte, phonolite, and intrusive breccia)

UNCONFORMITY

CRETACEOUS

Comanche series

- Kw — Marl and clay of Washita age (Includes beds of Kiamichi age on Cox Mountain, and beds of Duck Creek to Fort Worth age on Sierra Prieta)
- Kf, Kfs — Finlay limestone (Rudistid limestone and interbedded marl. Kfs-sandstone member in northwest part of area)
- Kcx — Cox sandstone (Thick-bedded, pebbly sandstone; of Finlay age to south, but including beds of Finlay and Kiamichi age on Sierra Prieta)
- Kc — Campagrande limestone (Thin-bedded limestone and marl to south; variegated conglomeratic limestone to north)
- Kby — Sandstones and limestones (Bluff and Yucca formations of some reports; in part equivalent to, and in part older than Campagrande limestone; present only in southwest corner of area)

MAJOR UNCONFORMITY

Guadalupe series

- Pgs — Goat Seep limestone (Thick-bedded, dolomitic limestone)
- Psc — Sandstone tongue of Cherry Canyon formation (Fine-grained sandstone)

UNCONFORMITY

PERMIAN

Leonard series — Bone Spring limestone

- Pbc — Cutoff shaly member (Thin-bedded, shaly, buckly limestone)
- Pbv — Victorio Peak gray member (Thick-bedded, light gray limestone; becomes dolomitic to west)
- Pbm — Massive limestone (Of reef facies; in part dolomitic; equivalent to black limestones of lower part of formation)
- Pbb — Black limestone (Thin-bedded, in part shaly, grading laterally into massive limestone; forms part or all of lower half of formation)

LOCAL UNCONFORMITY

Wolfcamp series

- CPv, CPhc — Hueco limestone (Thin to thick-bedded, gray, cliff-making limestone; CPhc-basal clastic member of marl, red shale, and conglomerate)

MAJOR UNCONFORMITY

CARBONIFEROUS

Pennsylvanian

- Pm — Magdalena limestone (Thick-bedded, gray limestone; of middle Pennsylvanian age)
- Pb — Bend formation (Shale of Smithwick age, underlain by limestone)

Mississippian

- Ch — Helms formation (Blue and black shale, of Chester age)

UNCONFORMITY ?

DEVONIAN (?)

- Dc — Chert, limestone, and siliceous shale

UNCONFORMITY

SILURIAN

- Sf — Fusselman limestone (Massive, white, crystalline, dolomitic limestone, passing locally into gray fossiliferous limestone)

UNCONFORMITY

ORDOVICIAN

Upper Ordovician

- Om — Montoya limestone (Thick-bedded, cherty limestone, with persistent sandstone member at base)

UNCONFORMITY

Lower Ordovician

- Oe, Oes — El Paso limestone (Thin to medium-bedded limestone, with marly limestone at top; Oes-beds of calcareous sandstone at base)
- Ob — Bliss sandstone (Thin-bedded, non-calcareous sandstone, cut by worm tubes)

UNCONFORMITY

CAMBRIAN OR PRE-CAMBRIAN

- Cv — Van Horn sandstone (Red sandstone and arkosic conglomerate; cross-bedded and unfossiliferous)

MAJOR UNCONFORMITY

PRE-CAMBRIAN

Hazel sandstone

- pCh, pCht — Red sandstone (Fine-grained and thin-bedded; forms upper part of formation; pCht-tuffaceous member, interbedded in the sandstone in one area)
- pChc — Conglomerate (Composed of pebbles, cobbles, and boulders, largely of limestone and volcanics from the underlying Allamoore limestone; forms lower part of formation, and also interbedded with red sandstone above)

UNCONFORMITY

Allamoore limestone

- pCv — Volcanic rocks (Lavas, tuffs, breccias, and phyllites, forming thin to thick members interbedded in the limestone; one small mass in Hazel sandstone included)
- pCl — Limestone (Thin to thick-bedded, cherty, in part memorized)

SEQUENCE CONCEALED

Carrizo Mountain schist

- pCl — Limestone and slate (Some chert and volcanics)
- pCq — Quartzite (Thinly laminated, in part cross-bedded)
- pCgs — Greenstone intrusives (In part massive, in part schistose; smaller areas not shown)
- pCr — Metarhyolite (Mostly cataclastically altered and with pronounced linear structure; some mylonite)
- pCc — Chlorite schist (Fine-grained, green schist)

CONTACT METAMORPHIC ROCKS

- Hornfels and marble (Contact metamorphosed near larger intrusives of Tertiary age)

STRUCTURAL SYMBOLS

- Normal fault (D, downthrown side)
- Reverse fault (T, upthrown side; includes some low-angle overthrust faults)
- Tear fault (Arrows indicate relative movement; on structure sections, A indicates relative movement away from observer and T toward observer)
- Hypothetical and concealed faults
- Strike and dip of strata
- Horizontal strata and vertical strata
- Strike and dip of schistosity
- Trend and dip of linear features
- Anticlinal and synclinal axes
- Edges of wide flexures

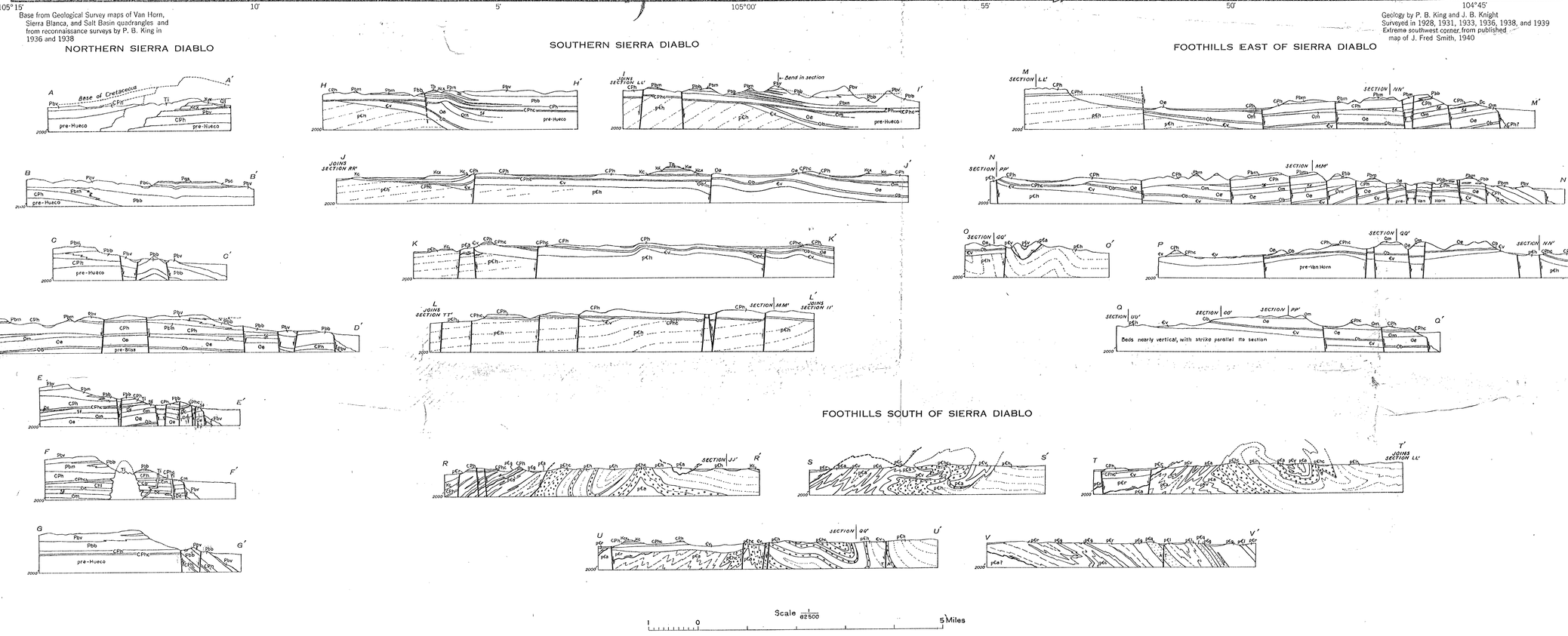
ECONOMIC GEOLOGY

- Mine shaft (Worked for copper and silver)
- X X X Mine or prospect openings (Mostly opened for copper and silver)
- W S L Water supply (W, well; S, spring; L, earth storage tank)

Base from Geological Survey maps of Van Horn, Sierra Blanca, and Salt Basin quadrangles and from reconnaissance surveys by P. B. King in 1936 and 1938

Geology by P. B. King and J. B. Knight
Surveyed in 1928, 1931, 1933, 1936, 1938, and 1939
Extreme southwest corner from published map of J. Fred Smith, 1940

NORTHERN SIERRA DIABLO



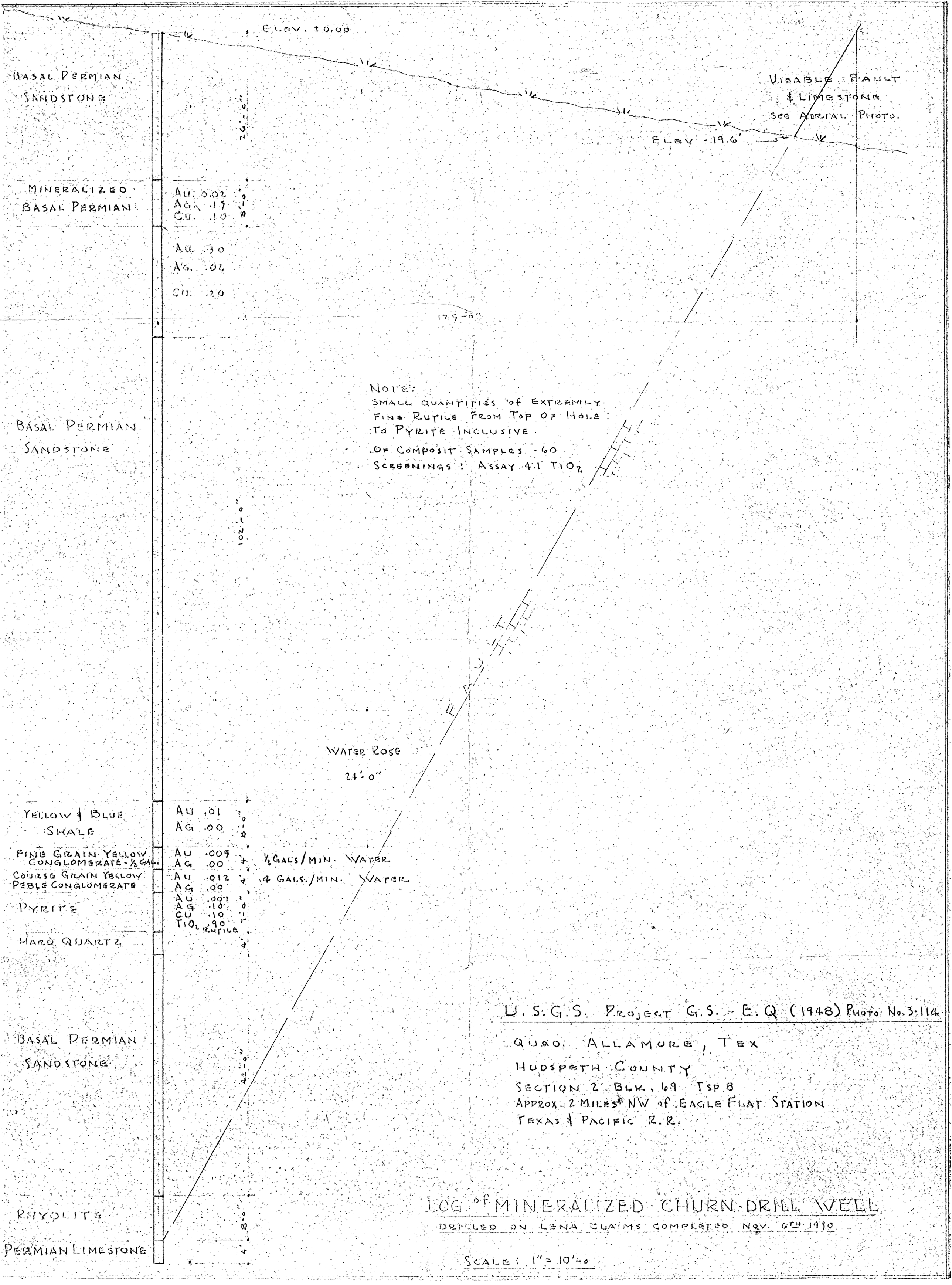
SOUTHERN SIERRA DIABLO

FOOTHILLS EAST OF SIERRA DIABLO

FOOTHILLS SOUTH OF SIERRA DIABLO

Scale 1/62500 — 0 — 5 Miles

SIERRA DIABLO REGION, HUDSPETH AND CULBERSON COUNTIES, TEXAS



U. S. G. S. PROJECT G. S. - E. Q (1948) PHOTO No. 3-114

QUAD. ALLAMORE, TEX

HUDSPETH COUNTY

SECTION 2 BLK. 69 TSP 8

APPROX. 2 MILES NW of EAGLE FLAT STATION

TEXAS & PACIFIC R. R.

LOG of MINERALIZED CHURN-DRILL WELL

DRILLED ON LENA CLAIMS COMPLETED NOV. 6TH 1940

SCALE: 1" = 10'-0

Work on drift Completed to 52'

Objective = Drift 150' to cut mineralized fault @ 150' in depth (brown line)
Run 140' x 1 (45°) incline stope underneath old workings (Red line)
fault = yellow line (See kings U.S.G.S. Map)