400

SEP 19 1955

Mr. O. L. Neyland
P. O. Box 946
Del Rio, Texas

Re: Docket No. DMEA 3770-Manganese
Neyland Mine
Jeff Davis County, Texas

Dear Mr. Neyland:

Your application for aid for an exploration project and other data available to us in Washington relative to the above property have been carefully reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of our information indicates that although manganese mineralization occurs on the property, the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied. Such denial, however, is made without prejudice. In the event further work on your part discloses new and more favorable evidence of ore deposition on the property, we shall be pleased to consider a new application, amply supported by geologic mapping, sampling, and assaying.

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
Code 400
Adm. Read. File
Oper. Comm.
Thor Kiilsgaard, USGS
Gilbert DeHuff, USBM
Field Team, Region 4

SPHolt/ls
8/31/55

September 1, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $145,237.00
Docket No. DMEA 3770 - Manganese
O. L. Meyland
Meyland mine
Jeff Davis County, Texas

The denial of the subject application is recommended by this Division based on the following information:

1. The applicant, O. L. Meyland, P. O. Box 946, Del Rio, Texas, requested exploration assistance in the amount of $145,237.00 for drifting and crosscutting in the Meyland mine.

2. The applicant controls by lease from Juan Maverette, the owner, Survey No. 47, by lease (?) from Cecil Gamalin, Mineral Awards to Canyon Nos. 1 and 2 claims, in Sections 38 and 48, and by Mineral Awards from the State of Texas to O. L. Meyland, Claims Nos. 1, 2, and 3 to 25 inclusive, recorded in Book "J", pages 20 and 102 to 125 inclusive of the records of Jeff Davis County, Texas. All above awards and claims are located in Block 59, Township 5, T. & P. Ry. Co. Survey, Jeff Davis County, Texas.

3. The proposed program is to explore the property by driving a level or slightly inclined tunnel of unstated length, with crosscuts, also of indefinite length, and core drilling where needed.

4. Although scattered mineralization with manganese is found over the area proposed to be explored, and applicant, after building 3 miles of road, has driven two tunnels, 300 and 150 feet long, with a small stope, a raise and a winze from the first tunnel, also two small surface cuts, and shipped two small lots of manganese ore, reported to have had a total weight of 59.23 tons, and to have assayed 37.1 and 36.0 percent manganese, little evidence is furnished by the applicant to indicate that minable deposits of manganese ore might be discovered by work done under his vague and indefinite exploration proposal.

5. The Field Team concludes that there is little probability of making a significant discovery, and recommends denial. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in this recommendation.

6. If the applicant furnished detailed cost estimates for a more practical alternative exploration program suggested by the Field Team, together with other data and maps requested and needed for a proper appraisal of the application and formulation of project plans, a new application for exploration assistance would be in order.

T. L. Chapman, Acting Chief
Iron and Ferro-Alloys Division

8/1/55 Docket
Code 400
Adm. Read. File
Operating Comm.

400

September 14, 1955

Memorandum

To: W. S. Martin, DMEA

From: G. L. DeHaff, Jr., Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: DMEA-3770. Manganese. Nayland Mine

The Field Team has recommended denial of subject application for aid to explore for manganese applicant's leased claims located in Jeff Davis County, Texas. Total cost of the project was estimated by applicant to be $145,237.

The application states that this is a new mine with no past production. Applicant has driven two tunnels about 600 feet apart, totalling approximately 400 feet in length, and made two shallow cuts in the hillside. Bureau of Mines statistics show that in late 1954 and early 1955 O. L. Nayland shipped 39 tons to the GSA depot at Deming. The ~~three~~ shipments contained from 30 to 35 percent manganese. Applicant states that they were "lump ore that has been picked up". He proposed exploration "to drive further into the mountain" and "to do core drilling to confern (sic) the places for the tunnels".

At the time of the field examination a more specific project was suggested by the examiner to which applicant finally agreed. However, he has not supplied an acceptable map, copies of settlement sheets, details as to the new project proposal and revised realistic cost estimates, all of which have been requested of him.

In view of the time which has elapsed since these requests were made, the high silica content of samples taken in and about the workings, and the believed poor chances for finding a significant deposit of manganese, the Field Team has recommended denial of the application. Doubts as to applicant's competency to formulate and conduct a satisfactory exploration project, and unanswered questions as to Owner's Consent to Lien and/or other guarantees with respect to the claims, also contributed to the decision.

I am in agreement with the recommendation for denial.

G. L. DeHaff, Jr.

402

IN REPLY REFER TO:

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

RECEIVED
SEP - 2 1955

September 1, 1955

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Field Examination Report, DMEA Docket No. 3770 (Manganese), O. L. Keyland, Keyland Mine, Jeff Davis County, Texas.

The report of field examination of the Keyland mine recommends that the application be denied. The recommendation appears to be based more upon the delinquency of the applicant in submitting a feasible exploration program and other physical data than upon unfavorable geologic criteria.

However, I have visited the general area under consideration and agree with the examining team that the possibilities for discovering large tonnages of acceptable-grade manganese deposits are poor. The picked sample taken by the examining team does not meet carload lot purchasing specifications. I concur with the recommendation that the application be denied.

WPW

W. P. Williams

WPWilliams:iml
G-9/1/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
G. DeNuff, 3521

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
[redacted]

P. O. Box #431
Joplin, Missouri

August 24, 1955

Memorandum

To: DMEA Operating Committee, Department of the Interior, Wash. 25, D. C.

From: Clinton Knox, Region IV Field Team Executive, Joplin, Mo.

Subject: Field Team Report
Application Docket DMEA-3770 (manganese)
O. L. Neyland, Box 946, Del Rio, Texas
#145,237 exploration project proposal
Neyland mine, Jeff Davis County, Texas

Introduction, summary, and conclusions:

The Neyland manganese property includes a lease on section 47 and State Mineral Awards on 28 claims in sections 38 and 48, all located in Township 9, Block 59, T. & P. Railroad Co., Survey, along the east side of State Highway 118, approximately 12 miles south of Kent, Texas. Accompanied by the Applicant, the Field Team's examination of his property and mine workings was made in June, 1955, by Donald MacLaren, Geologist, U.S.G.S., Denver, whose report is appended hereto.

In his July 12 letter transmitting the report to me, he indicated some doubt that a significant manganese ore deposit could be found on the Applicant's property, but felt that the making of firm conclusions or recommendations should await receipt of: (1) analyses by the Bureau of Mines, Rolla, Missouri, of the sample he selected of the best-appearing manganese bearing material; (2) copies of settlement sheets requested from the Applicant for some 59 tons of ore reportedly shipped to Deming; (3) the practical project proposal and realistic cost estimate in detail requested from the Applicant; and (4) an acceptable map from the Applicant showing the data required for a proper appraisal of the application and formulation of project plans.

The Bureau of Mines reported that MacLaren's selected sample contained about 36 percent silica but only 25 percent manganese. None of the essential data requested from the Applicant in my April 27 letter, in MacLaren's personal interview at the property, and in his June 16 letter, have been received.

I concur with MacLaren's findings on this field examination.

Recommendations:

The faint possibility exists that a manganese bearing deposit might be found on the subject property that eventually may prove amenable to one of the manganese extraction processes on which research now is underway. I recommend that the application in its present form be denied, however, in view of the considerable time which has elapsed without any response from the Applicant to the requests for essential data, and on the grounds that a realistic project proposal has not been presented, nor has the Applicant displayed engineering and geologic competency to formulate or conduct such an exploration project. Also, the Applicant has not indicated whether Owners' Consent to Lien and/or other suitable guaranties could be furnished the Government in the event that an exploration project contract is offered.

Suggested alternative or preferred exploration method:

In MacLaren's July 12 letter transmitting his geologic report to me, he also made reference to the Applicant's project proposal and his suggested alternative which appeared practical and reasonable to me, quoted as follows:

> "As for his program, he didn't seem to have much idea about what he wanted to do, but rather expected me to tell him how to find 'a large ore body in the core of the hill'. He finally decided to accept the suggestion that he start a new tunnel on the lower road (dashed on my sketch) in, or along, the edge of a vesicular zone that appears to be between a dike and the intruded ash beds; to continue the road to cut No. 2 and start a tunnel there. The tunnels are to go 200 feet and allowance is to be made for a maximum of 100 feet of crosscutting and/or raising at locations to be determined later. This depends, of course, on the acceptability of his ore, silica-wise. He has had a survey made and was to have a map made up and forward it, but that too has not come in".

Evidently the Applicant's mind changed, because he has never furnished the map, his detailed plans for this practical appearing suggested alternative project proposal, nor any realistic cost estimates, so I consider that a notice of denial should be issued now.

MacLaren's geologic report and sketch map (Figure 1) is appended here.

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

Enclosures

cc: DMEA Op. Com. (3)
MacLaren, USGS, Denver
3770 file

RMSA Docket 3770

RECEIVED
MINERALS TECHNOLOGY
DIVISION
JUL 14 1955
BUREAU OF MINES
JOPLIN, MO.

GEOLOGY

The rocks in the northern part of the Davis Mountains are Cretaceous sediments that have been buried under a series of volcanic flows, tuffs, and breccias. The only rocks exposed at the Neyland mine are those of the volcanic series. The mine is on the steeply sloping northeast side of a ridge that strikes southeasterly. Ascending from the bed of a dry stream the rock sequence is about 150 to 200 feet of tuff and ash, 150 feet of breccia and lava, 100 feet or more of tuff, and 50 to 100 feet of lava to the top of the ridge. All the members of the series strike N. 65° to 70° W. and dip about 5° SW. About 40 feet southeast of cut No. 3, figure 1, a vertically dipping sheeted zone 20 to 30 feet wide strikes N. 25° to 30° E. This zone cuts the volcanic series and is probably a dike of porphyritic syenite or andesite. No manganese was found in the dike, but between the dike and the tuff and ash, as well as along the base of the first lava, is a vesicular zone several feet thick that contains many small stringers and lenses of hard, siliceous manganese and small amounts of rhodonite. In cuts along a road that leads to the workings some of the exposed tuff contained blebs and stains of black manganese oxide. The mine workings comprise two tunnels, about 600 feet apart laterally, and two shallow cuts into the hill side.

Insert correct figure number

Tunnel No. 1 (figure 1) is about 300 feet long, including the open cut from which it is collared, and is driven along the contact between tuff and silicified ash or breccia. Just inside the portal a

Insert correct figure number

stope, roughly resembling an inverted cone in shape, extends to the surface. From the tunnel floor to the surface the walls of the stope contain patches that are laced with small irregular stringers of hard black manganese oxide up to an inch wide and a foot long. Similar patches and areas occur along the back and sides of the drift above the tuff-breccia contact. In the tuff, manganese occurs as small scattered nodules and as stains and coatings along joints and disseminated in the rock. About 90 feet from the portal of the tunnel a raise has been driven to a height of about 18 feet above the floor of the drift. In the raise, manganese occurs in the same manner as in the back and sides of the drift. About 200 feet from the portal of the tunnel a winze has been sunk to a depth of about 15 feet. No manganese was found in the winze.

About 600 feet northwesterly from tunnel No. 1 and about 60 feet stratigraphically lower, tunnel No. 4 is about 150 feet long, including the open cut from which it is collared, and is driven entirely within the tuff. Manganese occurs in scattered stains and nodules and to a less extent as small stringers in the drift back and along the walls.

Two small open-cuts, Nos. 3 and 2, about 100 and 400 feet, respectively, southeasterly from tunnel No. 1, are in tuff very near the overlying breccia. Cut No. 3 is within about 35 feet of the dike previously mentioned. The breast of each open-cut contains small lenses and pods of hard black manganese, some of the lenses being as much as 6 inches thick and over a foot long.

Ten samples taken by the applicant and assayed by Dickenson Laboratories of El Paso gave the following results:

Map No.	% SiO_2	% Mn	% Fe	Description of sample
1	7.80	49.42	3.55	Chip from opencut at tunnel No. 1.
2	23.00	40.70	4.21	Chip from outcrop, 80 ft. above tunnel No. 1.
3	8.10	50.39	2.83	Chip from outcrop, 70 ft. above sample No. 2.
4	18.10	43.42	2.76	Chip from opencut at tunnel No. 4.
5	16.10	45.67	1.58	Bulk from opencut at tunnel No. 4.
6.	29.70	26.59	3.51	Bulk from opencut at tunnel No. 4.
7	33.80	25.07	2.06	Chip across face, No. 2 opencut.
8	36.10	32.68	2.54	Bulk from tunnel No. 1.
9	30.65	30.65	2.41	Bulk from tunnel No. 4.
10	35.80	33.33	3.23	Bulk from opencut No. 3.
	23.92	37.79	2.87	Unweighted average of 10 samples.

All material from the tunnels and opencuts that "looked like it might be ore" to the applicant was taken to a stock pile near the base of the hill. Two bulk samples of this material were sampled by the applicant and assayed:

				Al_2O_3	
1	10.50	43.12	1.50	0.15	
2	13.70	45.36	1.65	0.20	
	12.10	44.24	1.57	0.17	Unweighted average of 2 samples.

A selected and carefully hand-cobbed sample of the hard black manganese was taken by the examiner to determine the highest grade material that could be hand separated and was assayed by the Bureau of Mines.

Sample N° 1 This sample contained 35.23 SiO_2, and 1.90 % Fe, and 24.91 % Mn

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

August 19, 1955

DMEA Circular 4, Supplement No. 2

Operating Committee: Changes in Personnel assigned to DMEA

The members of the Operating Committee, effective as of July 1, 1955, are as follows:

George C. Selfridge	Chairman, Representative from DMEA
Robert W. Gedman	Representative from Bureau of Mines
Paul Yopes	Alternate Representative from Bureau of Mines
Thor H. Kiilsgaard	Representative from Geological Survey

C. O. Mittendorf
Administrator

85653

Defense Minerals Exploration Administration

RECEIVED
MINERALS TECHNOLOGY
DIVISION

July 12, 1955

JUL 14 1955

BUREAU OF MINES
JOPLIN, MO.

3770

Mr. Clinton G. Mann
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Through: E. N. Hershman

Re: Geologic reports for
Deadmite 3770 and 3776

Dear Clint:

Enclosed are the original and three copies of my geologic reports on Centerbrooke Dome (Deadmite 3776), and Hayland Manganese (3770). I hope to have Adobe Walls (3766) on the way in a few days. Illustrations to accompany the enclosed reports are being drafted and have been promised for next Thursday.

In the case of the Hayland report, I don't feel justified in making a firm examination or recommendation until we get the settlement sheets for the shipments of ore that have already been made, because of the high silica assays from the samples taken in and around the workings. Two samples Hayland took from his stockpile are below the minimum of 25% acceptable but they average 12.15 which suggests that they might have been too carefully selected. In spite of your letter to him requesting copies of the settlement sheets, he did not have them with him when we met in the field and, in spite of my urging him to get them to us, he still has not come through. Geologically, there appears to be a chance of finding a fair tonnage of manganese bearing material but if the silica content is going to be too high I feel that denial should be recommended. As for his program, he didn't seem to have much idea about what he wanted to do, but rather suggested we to tell him how to find "a large ore body in the side of the hill". He finally decided to accept the suggestion that he start a new tunnel on the lower road (marked on my sketch) in, or along, the edge of a vertical zone that appears to be between a dike and the intended sub body to continue the road to cut No. 2 and start a tunnel there. The tunnels are to go 300 feet, and allowance is to be made for a maximum of 200 feet of crosc-

cutting and/or raising at locations to be determined later. This depends, of course, on the acceptability of his ore, silica-wise. He has had a survey made and was to have a map made up and forward it, but that too has not come in. I stadiaed by tape and compass the two tunnels and that portion of the road from tunnel No. 4 to about 150 feet or so southeast of tunnel No. 1. The locations of cut No. 2 and the lower road are estimated and can be spotted on his map if he will only send it in. Incidentally, I pulled a boner, after looking up the Texas vara, and converted on the basis of 33.33 feet instead of inches. This resulted in part of my sketch falling dangerously near an outside claim boundary. Hayland gave me a distance of 560 feet from the No. 4 portal to the section corner. I began to wonder if he had confused the No. 560 (shown on his claim map in varas) with the number 560 (in feet) which he gave me. I wrote him a letter urging him to get his map in, and sent you a copy for your files. Apparently a copy of that letter was forwarded to Washington as Fairbridge sent me a wire and straightened me out on the vara-foot ratio. The map you will receive is corrected accordingly, but I still don't know for sure that the section corner-tunnel 4 tie-in is correct. On the question of costs, I couldn't get to first base with Hayland. He said his figures were based on the cost of the work already performed, but when I insisted that $15,600 for gas, oil, and water and $10,400 for dynamite and powder seemed extremely excessive, he said, "I guess my concessionaire made a mistake." Also, he insists a 5 x 7 tunnel will cost much more than the more or less 10 x 12 hole he has made (he concessionaire a 1 ton scoop), principally on the grounds of timbering and track costs. However, he agreed to check his estimated cost figures and make them more realistic, but so far I have heard nothing more. So much for Rocket 3770.

At Contrabando Dam there is evidence that mercury bearing solutions came up along at least three faults, and small specks of cinnabar associated with calcite were observed in one ignous dike in section 109 on the applicant's property and at two dikes in section 108, north of the property to be explored. The two best host rocks in the main Terlingua district, the Georgetown and the Buda limestones, are inferred to be present within 600 feet of the surface. However, evidence of the existence of an ore body to be explored is lacking. Therefore, I have plotted six sites that appear to me to be most promising and have suggested an approach by stages in the hopes of doing a minimum amount of dead work at those sites that do not lead to ore. In the event that ore is discovered at certain sites, I have added three more sites that might be considered favorable. Then, if acceptable to you and then to DMEA, a contract can be set up that will provide for considerable drilling, but DMEA will not be obligated to drill more than six holes unless some or all of these holes indicate a favorable area. I feel that this cautious approach is advisable because of the distance of the Contrabando Dam from the best mines so far known, and because of the wildcat nature

of the undertaking. The question of cache and whether cable drilling is more suitable than diamond drilling I leave to you. One thing I know and that is that the applicants are going to be very unhappy at the recommended reduced program, but I can not justify recommending anything more than I have. Incidentally, the same situation exists at Idaho Falls. The proposed program appears to me to be difficult to justify on the basis of what I saw. I think some drilling is justified, but certainly not all that proposed by the applicants.

I am sorry these reports were not anything your return but they have been "chickens" to work out without being unfair one way or another. I have indicated the sample number in pencil on the margin of the pages on which reference is made to samples. Please fill in the gaps. I am also enclosing a smaller photostat of Sandersonite Dome that Mr. Fry gave me, along with a copy of Wilson's report for which it was made, and photostats of assay returns which Mr. Hayland gave me.

Sorry to miss your visit through here, and even sorrier you didn't drop by on the way home as I am sure we could spend at least a half day in profitable discussion of the three projects.

Sincerely yours,

Donald R. MacLaren

DRMacLaren:mdr

Enclosures

bcc: DMRA Operating Committee (2)
Hillsgrove
File

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

[redacted]

RECEIVED
JUL 14 1955

P. O. Box #431
Joplin, Missouri

July 11, 1955

Airmail

Mr. Donald R. MacLaren
U. S. Geological Survey, DMEA
Denver Federal Center, Bldg. 25
Denver 2, Colorado

WSM

Re: DMEA-3770, -3776, and -3787

Dear Don:

This is to advise that I returned to the old grind here July 5 and want to offer every assistance to you on the subject dockets. Mr. P. S. Kendrick, President, Big Bend Mining, called from Abilene Friday regarding the status of the latter two above-cited application dockets. He mentioned being in Washington recently and discussing them with Messrs. Mittendorf and Martin.

I noted your June 14 letter to this office and Perkins submittal of your three samples to the USBM laboratory at Rolla from which analytical reports are expected soon, immediately to be transmitted to you.

I also noted in the June 27 minutes of the DMEA Operating Committee Meeting that a teletype had been sent to you with reference to Docket DMEA-3770. I did not receive a copy of that teletype but if there was any request therein with which I can assist you, please do not hesitate to inform me.

explained [illegible] measurements

I hope the Big Bend region had not warmed up too much by the time you got down there. With many thanks for carrying the ball during my absence, and best personal regards, I remain

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Op. Com. (2)
McElvenny, Rolla (3)
3770 file
3776 file
3787 file

400

JUN 27 1955

Interior Department
Defense Minerals Exploration Administration
14X4401(01) Revolving Fund, Defense Production Act,
Interior (Allocated Working Fund to the Office of the Secy.)

T E L E T Y P E

Mr. Donald R. McLaren
Geological Survey
Building 25, Denver Federal Center
Denver, Colorado

Reurlet June 16 to O. L. Neyland, Docket DMEA 3770, Manganese. Please note that 540 Texas varas at thirty-three and one-third inches each equals 1500 feet. Claim dimensions on map are in varas.

George C. Selfridge

Chairman, Operating Committee
Defense Minerals Exploration Administration

cc: Docket
Adm. Read. File
Code 400
Operating Committee
Thor Kiilsgaard, USGS
Gilbert DeHuff, USBM
Confirmation - Mr. McLaren, Denver

WSMartin/ls
6/27/55

COPY - DMEA Operating Committee
C. C. Knox

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

Building 25, Denver Federal Center
Denver, Colorado

402

RECEIVED
JUN 22 1955

C
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P
Y

Copy retained 200

June 16, 1955

Mr. O. L. Neyland
P. O. Box 946
Del Rio, Texas

Dear Mr. Neyland: Re: DMEA Docket 3770

I have just finished combining the claim map you gave me and the sketch I made of the workings and part of the road. To tie in Tunnel No. 4 with the corner post common to Surveys 37, 38, 47, and 48, I used the distance 540 feet and bearing of due west, which you gave me. This places the present portal of Tunnel No. 1 in Survey 47, about 20 feet west of the west boundary of claim No. 4; cut No. 2 is on claim No. 8, about 150 feet from the west end line; and the proposed tunnel site on the lower road is dangerously close to the northeast side line of the diagonal claim (not numbered) in Survey 48. It occurs to me that when you said Tunnel No. 4 is "540 feet due west" of the Survey corner post that you were confusing that distance with the length of the staked claims which in most cases is also 540 feet. If "540 feet due west" is correct and my survey is off a few feet - which it may well be as it was made with a cloth tape and compass - part of the lower road and the proposed portal site may be northeast of the diagonal claim in Survey 48 and off your property.

It is, therefore, necessary that you have your surveyor prepare a sketch of his survey and send me a copy before I can complete my report. If he will show: (1) the existing road for Tunnel No. 1 to the proposed tunnelsite on the lower road; (2) the proposed new road for Tunnel No. 1 to the site of the second proposed tunnel; and (3) the location of the corner post common to Surveys 37, 38, 47, and 48, I can supply the balanae of the finished map from my notes. Be sure he indicates on his sketch the scale (1" = 100' or 1" = 200' will be the most satisfactory) and an arrow indicating true north. If he shows the survey boundary lines, the arrow will not be necessary.

Very truly yours,

Donald R. McLaren

DRMacLaren:arh
Copy to Knox

COPY - DMEA Operating Committee
Washington, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

C
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~~XXXXXXXXXXXXXXXXXX~~
GEOLOGICAL SURVEY
DENVER FEDERAL CENTER
DENVER, COLORADO

Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 26 1955

400

dmea 3770

May 23, 1955

Mr. O. L. Neyland
P. O. Box 946
Del Rio, Texas

Copy retained 400

Dear Mr. Neyland:

I have been requested to make a geologic examination of the Neyland mine for the Defense Minerals Exploration Administration. I expect to fly to Alpine, Texas, on Monday June 6, 1955, arriving late in the afternoon, will pick up a car there, and will make the examination Tuesday, June 7. Will you please advise me where you or your representative will meet me. I will stop Monday night, June 6, at the Holland Hotel in Alpine and can meet you there, or if you prefer, at some place along the Alpine-Kent road on Tuesday, June 7.

Sincerely yours,

/s/ Donald R. MacLaren
Donald R. MacLaren

Copy to: C C Knox

DRMacLaren;arh

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Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 31 1955

xxxxxxxxxxxxxxxxxx

P. O. Box 431
Joplin, Missouri

May 26, 1955

Mr. Donald R. MacLaren
U. S. Geological Survey, DMEA
Denver Federal Center, Bldg. 25
Denver 2, Colorado

Copy retained 400

Re: Application Docket
DMEA 3770, 3776, and 3767

Dear Mr. MacLaren:

Before Clinton C. Knox left for Washington he requested that any matters having reference to your visit to the Big Bend country be forwarded to you.

Enclosed find letter from Mr. George E. Fry, Vice-President, Big Bend Mining. Inc.

If any additional information is needed Mr. Knox will doubtless request it after his return from Washington and before he leaves on his vacation.

Sincerely,

Edwin T. Perkins, Mining Engineer

For: Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

ETP/vis

Enclosures

cc: DMEA Op. Com (2)
File 3776
File 3767

COPY - DMEA [illegible]erating Committee

400

C
O
P
Y

O. L. NEYLAND
GENERAL CONTRACTOR
P O. Box 946
DEL RIO. TEXAS

May 3, 1955

United States Department of the Interior
P. O. Box 431
Joplin, Missouri

Copy entered 400

Att'n: Mr. Clinton C. Knox
Executive Officer

Re: Application No. DMEA-3770

Dear Sir:

I am enclosing an official road map of the State of Texas for 1955, outlining the approximate location, showing the location of the manganese prospect. Mr. Benno Ahrens lives in Kent, Texas, and will guide you to the property, stop at the filling station in Kent and ask for Mr. Ahrens. Also I will be glad to meet you at Kent, Texas, at any time.

Very truly yours,

/s/ O. L. Neyland

Encl
OLN/wc

402

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

P. O. Box #431
Joplin, Missouri

Copy

May 5, 1955

Mr. Robert C. Withers
Licensed State Land Surveyor of Texas
Box 785
Fort Davis, Texas

Re: DMEA-3770 (manganese)
Application on Neyland mine
Jeff Davis County, Texas

Dear Mr. Withers:

This is to express my deepest appreciation for the information and your kind offer of assistance in your May 1 letter to me. Whenever I can schedule the trip to that region, however, I will try to arrange for Mr. Neyland to meet me for the examination of his mining property. After that, when I will be on my way to the Terlingua district, perhaps I can meet and visit with you briefly in Fort Davis, and see your map.

I am somewhat familiar with the country south from Marfa and Alpine and have come by plane to the Marfa Air Base on previous occasions during the past three years.

I am returning herewith your copy of the mining lease agreement since Mr. Neyland also furnished us a copy. Thanks for your thoughtfulness.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Op. Com. (2)
3370 file

COPY - DMEA Operating Committee

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

P. O. Box #431
Joplin, Missouri

May 3, 1955 WSM

Airmail

Mr. Donald R. MacLaren, Geologist
U.S. Geological Survey
Denver Federal Center, Bldg. 25
Denver 6, Colorado

Re: DMEA-3770 (Manganese)
O. L. Neyland application
Jeff Davis County, Texas

Dear Don:

Thanks for your letter of April 29. I am glad to know that I am not the only one who is swamped. Perhaps by this time you have seen my May 2 letter addressed to Mr. Harshman - I thought you might be away from Denver. The three anticipated field referrals mentioned therein may require as much as a week to ten days on examination trips in the Big Bend country. I am striving, however, to clear the deck for a needed vacation which has been approved from June 4 to July 4. Robert Laurence from the Knoxville office and I tentatively have scheduled a joint examination at Fredericktown, Missouri, for the week of May 16. Our report thereon, along with the several others I have in the mill, should be completed before I leave on vacation. Therefore it does not appear likely that I could spend the time that may be required in southwest Texas until in July. Perhaps the additional data requested from Mr. Neyland will not be made available before then anyhow.

Whenever you decide that the time is ripe for those Texas examinations, I suggest traveling via Trans-Texas Airline from El Paso to Marfa-Alpine airport which is about midway between Marfa and Alpine. I tentatively had planned to arrive there from Dallas on that same airline. When I was last there, taxi service was offered by the mail carrier to Alpine for $2.00. I have found that the Holland Hotel in Alpine generally is the most convenient place to stay, particularly when going to the Terlingua mercury district. I believe a car could be rented from Casner's Garage, a block west of the Hotel.

My boss has requested, however, that I drive a Bureau car down there to save on travel expenses which would make quite a journey to undertake during the limited time I might have available this month, but would be more convenient for us if I got it to Alpine. In that case I would drive through Tulsa, Oklahoma City, Wichita Falls, San Angelo, Ft. Stockton, and Ft. Davis, and if you prefer, could pick you up at any of those points as I did at the Tulsa airport last winter.

There is some liklihood that essential data requested from the applicant for the above-mentioned Federicktown examination might not be made available to Mr. Laurence and I in time to fully justify that previously scheduled joint examination. In that case I would favor postponing it if you and I could arrange making these Texas examinations together during the last half of this month. Although joint examinations undoubtedly would be preferable, please do not delay yours on my account. As soon as possible, I will suggest a more definite time when I could accompany you. I will be pleased, however, to hear that you have arranged to make whatever examinations may be required of your office, independently, at any time your chance comes along.

Mr. George Fry of Big Bend Mining, Inc., Abilene, Texas, just telephoned to inquire about the Field Team's plans for examining the Contrabando dome property. I explained about our well-filled schedule and the advisability of making all three examinations on a single trip, also that it was preferable that I try to arrange for you to appraise the geological aspects. I also promised to advise him as soon as I could set a tentative data, and told him there was a possibility that you or some other geologist might contact him directly to arrange for the geological part of the examination with him before I could be there.

He said that under the lease, exploration by Big Bend Mining should get underway in 90 days. Some prospecting has been continued and a dozen samples of the mercury-bearing igneous rock exposures at Contrabando had been submitted for analyses today. As soon as possible he would submit:

> (1) Copies of those analyses; (2) information on amenability of that rock for furnacing just received from consultations and tests by Gould in San Francisco; (3) additional reasons why uranium minerals are believed to extend to Contrabando along a fault connection with a reported occurrence now being diamond drilled on a contract with Joy, 2 miles to the north; and (4) other pertinent data to supplement the application.

If and when all that information is received, a copy will be furnished you.

A technical reference library is not available here, but I greatly appreciate your offer to send me pertinent references so that I can send for needed information. In that connection, I am enclosing herewith some excerpts copied from a report here on the Fresno mining property near Contrabando dome, references in which you may or may not find useful. I have written for a Jeff Davis County map showing the location of the Neyland manganese property. I was unsuccessful when in Rolla last week, however, in trying to find the Valentine topog sheet which I believe includes the area of that mine.

With best personal regards, I remain

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Op. Com (2)

3770 file

C
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Y

THE WESTERN INSURANCE COMPANY
A LOCAL MUTUAL AID
ORGANIZED UNDER THE LAWS OF TEXAS
PRINCIPAL OFFICE, FT. DAVIS, TEXASS
POSTOFFICE BOX 785

RECEIVED
MAY 6 - 1955

May 1, 1955

Re: Application Docket DMEA-3770 (manganese)
Neyland Mine, Secs. 38 and 48, T. 9,
Block 59, T & P Ry Co. Survey
Jeff Davis County, Texas

Mr. Clinton C. Knox, Executive Officer
DMEA Field Team, Region IV
P.O. Box #431, Joplin, Missouri

Dear Sir:

Your letter addressed to the County Surveyor of Jeff Davis County, Fort Davis, Texas, was in my box. There has been no County Surveyor in Jeff Davis County for some years, and so mail addressed to same is usually put in my P. O. Box, as I am the only local surveyor here lately.

Replying to your question, say, that I called by last week to see Juan Navarette who had recently lost his wife, and on whose land he told me Mr. Neyland was doing the mining explorations, in fact he carried me and showed me where it was being done.

Secs. 38 and 48, Township 9, Block 59, T & P Ry Co., Jeff Davis County, Texas, are just on East Side of paved highway 118 about 12 miles south of Kent on the T & P railroad and Cardinal Highway 80, and some 12 miles west of where Highway 290 joins saidHighway 80. Said Highway 118 passes through Fort Davis and ends at Kent.

Should you come to see this mihing location, and come via Air would suggest that you leave an airplane at Marfa air base and drive from Marfa thru Fort Davis to said mine location. Should one come by railroad could leave train at Marfa, Texas, and drive to the mine location, or leave the T & P train at Kent go out. As indicated about the mine location on sec. 38 or sec. 48 is about 12 miles east of south just on east side of paved highway 118.

May I add that I would be glad to go with you to the mine location, and make no charge for my service, hence if you wish to come to Fort Davis that I might do so, write, telegraph, or phone me when you will be here, and will carry you in my auto from here.

I have Jeff Davis County map from the Land Office of Texas, and have surveyed secs. 38 and 48, therefore know where they are.

Cordially yours,
/s/ Robert C. Withers
Licensed State Land Surveyor of Texas
P O Box 785, Fort Davis, Tex

Tele Harrison 6 ,3258
Copy mining agreement enclosed

UNITED STATES
DEPARTMENT OF THE INTERIOR

~~BUREAU OF MINES~~
~~NATIONAL DEFENSE PROGRAM~~
~~P.O. BOX 431~~
~~JOPLIN, MISSOURI~~

C
O
P
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GEOLOGICAL SURVEY
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Denver Federal Center
Denver, Colorado

April 29, 1955

Mr. Clinton C. Knox, Executive Officer
DMEA Field Team, Region IV
P O. Box 431
Joplin, Missouri

Dear Clint:

We have just received the application of O. L. Nyland, DMEA Docket 3770, to work over with you. At the moment I am swamped and it will probably be at least a month before I can get on it. In the meantime, if you will let me know what city, town, or village in Texas served by scheduled air lines that will most nearly coincide with your route, I'll be able to give you a time of arrival when I phone to arrange a date.

After looking over the application, I fear we have someone on our hands who may well out-scheerer Scheerer. Incidently, thanks for keeping me posted on that deal. As soon as, and if, I can uncover any background papers on manganese in Jeff Davis County I'll send you the references. So far, USGS Bulletin 427, Manganese deposits of the United States, by E. C. Harder, 1910, is the only one I've found and I've not had a chance to look into it as I just got in from Wyoming this afternoon.

I'll get in touch with you by phone when I see a chance coming along - till then regards.

/s/ Don
Donald R. MacLaren

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

P. O. Box #431
Joplin, Missouri

April 28, 1955

Airmail

The County Surveyor
County Court House
Jeff Davis County
Fort Davis, Texas

Re: Application Docket DMEA-3770
(manganese)
Neyland Mine, Secs. 38 and 48,
T. 9, Block 59, T & P Ry. Co. Survey
Jeff Davis County, Texas

Dear Sir:

The cited application for Government financial assistance on a proposed mining exploration project by Mr. O. L. Neyland, Box 946, Del Rio, Texas, has been referred to me for a field examination of the referenced property.

Could you furnish a sketch of Jeff Davis County indicating the locations of that survey block and the pertinent section therein for our use in finding this mining property?

Any information that you might be able to furnish would be greatly appreciated.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

COPIES - DMEA Op. Com (2)
Mr. Neyland
Mr. Harshman
3770 file

COPY - DMEA Op. Com 400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON, D.C.~~

P. O. Box #431
Joplin, Missouri

April 27, 1955

Mr. O. L. Neyland
Box 946
Del Rio, Texas

Re: Application DMEA-3770 (manganese)
Neyland Mine
Jeff Davis County, Texas

Dear Mr. Neyland:

This is to acknowledge your letter of April 16 and to advise that referral of your above-cited application was received from Washington today.

The Washington Office found no information on your deposit in its files and your descriptions are insufficient to indicate the geologic target for your proposed explorations or to furnish any clues to the geologic setting of your deposit. The shipment you reported of 59 tons of amenable manganese ore to Deming appears to be of sufficient interest, however, to justify you in furnishing all the essential information, data, maps, etc., required with the application as a basis for proper appraisal and a possible Field Team examination.

I suggest, therefore, that it might be to your advantage to study your application again and to at least furnish all available supplementary information under the following items:

4-(b) Furnish copies of the settlement sheets on the ore you shipped to Deming.

-(c) Prepare copies of a map on a usable scale, e.g., 1" = 100' or 200', comprehensively showing topography, geology, all existing workings, locations where samples were taken and the assays, roads, etc., to adequately illustrate your geologic reasoning for the exploration work undertaken.

-(d) Give specific directions for reaching the property from Kent, Texas, and mention the highway numbers, or indicate on road maps.

5-(b) Indicate by sketching on the above-mentioned geologic map and on cross sections as needed, your proposed exploratory work with relations

to the geologic features as well as the existing workings. Please adequately clarify your closing paragraph of the application concerning the exact amount and tentative locations of drifting and core drilling and reflect such a break-down of your cost estimates. You do not list a core drill in the equipment purchase or rental estimates.

6-(d) It appears doubtful that the 400-foot inclined prospect tunnel you specifically proposed would justify the rental estimates for the loader, bulldozer, maintainer, four trucks, two compressors, two light plants, five drills, etc.. as listed. Evidently their proposed use could not all be construed as exploration work nor could excess in the tunnel size over 5 x 7 feet to permit use of that loader, be thus construed either.

In the event that you can furnish this information and a Field Team examination is made, and recommendations can be justified for letting of a project contract, very concise detailed cost estimates and other specifications must be agreed upon with you as a firm basis on which the Washington Office could draft any contract it might deem proper to let.

Perhaps I also should reiterate for you here that the Government's participation under D.M.E.A. project contracts is on a monthly reimbursement basis, paid only after receipt and approval of your monthly reports, cost claims, and supporting cost documentation. Also only a depreciation allowance, generally on the basis of 20 percent of the value per year, could be claimed for the use of your equipment, prorated to the exact time required on the explorations. Under item 7 (b) you have indicated that you would furnish the equipment but apparently rental rates are used in your cost estimates instead of the limited depreciation allowable.

I will be pleased to receive the above-mentioned information or any question that you may wish to ask. In the meantime I will contact the Geological Survey Office in Denver to determine if it deems a geological examination advisable and if and when it will assign one of its geologists as the Survey Member of the Field Team for the proposed examination. I am expecting soon to receive referrals on at least two other applications on properties in southwest Texas, so perhaps all those examinations can be made in the one trip by the Field Team. However, my schedule is very tightly filled from May 15 to July 1.

With the earnest desire that the foregoing suggestions may be of some assistance to you, I remain,

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Op. Com (2)
Mr. Harshman, U.S.G.S. Denver/
w encl.
3770 file

APR 25 1955

Mr. O. L. Hayland
P. O. Box [illegible]
Del Rio, Texas

Re: Docket No. DMEA 3770 - Manganese
Hayland mine
Jeff Davis County, Texas

Dear Mr. Hayland:

The above docketed application for exploration assistance for manganese ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Clinton C. Snow, Executive Officer, DMEA Field Team, Region IV, P. O. Box 1431, Joplin, Missouri for a field examination of the property.

Any assistance that you can give the members of the Field Team will be appreciated.

Sincerely yours,

D. C. Mitterdorf

Administrator

TLChapman:fec
4-22-55
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. IV
Gilbert DeHoff, USBM
Thor H. Kiilsgaard, USGS

400

APR 25 1955

Mr. Clinton C. Hunt, Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA 3770 - Manganese
Hayland mine
O. L. Hayland
Jeff Davis County, Texas

Dear Mr. Hunt:

The above docketed application for exploration assistance is being referred to your office for a field examination.

Two copies of a relevant memorandum dated April 20, 1955, by Louis Pavlides, Geological Survey, are enclosed for your information.

Sincerely yours,

George T. Sullivan

Chairman, Operating Committee

Enclosure

TLChapman:fec
4-22-55
cc to: Docket
Code 400 ✓
Adm. Reading File
Operating Comm.
FT. REG. IV
Gilbert DeHaff, USBM
Thor N. Kiilsgaard, USGS

APPROVED:

J. H. Hedges

Member, Bureau of Mines

Thor N. Kiilsgaard

Member, Geological Survey

IN REPLY REFER TO:

400

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 21 1955

April 20, 1955

Memorandum

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

From: Louis Pavlides, U. S. Geological Survey

Subject: DMEA docket No. 3770 - Manganese
Orlando Meyland
Jeff Davis County, Texas

The subject application proposes to explore a manganese property in Jeff Davis County in the amount of $145,237. The only specific proposal made in the application is to drive a 400 foot tunnel into the side of a mountain (item 5b) presumably to intercept the ore. The last page of the continuation sheets of the application (p. 4) suggests that the applicant may be considering core drilling as well as drifts, although core drilling does not appear as an item in his cost estimates.

There is no information in the Survey files on this deposit and the applicant has not furnished a description sufficiently adequate to permit appraising its geologic setting. Nonetheless, the average grade of 35 percent Mn for the 59 tons of amenable ore reported as shipped to Deming makes this deposit of some interest and may warrant a field team examination. However, the application as submitted lacks the essential information necessary for a proper appraisal prior to field team referral. It is recommended that prior to any consideration for a field team examination the applicant be requested to supply the following information:

1. A more specific explanation of the proposed exploration program; namely, is it actually limited to one 400' tunnel or does he also plan on drilling? If drilling is contemplated the statement as to obtaining water from wells (item 4 e) should be clarified. Are these wells now present on the property or must they be dug as part of the exploration program?

2. Supply a map at a usable scale, e.g., 1" = 200' showing topography, geology, location of trenches, pits and adits now on the property and outline his proposed exploration.

Copy retained 200

3. A copy of the settlement sheets from Deming documenting the grade, amenability and production cited by the applicant.

Louis Pavlides

Copy to: DMEA (3)

400

DOCKET
Surname:
Hoff
Chapman
DeHuff
Neyland
Nelson
Sechrest
Selfridge
Kilsgaard

SEP 19 1955

Mr. O. L. Neyland
P. O. Box 946
Del Rio, Texas

Re: Docket No. DMEA 3770-Manganese
Neyland Mine
Jeff Davis County, Texas

Dear Mr. Neyland:

Your application for aid for an exploration project and other data available to us in Washington relative to the above property have been carefully reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of our information indicates that although manganese mineralization occurs on the property, the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied. Such denial, however, is made without prejudice. In the event further work on your part discloses new and more favorable evidence of ore deposition on the property, we shall be pleased to consider a new application, amply supported by geologic mapping, sampling, and assaying.

We wish to thank you for your interest in the Defense Minerals Exploration Administration program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
Code 400
Adm. Read. File
Oper. Comm.
Thor Kiilsgaard, USGS
Gilbert DeHuff, USBM
Field Team, Region 4

SPHolt/ls
8/31/55

R.C.B.

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

September 14, 1955

Memorandum

To: W. S. Martin, DMEA

From: G. L. DeHuff, Jr., Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: DMEA-3770. Manganese. Neyland Mine

The Field Team has recommended denial of subject application for aid to explore for manganese applicant's leased claims located in Jeff Davis County, Texas. Total cost of the project was estimated by applicant to be $145,237.

The application states that this is a new mine with no past production. Applicant has driven two tunnels about 600 feet apart, totalling approximately 400 feet in length, and made two shallow cuts in the hillside. Bureau of Mines statistics show that in late 1954 and early 1955 O. L. Neyland shipped 39 tons to the GSA depot at Deming. The ~~three~~ shipments contained from 30 to 35 percent manganese. Applicant states that they were "lump ore that has been picked up". He proposed exploration "to drive further into the mountain" and "to do core drilling to confern (sic) the places for the tunnels".

At the time of the field examination a more specific project was suggested by the examiner to which applicant finally agreed. However, he has not supplied an acceptable map, copies of settlement sheets, details as to the new project proposal and revised realistic cost estimates, all of which have been requested of him.

In view of the time which has elapsed since these requests were made, the high silica content of samples taken in and about the workings, and the believed poor chances for finding a significant deposit of manganese, the Field Team has recommended denial of the application. Doubts as to applicant's competency to formulate and conduct a satisfactory exploration project, and unanswered questions as to Owner's Consent to Lien and/or other guaranties with respect to the claims, also contributed to the decision.

I am in agreement with the recommendation for denial.

G. L. DeHuff, Jr.

Copy retained 400

September 14, 1955

Memorandum

To: W. S. Martin, DMEA

From: G. L. DeHaff, Jr., Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: DMEA-3770. Manganese. Neyland Mine

The Field Team has recommended denial of subject application for aid to explore for manganese applicant's leased claims located in Jeff Davis County, Texas. Total cost of the project was estimated by applicant to be $145,237.

The application states that this is a new mine with no past production. Applicant has driven two tunnels about 600 feet apart, totalling approximately 400 feet in length, and made two shallow cuts in the hillside. Bureau of Mines statistics show that in late 1954 and early 1955 O. L. Neyland shipped 39 tons to the GSA depot at Deming. The ~~three~~ shipments contained from 30 to 35 percent manganese. Applicant states that they were "lump ore that has been picked up". He proposed exploration "to drive further into the mountain" and "to do core drilling to confern (sic) the places for the tunnels".

At the time of the field examination a more specific project was suggested by the examiner to which applicant finally agreed. However, he has not supplied an acceptable map, copies of settlement sheets, details as to the new project proposal and revised realistic cost estimates, all of which have been requested of him.

In view of the time which has elapsed since these requests were made, the high silica content of samples taken in and about the workings, and the believed poor chances for finding a significant deposit of manganese, the Field Team has recommended denial of the application. Doubts as to applicant's competency to formulate and conduct a satisfactory exploration project, and unanswered questions as to Owner's Consent to Lien and/or other guaranties with respect to the claims, also contributed to the decision.

I am in agreement with the recommendation for denial.

G. L. DeHaff, Jr.

September 14, 1955

Memorandum

To: W. S. Martin, DMEA

From: G. L. Belhaff, Jr., Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: DMEA-3770. Manganese. Nayland Mine

The Field Team has recommended denial of subject application for aid to explore for manganese applicant's leased claims located in Jeff Davis County, Texas. Total cost of the project was estimated by applicant to be $145,237.

The application states that this is a new mine with no past production. Applicant has driven two tunnels about 600 feet apart, totalling approximately 400 feet in length, and made two shallow cuts in the hillside. Bureau of Mines statistics show that in late 1954 and early 1955 O. L. Nayland shipped 39 tons to the GSA depot at Deming. The three shipments contained from 30 to 35 percent manganese. Applicant states that they were "lump ore that has been picked up". He proposed exploration "to drive further into the mountain" and "to do core drilling to confern (sic) the places for the tunnels".

GKD

At the time of the field examination a more specific project was suggested by the examiner to which applicant finally agreed. However, he has not supplied an acceptable map, copies of settlement sheets, details as to the new project proposal and revised realistic cost estimates, all of which have been requested of him.

In view of the time which has elapsed since these requests were made, the high silica content of samples taken in and about the workings, and the believed poor chances for finding a significant deposit of manganese, the Field Team has recommended denial of the application. Doubts as to applicant's competency to formulate and conduct a satisfactory exploration project, and unanswered questions as to Owner's Consent to Lien and/or other guarantees with respect to the claims, also contributed to the decision.

I am in agreement with the recommendation for denial.

G. L. Belhaff, Jr.

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

September 2, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $145,237.00
Docket No. DMEA 3770 - Manganese
O. L. Neyland
Neyland mine
Jeff Davis County, Texas

The denial of the subject application is recommended by this Division based on the following information:

1. The applicant, O. L. Neyland, P. O. Box 946, Del Rio, Texas, requested exploration assistance in the amount of $145,237.00 for drifting and crosscutting in the Neyland mine.

2. The applicant controls by lease from Juan Neverette, the owner, Survey No. 47, by lease (?) from Cecil Geaslin, Mineral Awards to Canyon Nos. 1 and 2 claims, in Sections 38 and 48, and by Mineral Awards from the State of Texas to O. L. Neyland, Claims Nos. 1, 2, and 3 to 25 inclusive, recorded in Book "J", pages 20 and 102 to 125 inclusive of the records of Jeff Davis County, Texas. All above awards and claims are located in Block 59, Township 5, T. & P. Ry. Co. Survey, Jeff Davis County, Texas.

3. The proposed program is to explore the property by driving a level or slightly inclined tunnel of unstated length, with crosscuts, also of indefinite length, and core drilling where needed.

4. Although scattered mineralization with manganese is found over the area proposed to be explored, and applicant, after building 3 miles of road, has driven two tunnels, 300 and 150 feet long, with a small stope, a raise and a winze from the first tunnel, also two small surface cuts, and shipped two small lots of manganese ore, reported to have had a total weight of 59.23 tons, and to have assayed 37.1 and 36.0 percent manganese, little evidence is furnished by the applicant to indicate that minable deposits of manganese ore might be discovered by work done under his vague and indefinite exploration proposal.

5. The Field Team concludes that there is little probability of making a significant discovery, and recommends denial. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in this recommendation.

6. If the applicant furnished detailed cost estimates for a more practical alternative exploration program suggested by the Field Team, together with other data and maps requested and needed for a proper appraisal of the application and formulation of project plans, a new application for exploration assistance would be in order.

Thos. L. Chapman

T. L. Chapman, Acting Chief
Iron and Ferro-Alloys Division

DOCKET
SURNAME
400 Holt
Chapman
Dechoff

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $145,237.00
Docket No. DMEA 3770 - Manganese
O. L. Mayland
Mayland mine
Jeff Davis County, Texas

The denial of the subject application is recommended by this Division based on the following information:

1. The applicant, O. L. Mayland, P. O. Box 946, Del Rio, Texas, requested exploration assistance in the amount of $145,237.00 for drifting and crosscutting in the Mayland mine.

2. The applicant controls by lease from Juan Maverette, the owner, Survey No. 47, by lease (?) from Cecil Gamalin, Mineral Awards to Canyon Nos. 1 and 2 claims, in Sections 38 and 48, and by Mineral Awards from the State of Texas to O. L. Mayland, Claims Nos. 1, 2, and 3 to 25 inclusive, recorded in Book "J", pages 20 and 102 to 125 inclusive of the records of Jeff Davis County, Texas. All above awards and claims are located in Block 59, Township 5, T. & P. Ry. Co. Survey, Jeff Davis County, Texas.

3. The proposed program is to explore the property by driving a level or slightly inclined tunnel of unstated length, with crosscuts, also of indefinite length, and core drilling where needed.

4. Although scattered mineralization with manganese is found over the area proposed to be explored, and applicant, after building 3 miles of road, has driven two tunnels, 300 and 150 feet long, with a small stope, a raise and a winze from the first tunnel, also two small surface cuts, and shipped two small lots of manganese ore, reported to have had a total weight of 59.23 tons, and to have assayed 37.1 and 36.0 percent manganese, little evidence is furnished by the applicant to indicate that minable deposits of manganese ore might be discovered by work done under his vague and indefinite exploration proposal.

5. The Field Team concludes that there is little probability of making a significant discovery, and recommends denial. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in this recommendation.

6. If the applicant furnished detailed cost estimates for a more practical alternative exploration program suggested by the Field Team, together with other data and maps requested and needed for a proper appraisal of the application and formulation of project plans, a new application for exploration assistance would be in order.

T. L. Chapman, Acting Chief
Iron and Ferro-Alloys Division

8/1/55
cc to: Docket
Code 400
Adm. Read. File
Operating Comm.

Docket

IN REPLY REFER TO:

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

RECEIVED
SEP - 6 1955

September 1, 1955

Copy retained 400

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Field Examination Report, DMEA Docket No. 3770 (Manganese), O. L. Neyland, Neyland Mine, Jeff Davis County, Texas.

The report of field examination of the Neyland mine recommends that the application be denied. The recommendation appears to be based more upon the delinquency of the applicant in submitting a feasible exploration program and other physical data than upon unfavorable geologic criteria.

However, I have visited the general area under consideration and agree with the examining team that the possibilities for discovering large tonnages of acceptable-grade manganese deposits are poor. The picked sample taken by the examining team does not meet carload lot purchasing specifications. I concur with the recommendation that the application be denied.

WWilliams

W. P. Williams

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

[redacted]

P. O. Box #431
Joplin, Missouri

August 24, 1955

Memorandum

To: DMEA Operating Committee, Department of the Interior, Wash. 25, D. C.

From: Clinton Knox, Region IV Field Team Executive, Joplin, Mo.

Subject: Field Team Report
Application Docket DMEA-3770 (manganese)
O. L. Neyland, Box 946, Del Rio, Texas
#145,237 exploration project proposal
Neyland mine, Jeff Davis County, Texas

Introduction, summary, and conclusions:

The Neyland manganese property includes a lease on section 47 and State Mineral Awards on 28 claims in sections 38 and 48, all located in Township 9, Block 59, T. & P. Railroad Co., Survey, along the east side of State Highway 118, approximately 12 miles south of Kent, Texas. Accompanied by the Applicant, the Field Team's examination of his property and mine workings was made in June, 1955, by Donald MacLaren, Geologist, U.S.G.S., Denver, whose report is appended hereto.

In his July 12 letter transmitting the report to me, he indicated some doubt that a significant manganese ore deposit could be found on the Applicant's property, but felt that the making of firm conclusions or recommendations should await receipt of: (1) analyses by the Bureau of Mines, Rolla, Missouri, of the sample he selected of the best-appearing manganese bearing material; (2) copies of settlement sheets requested from the Applicant for some 59 tons of ore reportedly shipped to Deming; (3) the practical project proposal and realistic cost estimate in detail requested from the Applicant; and (4) an acceptable map from the Applicant showing the data required for a proper appraisal of the application and formulation of project plans.

Reviewed by
DMEA OPERATING COMMITTEE
9-2-55
(date)

The Bureau of Mines reported that MacLaren's selected sample contained about 36 percent silica but only 25 percent manganese. None of the essential data requested from the Applicant in my April 27 letter, in MacLaren's personal interview at the property, and in his June 16 letter, have been received.

I concur with MacLaren's findings on this field examination.

Recommendations:

The faint possibility exists that a manganese bearing deposit might be found on the subject property that eventually may prove amenable to one of the manganese extraction processes on which research now is underway. I recommend that the application in its present form be denied, however, in view of the considerable time which has elapsed without any response from the Applicant to the requests for essential data, and on the grounds that a realistic project proposal has not been presented, nor has the Applicant displayed engineering and geologic competency to formulate or conduct such an exploration project. Also, the Applicant has not indicated whether Owners' Consent to Lien and/or other suitable guaranties could be furnished the Government in the event that an exploration project contract is offered.

Suggested alternative or preferred exploration method:

In MacLaren's July 12 letter transmitting his geologic report to me, he also made reference to the Applicant's project proposal and his suggested alternative which appeared practical and reasonable to me, quoted as follows:

> "As for his program, he didn't seem to have much idea about what he wanted to do, but rather expected me to tell him how to find 'a large ore body in the core of the hill'. He finally decided to accept the suggestion that he start a new tunnel on the lower road (dashed on my sketch) in, or along, the edge of a vesicular zone that appears to be between a dike and the intruded ash beds; to continue the road to cut No. 2 and start a tunnel there. The tunnels are to go 200 feet and allowance is to be made for a maximum of 100 feet of crosscutting and/or raising at locations to be determined later. This depends, of course, on the acceptability of his ore, silica-wise. He has had a survey made and was to have a map made up and forward it, but that too has not come in".

Evidently the Applicant's mind changed, because he has never furnished the map, his detailed plans for this practical appearing suggested alternative project proposal, nor any realistic cost estimates, so I consider that a notice of denial should be issued now.

MacLaren's geologic report and sketch map (Figure 1) is appended here.

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

Enclosures

cc: DMEA Op. Com. (3)
MacLaren, USGS, Denver
3770 file

RECEIVED
MINERALS TECHNOLOGY
DIVISION
JUL 14 1955
BUREAU OF MINES
JOPLIN, MO.

RECEIVED
AUG 23 1955

DMEA Docket 3770

GEOLOGY

The rocks in the northern part of the Davis Mountains are Cretaceous sediments that have been buried under a series of volcanic flows, tuffs, and breccias. The only rocks exposed at the Neyland mine are those of the volcanic series. The mine is on the steeply sloping northeast side of a ridge that strikes southeasterly. Ascending from the bed of a dry stream the rock sequence is about 150 to 200 feet of tuff and ash, 150 feet of breccia and lava, 100 feet or more of tuff, and 50 to 100 feet of lava to the top of the ridge. All the members of the series strike N. 65° to 70° W. and dip about 5° SW. About 40 feet southeast of cut No. 3, figure 1, a vertically dipping sheeted zone 20 to 30 feet wide strikes N. 25° to 30° E. This zone cuts the volcanic series and is probably a dike of porphyritic syenite or andesite. No manganese was found in the dike, but between the dike and the tuff and ash, as well as along the base of the first lava, is a vesicular zone several feet thick that contains many small stringers and lenses of hard, siliceous manganese and small amounts of rhodonite. In cuts along a road that leads to the workings some of the exposed tuff contained blebs and stains of black manganese oxide. The mine workings comprise two tunnels, about 600 feet apart laterally, and two shallow cuts into the hill side.

Insert correct figure number

Tunnel No. 1 (figure 1) is about 300 feet long, including the open cut from which it is collared, and is driven along the contact between tuff and silicified ash or breccia. Just inside the portal a

Insert correct figure number

Reviewed by
DMEA OPERATING COMMITTEE
9-2-55
(date)

stope, roughly resembling an inverted cone in shape, extends to the surface. From the tunnel floor to the surface the walls of the stope contain patches that are laced with small irregular stringers of hard black manganese oxide up to an inch wide and a foot long. Similar patches and areas occur along the back and sides of the drift above the tuff-breccia contact. In the tuff, manganese occurs as small scattered nodules and as stains and coatings along joints and disseminated in the rock. About 90 feet from the portal of the tunnel a raise has been driven to a height of about 18 feet above the floor of the drift. In the raise, manganese occurs in the same manner as in the back and sides of the drift. About 200 feet from the portal of the tunnel a winze has been sunk to a depth of about 15 feet. No manganese was found in the winze.

About 600 feet northwesterly from tunnel No. 1 and about 60 feet stratigraphically lower, tunnel No. 4 is about 150 feet long, including the open cut from which it is collared, and is driven entirely within the tuff. Manganese occurs in scattered stains and nodules and to a less extent as small stringers in the drift back and along the walls.

Two small open-cuts, Nos. 3 and 2, about 100 and 400 feet, respectively, southeasterly from tunnel No. 1, are in tuff very near the overlying breccia. Cut No. 3 is within about 35 feet of the dike previously mentioned. The breast of each open-cut contains small lenses and pods of hard black manganese, some of the lenses being as much as 6 inches thick and over a foot long.

Ten samples taken by the applicant and assayed by Dickenson Laboratories of El Paso gave the following results:

Map No.	% SiO_2	% Mn	% Fe	Description of sample
1	7.80	49.42	3.55	Chip from opencut at tunnel No. 1.
2	23.00	40.70	4.21	Chip from outcrop, 80 ft. above tunnel No. 1.
3	8.10	50.39	2.83	Chip from outcrop, 70 ft. above sample No. 2.
4	18.10	43.42	2.76	Chip from opencut at tunnel No. 4.
5	16.10	45.67	1.58	Bulk from opencut at tunnel No. 4.
6.	29.70	26.59	3.51	Bulk from opencut at tunnel No. 4.
7	33.80	25.07	2.06	Chip across face, No. 2 opencut.
8	36.10	32.68	2.54	Bulk from tunnel No. 1.
9	30.65	30.65	2.41	Bulk from tunnel No. 4.
10	35.80	33.33	3.23	Bulk from opencut No. 3.
	23.92	37.79	2.87	Unweighted average of 10 samples.

All material from the tunnels and opencuts that "looked like it might be ore" to the applicant was taken to a stock pile near the base of the hill. Two bulk samples of this material were sampled by the applicant and assayed:

				Al_2O_3	
1	10.50	43.12	1.50	0.15	
2	13.70	45.36	1.65	0.20	
	12.10	44.24	1.57	0.17	Unweighted average of 2 samples.

A selected and carefully hand-cobbed sample of the hard black manganese was taken by the examiner to determine the highest grade material that could be hand separated and was assayed by the Bureau of Mines.

Sample No. 1 This sample contained 35.73 SiO_2, ~~and~~ 1.90 % Fe, and 24.91 % Mn

OFFICE OF THE ADMINISTRATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D. C.

400

Mn

WSM

Defense Minerals Exploration Administration

July 12, 1955

3770 - Mn
Neyland file

Mr. Clinton G. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Through: E. N. Harshman E.N.H.

Re: Geologic reports for
Dockets 3770 and 3776

Dear Clint:

Enclosed are the original and three copies of my geologic reports on Contrabando Dome (Docket 3776), and Neyland Manganese (3770). I hope to have Adobe Walls (3786) on the way in a few days. Illustrations to accompany the enclosed reports are being draughted and have been promised for next Thursday.

In the case of the Neyland report, I don't feel justified in making a firm conclusion or recommendation until we get the settlement sheets for the shipments of ore that have already been made, because of the high silica assays from the samples taken in and around the workings. Two samples Neyland took from his stockpile are below the maximum of 15% acceptable but they average 12.1% which suggests that they might have been too carefully selected. In spite of your letter to him requesting copies of the settlement sheets, he did not have them with him when we met in the field and, in spite of my urging him to get them to us, he still has not come through. Geologically, there appears to be a chance of finding a fair tonnage of manganese bearing material but if the silica content is going to be too high I feel that denial should be recommended. As for his program, he didn't seem to have much idea about what he wanted to do, but rather expected me to tell him how to find "a large ore body in the core of the hill". He finally decided to accept the suggestion that he start a new tunnel on the lower road (dashed on my sketch) in, or along, the edge of a vesicular zone that appears to be between a dike and the intruded ash beds; to continue the road to cut No. 2 and start a tunnel there. The tunnels are to go 200 feet, and allowance is to be made for a maximum of 100 feet of cross-

cutting and/or raising at locations to be determined later. This depends, of course, on the acceptability of his ore, silica-wise. He has had a survey made and was to have a map made up and forward it, but that too has not come in. I sketched by tape and compass the two tunnels and that portion of the road from tunnel No. 4 to about 150 feet or so southeast of tunnel No. 1. The location of cut No. 2 and the lower road are estimated and can be spotted on his map if he will only send it in. Incidentally, I pulled a boner, after looking up the Texas vara, and converted on the basis of 33.33 feet instead of inches. This resulted in part of my sketch falling dangerously near an outside claim boundary. Mayland gave me a distance of 540 feet from the No. 4 portal to the section corner. I began to wonder if he had confused the No. 540 (shown on his claim map in varas) with the number 540 (in feet) which he gave me. I wrote him a letter urging him to get his map in, and sent you a copy for your files. Apparently a copy of that letter was forwarded to Washington as Selfridge sent me a wire and straightened me out on the vara-feet ratio. The map you will receive is corrected accordingly, but I still don't know for sure that the section corner-tunnel 4 tie-in is correct. On the question of costs, I couldn't get to first base with Mayland. He said his figures were based on the cost of the work already performed, but when I insisted that $15,600 for gas, oil, and water and $10,400 for dynamite and powder seemed extremely excessive, he said, "I guess my accountant made a mistake." Also, he insists a 5 x 7 tunnel will cost much more than the more or less 10 x 12 hole he has made (to accomodate a 1 ton scoop), principally on the grounds of timbering and track costs. However, he agreed to check his estimated cost figures and make them more realistic, but so far I have heard nothing more. So much for Bachet 3770.

At Contrabando Bonn there is evidence that mercury bearing solutions came up along at least three faults, and small specks of cinnabar associated with calcite were observed in one igneous dike in section 109 on the applicant's property and at two dikes in section 108, north of the property to be explored. The two best host rocks in the main Terlingua district, the Georgetown and the Buda limestones, are inferred to be present within 600 feet of the surface. However, evidence of the existence of an ore body to be explored is lacking. Therefore, I have picked six sites that appear to me to be most promising and have suggested an approach by stages in the hopes of doing a minimum amount of dead work at those sites that do not lead to ore. In the event that ore is discovered at certain sites, I have added three more sites that might be considered favorable. Thus, if acceptable to you and then to DMEA, a contract can be set up that will provide for considerable drilling, but DMEA will not be obligated to drill more than six holes unless some or all of those holes indicate a favorable area. I feel that this cautious approach is advisable because of the distance of the Contrabando Bonn from the best mines so far known, and because of the wildcat nature

of the undertaking. The question of costs and whether cable drilling is more suitable than diamond drilling I leave to you. One thing I know and that is that the applicants are going to be very unhappy at the recommended reduced program, but I can not justify recommending anything more than I have. Incidentally, the same situation exists at Kinke Mills. The proposed program appears to me to be difficult to justify on the basis of what I saw. I think some drilling is justified, but certainly not all that proposed by the applicants.

I am sorry these reports were not awaiting your return but they have been "stinkers" to work out without being unfair one way or another. I have indicated the sample number in pencil on the margin of the pages on which reference is made to assays. Please fill in the gaps. I am also enclosing a smaller photostat of Contrabando Bone that Mr. Fry gave me, along with a copy of Wilson's report for which it was made, and photostats of assay returns which Mr. Hayland gave me.

Sorry to miss your visit through here, and even sorrier you didn't drop by on the way home as I am sure we could spend at least a half day in profitable discussion of the three projects.

Sincerely yours,

Don

Donald R. MacLaren

DRMacLaren:dr

Encloseures

bc: DMEA Operating Committee (2)
Kiilsgaard
File

DOCKET
Surname:
Chapman
Martin
Hedges
Kilsgaard
Selfridge
Yeman
Wittenberg

JUN 27 1955

Interior Department
Defense Minerals Exploration Administration
14X4401(01) Revolving Fund, Defense Production Act, Interior (Allocated Working Fund to the Office of the Secy.)

TELEGRAM

[redacted]

Mr. Donald R. McLaren
Geological Survey
Building 25, Denver Federal Center
Denver, Colorado

Reurlet June 16 to O. L. Neyland, Docket DMEA 3770, Manganese. Please note that 540 Texas varas at thirty-three and one-third inches each equals 1500 feet. Claim dimensions on map are in varas.

George C. Selfridge

Chairman, Operating Committee
Defense Minerals Exploration Administration

cc: Docket
Adm. Read. File
Code 400
Operating Committee
Thor Kiilsgaard, USGS
Gilbert DeHuff, USBM
Confirmation - Mr. McLaren, Denver

WSMartin/ls
6/27/55

R.C.H.

COPY - DMEA Operating Committee
C. C. Knox

Docket

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

RECEIVED
JUN 22 1955

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Copy retained 400

June 16, 1955

Mr. O. L. Neyland
P. O. Box 946
Del Rio, Texas

Mn
Jeff Davis Cy, Tex.

Dear Mr. Neyland: Re: DMEA Docket 3770

I have just finished combining the claim map you gave me and the sketch I made of the workings and part of the road. To tie in Tunnel No. 4 with the corner post common to Surveys 37, 38, 47, and 48, I used the distance 540 feet and bearing of due west, which you gave me. This places the present portal of Tunnel No. 1 in Survey 47, about 20 feet west of the west boundary of claim No. 4; cut No. 2 is on claim No. 8, about 150 feet from the west end line; and the proposed tunnel site on the lower road is dangerously close to the northeast side line of the diagonal claim (not numbered) in Survey 48. It occurs to me that when you said Tunnel No. 4 is "540 feet due west" of the Survey corner post that you were confusing that distance with the length of the staked claims which in most cases is also 540 feet. If "540 feet due west" is correct and my survey is off a few feet - which it may well be as it was made with a cloth tape and compass - part of the lower road and the proposed portal site may be northeast of the diagonal claim in Survey 48 and off your property.

It is, therefore, necessary that you have your surveyor prepare a sketch of his survey and send me a copy before I can complete my report. If he will show: (1) the existing road for Tunnel No. 1 to the proposed tunnelsite on the lower road; (2) the proposed new road for Tunnel No. 1 to the site of the second proposed tunnel; and (3) the location of the corner post common to Surveys 37, 38, 47, and 48, I can supply the balanae of the finished map from my notes. Be sure he indicates on his sketch the scale (1" = 100' or 1" = 200' will be the most satisfactory) and an arrow indicating true north. If he shows the survey boundary lines, the arrow will not be necessary.

Very truly yours,

Donald R. McLaren

DRMacLaren:arh
Copy to Knox

COPY - DMEA Operating Committee
Washington, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Docket

C
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~~WASHINGTON 25, D.C.~~
GEOLOGICAL SURVEY
DENVER FEDERAL CENTER
DENVER, COLORADO

3770

May 23, 1955

Mr. O. L. Neyland
P. O. Box 946
Del Rio, Texas

Dear Mr. Neyland:

I have been requested to make a geologic examination of the Neyland mine for the Defense Minerals Exploration Administration. I expect to fly to Alpine, Texas, on Monday June 6, 1955, arriving late in the afternoon, will pick up a car there, and will make the examination Tuesday, June 7. Will you please advise me where you or your representative will meet me. I will stop Monday night, June 6, at the Holland Hotel in Alpine and can meet you there, or if you prefer, at some place along the Alpine-Kent road on Tuesday, June 7.

Sincerely yours,

/s/ Donald R. MacLaren
Donald R. MacLaren

Copy to: C C Knox

DRMacLaren;arh

Docket

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

P. O. Box #431
Joplin, Missouri

Copy retained here

May 5, 1955

WSM

Mr. Robert C. Withers
Licensed State Land Surveyor of Texas
Box 785
Fort Davis, Texas

Re: DMEA-3770 (manganese)
Application on Neyland mine
Jeff Davis County, Texas

Dear Mr. Withers:

This is to express my deepest appreciation for the information and your kind offer of assistance in your May 1 letter to me. Whenever I can schedule the trip to that region, however, I will try to arrange for Mr. Neyland to meet me for the examination of his mining property. After that, when I will be on my way to the Terlingua district, perhaps I can meet and visit with you briefly in Fort Davis, and see your map.

I am somewhat familiar with the country south from Marfa and Alpine and have come by plane to the Marfa Air Base on previous occasions during the past three years.

I am returning herewith your copy of the mining lease agreement since Mr. Neyland also furnished us a copy. Thanks for your thoughtfulness.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Cp. Com. (2)
3370 file

COPY - DMEA Operating Committee

Docket

C
O
P
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O. L. NEYLAND
GENERAL CONTRACTOR
P O. Box 946
DEL RIO. TEXAS

May 3, 1955

WSM

United States Department of the Interior
P. O. Box 431
Joplin, Missouri

Copy retained 400

Att'n: Mr. Clinton C. Knox
Executive Officer

Re: Application No. DMEA-3770

Dear Sir:

I am enclosing an official road map of the State of Texas for 1955, outlining the approximate location, showing the location of the manganese prospect. Mr. Benno Ahrens lives in Kent, Texas, and will guide you to the property, stop at the filling station in Kent and ask for Mr. Ahrens. Also I will be glad to meet you at Kent, Texas, at any time.

Very truly yours,

/s/ O. L. Neyland

Encl
OLN/wc

COPY DMEA Operating Committee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

P. O. Box #431
Joplin, Missouri

Docketed

RECEIVED
MAY 6 - 1955

May 3, 1955

Airmail

Mr. Donald R. MacLaren, Geologist
U.S. Geological Survey
Denver Federal Center, Bldg. 25
Denver 6, Colorado

Re: DMEA-3770 (Manganese)
O. L. Neyland application
Jeff Davis County, Texas

Dear Don:

Thanks for your letter of April 29. I am glad to know that I am not the only one who is swamped. Perhaps by this time you have seen my May 2 letter addressed to Mr. Harshman - I thought you might be away from Denver. The three anticipated field referrals mentioned therein may require as much as a week to ten days on examination trips in the Big Bend country. I am striving, however, to clear the deck for a needed vacation which has been approved from June 4 to July 4. Robert Laurence from the Knoxville office and I tentatively have scheduled a joint examination at Fredericktown, Missouri, for the week of May 16. Our report thereon, along with the several others I have in the mill, should be completed before I leave on vacation. Therefore it does not appear likely that I could spend the time that may be required in southwest Texas until in July. Perhaps the additional data requested from Mr. Neyland will not be made available before then anyhow.

Whenever you decide that the time is ripe for those Texas examinations, I suggest traveling via Trans-Texas Airline from El Paso to Marfa-Alpine airport which is about midway between Marfa and Alpine. I tentatively had planned to arrive there from Dallas on that same airline. When I was last there, taxi service was offered by the mail carrier to Alpine for $2.00. I have found that the Holland Hotel in Alpine generally is the most convenient place to stay, particularly when going to the Terlingua mercury district. I believe a car could be rented from Casner's Garage, a block west of the Hotel.

My boss has requested, however, that I drive a Bureau car down there to save on travel expenses which would make quite a journey to undertake during the limited time I might have available this month, but would be more convenient for us if I got it to Alpine. In that case I would drive through Tulsa, Oklahoma City, Wichita Falls, San Angelo, Ft. Stockton, and Ft. Davis, and if you prefer, could pick you up at any of those points as I did at the Tulsa airport last winter.

There is some liklihood that essential data requested from the applicant for the above-mentioned Federicktown examination might not be made available to Mr. Laurence and I in time to fully justify that previously scheduled joint examination. In that case I would favor postponing it if you and I could arrange making these Texas examinations together during the last half of this month. Although joint examinations undoubtedly would be preferable, please do not delay yours on my account. As soon as possible, I will suggest a more definite time when I could accompany you. I will be pleased, however, to hear that you have arranged to make whatever examinations may be required of your office, independently, at any time your chance comes along.

Mr. George Fry of Big Bend Mining, Inc., Abilene, Texas, just telephoned to inquire about the Field Team's plans for examining the Contrabando dome property. I explained about our well-filled schedule and the advisability of making all three examinations on a single trip, also that it was preferable that I try to arrange for you to appraise the geological aspects. I also promised to advise him as soon as I could set a tentative data, and told him there was a possibility that you or some other geologist might contact him directly to arrange for the geological part of the examination with him before I could be there.

He said that under the lease, exploration by Big Bend Mining should get underway in 90 days. Some prospecting has been continued and a dozen samples of the mercury-bearing igneous rock exposures at Contrabando had been submitted for analyses today. As soon as possible he would submit:

> (1) Copies of those analyses; (2) information on amenability of that rock for furnacing just received from consultations and tests by Gould in San Francisco; (3) additional reasons why uranium minerals are believed to extend to Contrabando along a fault connection with a reported occurrence now being diamond drilled on a contract with Joy, 2 miles to the north; and (4) other pertinent data to supplement the application.

If and when all that information is received, a copy will be funished you.

A technical reference library is not available here, but I greatly appreciate your offer to send me pertinent references so that I can send for needed information. In that connection, I am enclosing herewith some excerpts copied from a report here on the Fresno mining property near Contrabando dome, references in which you may or may not find useful. I have written for a Jeff Davis County map showing the location of the Neyland manganese property. I was unsuccessful when in Rolla last week, however, in trying to find the Valentine topog sheet which I believe includes the area of that mine.

With best personal regards, I remain

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Op. Com (2)

3770 file

C
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Y

THE WESTERN INSURANCE COMPANY
A LOCAL MUTUAL AID
ORGANIZED UNDER THE LAWS OF TEXAS
PRINCIPAL OFFICE, FT. DAVIS, TEXASS
POSTOFFICE BOX 785

RECEIVED
MAY 6 1955

May 1, 1955

Re: Application Docket DMEA-3770 (manganese)
Neyland Mine, Secs. 38 and 48, T. 9,
Block 59, T & P Ry Co. Survey
Jeff Davis County, Texas

Mr. Clinton C. Knox, Executive Officer
DMEA Field Team, Region IV
P.O. Box #431, Joplin, Missouri

Dear Sir:

Your letter addressed to the County Surveyor of Jeff Davis County, Fort Davis, Texas, was in my box. There has been no County Surveyor in Jeff Davis County for some years, and so mail addressed to same is usually put in my P. O. Box, as I am the only local surveyor here lately.

Replying to your question, say, that I called by last week to see Juan Navarette who had recently lost his wife, and on whose land he told me Mr. Neyland was doing the mining explorations, in fact he carried me and showed me where it was being done.

Secs. 38 and 48, Township 9, Block 59, T & P Ry Co., Jeff Davis County, Texas, are just on East Side of paved highway 118 about 12 miles south of Kent on the T & P railroad and Cardinal Highway 80, and some 12 miles west of where Highway 290 joins saidHighway 80. Said Highway 118 passes through Fort Davis and ends at Kent.

Should you come to see this mihing location, and come via Air would suggest that you leave an airplane at Marfa air base and drive from Marfa thru Fort Davis to said mine location. Should one come by railroad could leave train at Marfa, Texas, and drive to the mine location, or leave the T & P train at Kent go out. As indicated about the mine location on sec. 38 or sec. 48 is about 12 miles east of south just on east side of paved highway 118.

May I add that I would be glad to go with you to the mine location, and make no charge for my service, hence if you wish to come to Fort Davis that I might do so, write, telegraph, or phone me when you will be here, and will carry you in my auto from here.

I have Jeff Davis County map from the Land Office of Texas, and have surveyed secs. 38 and 48, therefore know where they are.

Cordially yours,
/s/ Robert C. Withers
Licensed State Land Surveyor of Texas
P O Box 785, Fort Davis, Tex

Tele Harrison 6 ,3258
Copy mining agreement enclosed

UNITED STATES
DEPARTMENT OF THE INTERIOR

[redacted]

C
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GEOLOGICAL SURVEY
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Denver Federal Center
Denver, Colorado

April 29, 1955

Mr. Clinton C. Knox, Executive Officer
DMEA Field Team, Region IV
P O. Box 431
Joplin, Missouri

Dear Clint:

We have just received the application of O. L. Nyland, DMEA Docket 3770, to work over with you. At the moment I am swamped and it will probably be at least a month before I can get on it. In the meantime, if you will let me know what city, town, or village in Texas served by scheduled air lines that will most nearly coincide with your route, I'll be able to give you a time of arrival when I phone to arrange a date.

After looking over the application, I fear we have someone on our hands who may well out-scheerer Scheerer. Incidently, thanks for keeping me posted on that deal. As soon as, and if, I can uncover any background papers on manganese in Jeff Davis County I'll send you the references. So far, USGS Bulletin 427, Manganese deposits of the United States, by E. C. Harder, 1910, is the only one I've found and I've not had a chance to look into it as I just got in from Wyoming this afternoon.

I'll get in touch with you by phone when I see a chance coming along - till then regards.

/s/ Don
Donald R. MacLaren

COPY DMEA Op. Com

Docket

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

P. O. Box #431
Joplin, Missouri

April 27, 1955

Mr. O. L. Neyland
Box 946
Del Rio, Texas

Re: Application DMEA-3770 (manganese)
Neyland Mine
Jeff Davis County, Texas

Dear Mr. Neyland:

This is to acknowledge your letter of April 16 and to advise that referral of your above-cited application was received from Washington today.

The Washington Office found no information on your deposit in its files and your descriptions are insufficient to indicate the geologic target for your proposed explorations or to furnish any clues to the geologic setting of your deposit. The shipment you reported of 59 tons of amenable manganese ore to Deming appears to be of sufficient interest, however, to justify you in furnishing all the essential information, data, maps, etc., required with the application as a basis for proper appraisal and a possible Field Team examination.

I suggest, therefore, that it might be to your advantage to study your application again and to at least furnish all available supplementary information under the following items:

4-(b) Furnish copies of the settlement sheets on the ore you shipped to Deming.

-(c) Prepare copies of a map on a usable scale, e.g., 1" = 100' or 200', comprehensively showing topography, geology, all existing workings, locations where samples were taken and the assays, roads, etc., to adequately illustrate your geologic reasoning for the exploration work undertaken.

-(d) Give specific directions for reaching the property from Kent, Texas, and mention the highway numbers, or indicate on road maps.

5-(b) Indicate by sketching on the above-mentioned geologic map and on cross sections as needed, your proposed exploratory work with relations

Copy retained 400

to the geologic features as well as the existing workings. Please adequately clarify your closing paragraph of the application concerning the exact amount and tentative locations of drifting and core drilling and reflect such a break-down of your cost estimates. You do not list a core drill in the equipment purchase or rental estimates.

6-(d) It appears doubtful that the 400-foot inclined prospect tunnel you specifically proposed would justify the rental estimates for the loader, bulldozer, maintainer, four trucks, two compressors, two light plants, five drills, etc.. as listed. Evidently their proposed use could not all be construed as exploration work nor could excess in the tunnel size over 5 x 7 feet to permit use of that loader, be thus construed either.

In the event that you can furnish this information and a Field Team examination is made, and recommendations can be justified for letting of a project contract, very concise detailed cost estimates and other specifications must be agreed upon with you as a firm basis on which the Washington Office could draft any contract it might deem proper to let.

Perhaps I also should reiterate for you here that the Government's participation under D.M.E.A. project contracts is on a monthly reimbursement basis, paid only after receipt and approval of your monthly reports, cost claims, and supporting cost documentation. Also only a depreciation allowance, generally on the basis of 20 percent of the value per year, could be claimed for the use of your equipment, prorated to the exact time required on the explorations. Under item 7 (b) you have indicated that you would furnish the equipment but apparently rental rates are used in your cost estimates instead of the limited depreciation allowable.

I will be pleased to receive the above-mentioned information or any question that you may wish to ask. In the meantime I will contact the Geological Survey Office in Denver to determine if it deems a geological examination advisable and if and when it will assign one of its geologists as the Survey Member of the Field Team for the proposed examination. I am expecting soon to receive referrals on at least two other applications on properties in southwest Texas, so perhaps all those examinations can be made in the one trip by the Field Team. However, my schedule is very tightly filled from May 15 to July 1.

With the earnest desire that the foregoing suggestions may be of some assistance to you, I remain,

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Op. Com (2)
Mr. Harshman, U.S.G.S. Denver/
w encl.
3770 file

Rocked

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

P. O. Box #431
Joplin, Missouri

April 28, 1955

Airmail

The County Surveyor
County Court House
Jeff Davis County
Fort Davis, Texas

Re: Application Docket DMEA-3770
(manganese)
Neyland Mine, Secs. 38 and 48,
T. 9, Block 59, T & P Ry. Co. Survey
Jeff Davis County, Texas

Dear Sir:

The cited application for Government financial assistance on a proposed mining exploration project by Mr. O. L. Neyland, Box 946, Del Rio, Texas, has been referred to me for a field examination of the referenced property.

Could you furnish a sketch of Jeff Davis County indicating the locations of that survey block and the pertinent section therein for our use in finding this mining property?

Any information that you might be able to furnish would be greatly appreciated.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

COPIES - DMEA Op. Com (2) ✓
Mr. Neyland
Mr. Harshman
3770 file

DOCKET
SURNAME
Chapman
Rutledge
DeHuff
Hedges
Kiilsgaard
Selfridge
Johnson

400

APR 25 1955

Mr. O. L. Maryland
P. O. Box 946
Del Rio, Texas

Re: Docket No. DMRA 3779 - Manganese
Maryland mine
Jeff Davis County, Texas

Dear Mr. Maryland:

The above docketed application for exploration assistance for manganese ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Clinton C. Knox, Executive Officer, DMRA Field Team, Region IV, P. O. Box 411, Joplin, Missouri for a field examination of the property.

Any assistance that you can give the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman:foc
4-22-55
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. IV
Gilbert DeHuff, USBM
Thor H. Kiilsgaard, USGS

DOCKET
SURNAME
Chapman
Rutledge
DeHuff
Selfridge
Hedgson

400

APR 25 1955

Mr. Clinton C. Enox, Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

Re: Docket No. DMEA 3770 - Manganese
Hayland mine
O. L. Hayland
Jeff Davis County, Texas

Dear Mr. Enox:

The above docketed application for exploration assistance is being referred to your office for a field examination.

Two copies of a relevant memorandum dated April 20, 1955, by Louis Pavlides, Geological Survey, are enclosed for your information.

Sincerely yours,

George C. Selfridge
(657)
Chairman, Operating Committee

Enclosure

TLChapman:fec
4-22-55
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. IV
Gilbert DeHuff, USBM
Thor H. Kiilsgaard, USGS

APPROVED:

J. W. Hedges
(657)
Member, Bureau of Mines

Thor H. Kiilsgaard
(657)
Member, Geological Survey

Docked

IN REPLY REFER TO:

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

Copy retained 400

Department of the Interior
Defense Minerals Administration
RECEIVED
APR 21 1955

April 20, 1955

Memorandum

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

From: Louis Pavlides, U. S. Geological Survey

Subject: DMEA docket No. 3770 - Manganese
Orlando Neyland
Jeff Davis County, Texas

Copy retained 400

The subject application proposes to explore a manganese property in Jeff Davis County in the amount of $145,237. The only specific proposal made in the application is to drive a 400 foot tunnel into the side of a mountain (item 5b) presumably to intercept the ore. The last page of the continuation sheets of the application (p. 4) suggests that the applicant may be considering core drilling as well as drifts, although core drilling does not appear as an item in his cost estimates.

There is no information in the Survey files on this deposit and the applicant has not furnished a description sufficiently adequate to permit appraising its geologic setting. Nonetheless, the average grade of 35 percent Mn for the 59 tons of amenable ore reported as shipped to Deming makes this deposit of some interest and may warrant a field team examination. However, the application as submitted lacks the essential information necessary for a proper appraisal prior to field team referral. It is recommended that prior to any consideration for a field team examination the applicant be requested to supply the following information:

1. A more specific explanation of the proposed exploration program; namely, is it actually limited to one 400' tunnel or does he also plan on drilling? If drilling is contemplated the statement as to obtaining water from wells (item 4 e) should be clarified. Are these wells now present on the property or must they be dug as part of the exploration program?

2. Supply a map at a usable scale, e.g., 1" = 200', showing topography, geology, location of trenches, pits and adits now on the property and outline his proposed exploration.

Copy retained 400

3. A copy of the settlement sheets from Deming documenting the grade, amenability and production cited by the applicant.

Louis Pavlides

Louis Pavlides

April 13, 1955
Subject: DMEA 3770
Re: Exploration Assistance
Neyland

Mr. Orlando Lawrence Neyland
P. O. Box 946
Del Rio, Texas

Dear Mr. Neyland:

The receipt of your application dated April 5, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3770 and referred to the Iron and Ferro-Alloys Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

April 13, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region IV.

DMEA - 3770 Orlando Lawrence Neyland

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

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

APR 11 1955

P. O. Box #431
Joplin, Missouri

April 8, 1955

Operation's Control and Statistical Div.
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Re: O. L. Neyland application to DMEA for manganese exploration project contract, Texas
Jeff Davis County, ~~Mo.~~

Dear Sirs:

Forwarded herewith for your information are the original and two copies of the subject application. One copy is being retained in the Field Team's file.

Although the property evidently has merit, the Applicant so far has not been able to present all the information required to definitely justify a Field examination trip.

Sincerely yours,

Clinton C. Knox

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

Enclosure (3)

cc: DMEA Op. Com. (2)
Mr. O. L. Neyland
Appl. pend. file

C
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Y

APR 11 1955

O. L. NEYLAND
GENERAL CONTRACTOR
P. O. Box 946
DEL RIO, TEXAS

ENGINEERING CONSTRUCTION

April 5, 1955

United States Department of the Interior
Defense Minerals Exploration Administration
P. O. Box 431
Joplin, Missouri

Att'n. Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI

Dear Mr. Knox:

I am enclosing an Application for aid in an Exploration Project, Pursuant to DMEA Order No. 1, under Defense Production Act of 1950, as amended.

Referring to the estimated cost submitted on page Nos. 3 and 4 of the accompanying information: It is my belief that, when the Field Team comes to inspect the claims, it might be possible, with their geological knowledge of manganese deposits, to work out a provision whereby exploration could be done on a unit basis, and in the event that the concentration of manganese is located in lesser time, then the actual cost should be lower than the estimate shown.

Very sincerely yours,

/s/ O. L. Neyland
O. L. Neyland

OLN/wc
Encl (4)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON, D.C.~~

P. O. Box #431
Joplin, Missouri

C
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Y

October 5, 1954

Airmail

Mr. O. L. Neyland
Box #946
Del Rio, Texas

Re: Application for manganese exploration project, Jeff Davis County, Texas

Dear Mr. Neyland:

This is in reply to your letter of October 2, requesting a geological examination of your 400-acre manganese property in Jeff Davis County, Texas. I read with great interest your description of the road building, exploration, and mining you have done there which resulted in the shipping of about 60 tons of manganese-bearing material to the stockpile at Deming, New Mexico.

Unfortunately, sending of a geologist on a special trip to examine your property can only be authorized by the Washington Office of the Defense Minerals Exploration Administration after it has received a properly executed application from you justifying such an expenditure. I do not expect this Field Team will be in Texas on any other assignments in the near future.

Therefore, I am enclosing herewith the Application Forms MF-103, a booklet explaining the Defense Minerals Program, a copy of DMEA Order-1 as amended last March, and other relevant information. After looking over this material, I hope you will find that a D.M.E.A. project contract would fit your needs.

Please do not hesitate to contact me if I can be of any assistance in the preparation of an application.

Very sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

Encl. (8)

cc: DMEA Op. Com (2)
"N" file

C
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Y

ENGINEERING CONSTRUCTION

O. L. NEYLAND
GENERAL CONTRACTOR
P.O. Box 946
DEL RIO, TEXAS

October 2, 1954

Administrator, Defense Minerals Exploration Administration
Region VI
Department of the Interior
P. O. Box 431
Joplin, Missouri

Gentlemen:

I have a manganese prospect in Jeff Davis County, Texas, with an area of approximately four hundred (400) acres held under Minerals Awards from the General Land Office, State of Texas, Bascom Giles, Commissioner. Two other claims held by purchase, payment to be made on royalty basis.

As of this date I have built approximately three (3) miles of road up to the exploration prospect; also during this exploration work so far, there has been shipped approximately 59.23 tons of manganese to the Manganese Stockpile at Deming, New Mexico. Returns on two loads shipped showed a manganese content of 37.1 & 36.0% and the ore was found to be amenable.

I will appreciate you sending a Geologist to look over the area and exploration made to date as a prelude to securing Government Aid in exploration under Title 32A, National Defense Appendix, Chapter XII, DMEA Order-1 Amended.

Thanking you for an early reply and any information you deem necessary, I beg to remain.

Very truly yours,

/s/ O. L Neyland
O. L. Neyland

OLN/wc

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED MINERALS TECHNOLOGY DIVISION APR 7 1955

APR 11 1955

BUREAU OF MINES JOPLIN, MO.

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

Not to be filled in by applicant

Docket No. 3770
Metal or Mineral Manganese
Date Received 4-11-58
Estimated Cost $145,237
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Orlando Lawrence Neyland, P.O. Box 946, Del Rio, Texas.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Claims: Canyon Nos. 1 & 2; (4361) O. L. Neyland 1 to 26, Jeff Davis County, Texas. Section 38 & 48 Township 9, Block 59 T & P Ry. Co. Survey (699 A)

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Mineral Awards & Private Lease

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

(*e*) If you own the land, describe any liens or encumbrances on it

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated April 5, 1955, 195__

O. L. Neyland
(Applicant)
OWNER

By

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

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

O. L. Neyland,
Continuation of Form MT-103

APR 11 19

3. Applicant's Propery Rights:

1. (c) Lease of Survey 47, Block 59, Township 9, Original Grantee T & P Ry.Co., : Lease Contract with Juan Neverette, Sr. Inclosed.

2. Mineral Awards to Cecil Geaslin from State of Texas Section 38, Block 59, Township 9, T & P Ry. Survey, 18.95 acres, in Jeff Davis County, Texas. Mineral Award No. 41777. & 17.95 acres in Section 48, Block 59, Township 9, T ' P Ry. Co. Survey, Jeff Davis County Texas. Mineral Award No. 41778. Purchase price of these two claims @ $ 5,000.00, paid from 5% of net smelter returns, if ore proves to be of commerical value. Name of claims: Canyon Nos. 1 and 2.

3. Mineral Awards to O. L. Neyland from State of Texas Claims Nos. 1 through 26. Jeff Davis County, Texas.

	Mineral Award	Sect.	Block	Book No.	Page No.	(Recorded) (Acres)
1	M-43069	48	59	J	109	1.49
2	M-43070	38	59	J	110	1.49
4	M-43071	48	59	J	108	2.61
5	M-43072	48	59	J	107	4.44
6	M-43073	48	59	J	106	4.32
7	M-43074	48	59	J	105	9.62
8	M-43075	48	59	J	104	20.66
9	M-43076	38	59	J	111	7.78
10	M-43077	38	59	J	112	1.20
11	M-43078	38	59	J	113	.93
12	M-43079	38	59	J	120	20.66
13	M-40380	38	59	J	119	20.58
14	M-43081	38	59	J	114	20.66
15	M-43082	38	59	J	20	20.66
16	M-43083	38	59	J	20	20.66
17	M-43084	38	59	J	121	20.66
18	M-43085	38	59	J	122	18.30
19	M-43086	38	59	J	117	18.30
20	M-43087	38	59	J	116	18.30

	Mineral Awards	Sect.	Block	Book No.	Page No.	Recorded Acres
21	M-43088	48	59	J	103	20.66
22	43089	48	59	J	102	20.66
23	M-43090	38	59	J	125	20.66
24	M-43091	38	59	J	124	20.66
25	M-43092	38	59	J	123	18.30

Total Acres: 334.15

4. a(Have built approximately 3 miles of roadway through the ranch up to where some of the manganese showings are located; have driven two tunnels into the mountain showings. ~~Both~~ One of these tunnels are approximately ~~eighty~~ 1- 325' + Other 125' ~~(80)~~ feet in depth; have cross-cut several traces with open pit along the slope of the mountain/

(b) This is a new mine, with no past production. During the course of the exploration, so far, there has been sold to the General Service Administration $ 5,385.29 worth of lump ore that has been picked up. The average grade of the lump ore shipped so far is 35% manganese.

(c) Manganese is showing in several places along the slope of the mountain and is in Ryolite and Porphyry and in bedded deposits or veins. I do not have any geologic or engineering reports.

(d) This deposit is located about fifteen (15) miles from Kent, Texas. Kent, Texas is a shipping point on the Texas & New Orleans Rail Road Company. From Kent, Texas, toward the deposit the first twelve (12) miles is paved, then from the turn-off from the pavement toward the mine, there is three (3) miles of ranch road which we have bladed. Residence can be had in Kent, Texas for the workers and mining supplies are available in El Paso, Texas.

(e) Plenty of man power is available in the area. Water can be obtained from wells. Also R.E.A. power is just twenty (20) miles to the South.

5. (b) At the present time I do not have a map of the workings; have contacted ore in two tunnels. Will need to drive a tunnel into the mountain approxinately four hundred (400) feet from the top level or slightly inclined as we go toward the center of the mountain. These tunnels are approximately six hundred (600) feet apart along the side of the mountain, and are approximately 70 foot difference in their elevation. The canyon bed is approxinately two hundred fifty five (255) feet below where the tunnels entered the mountain.

(d) I have been in general construction and engineering since 1921. At the present time I own a Gypsum deposit which was mined for nine years and blocked out over 100000 tons of ore; also own a mercury furnace and have had experence in the mining of mercury ore, also have operated the mercury furnace. O. L. Neyland will supervise the operations. The superintendent has had nine (9) years experence in working in mines, foreman, six or seven years.

6. Estimate of Cost: $ 145,237.00

(a) None

(b) Skilled Labor $ 2.00 per Hour
Machine Operators 1.50 " "
Labors & Muckers 1.25 " "
Geological consultants. John F. Graham, Professor Mining & Metallurgy. Texas Western College, El Paso, Texas.
No fee reported at present
Estimated total labor & consultant $ 41,600.00

(c) Gasoline & Oils; Water 15,600.00
Dynamite & Powder 10,400.00
Steel & Bits, etc. 7,800.00

(d) D-4 Caterpillar Loader (755.00 Mo) 9,060.00
D-7 Caterpillar Dozer (798.00) 9,576.00

Maintainer, Caterpillar (379.00 Per Mo.)	$ 4,548.00
2-Trucks (600.00 Per Mo.)	7,200.00
2- Pick-up (150.00 per Mo.)	1,800.00
2- Air Compressors (554 Per Mo.)	6,648.00
2- Light Plants (200.25 per Mo.)	2,403.00
1 -Electric Welder (136.00 Per Mo.	1,632.00
5- Air Hammers (227.50 per Mo.)	2,730.00
(e) Shop and office Building (New)	6,000.00
Repairs to rolling equipment	7,200.00
Accounting fees	2,400.00
Analytical Work	2,400.00
Workman's Compensation Insurance	6,240.00
Total Estimated	$ 145,237.00

We need to drive further into the mountain with other drifts; also need to do core drilling to confern the places for the tunnels.

DEPARTMENT OF THE INTERIOR
Defense Minerals Adm.
RECEIVED
APR 11 1955

The State of Texas

County of Jeff Davis.

This agreement made and entered into by and between Juan Neverette, Sr., of Jeff Davis County, Texas, hereinafter called lessor, and O. L. Meyland , of Val Verde County, Texas, hereinafter called lessee, witnessth:

1. Lessor in consideration of the agreements and covenants hereinafter stated, to be kept and performed by lessee, does by these presents demise, lease and let unto the lessee, for the sole and only purpose of excavating, mining, exploring and operating for all valuable mineral bearing deposits, placer, veins, lodes and rocks carrying metalic or non-metalic substances of value (except oil, natural gas, coal and lignite) that certain tract of land situated in Jeff Davis County, Texas, and described as follows, to wit:

All of Survey 47, in Block 59, Township 9, Original Grantee T & P Ry Co., containing 699 acres of land.

2. The term of this lease shall be for a period of twenty years from the date hereof, to wit, July 1, 1954, and until paying mineral or minerals as found shall be exhausted.

3. Lessee agrees to pay to lessor the sum of three hundred forty-nine & 50/100 ($ 349.50) dollars per annum until such time as procuction of ore in commerical quantities on the leased premises is begun, and thereafter instead lessee shall pay to lessor royalties at the rate of 5 per cent net smelter, mill or depot returns, less cost of such benification or mechanical separation to improve the grade of ore, and freight from the mine to place of delivery. The first of said

annual payments of $ 349.50 has been paid contemporaneously with the excution of this lease, and sililar payments of $ 349.50 shall be made by lessee to lessor on July 1st of each and every year hereafter, in advance, during the term of this lease, or until the production of ore in commerical quantities on the leased premises is begun as above provided. It is expressly provided, however, that in no event shall the royalty payment by lessee to lessor be less than $ 345.50 per annum. That is to say, lessor shall receive at least the sum of $ 349.50 per annum for each and every year this lease is in force and effect, all payments to be made in advance.

4. The lessee shall keep a correct record of all minerals mined, the kind and weight thereof, to whom sold, and the price received therefor, and such accounts shall be open to the inspection of lessor at all reasonable times, upon demand therefor.

5. Lessee shall have the right of ingress and egress at all times for the purpose of exploring for and mining of the hereinbefore stated deposits and removing the same. Lessee shall have the full right to place, erect or construct any building, structure and machinery for the purpose of carrying out the terms of this lease agreement. Futhermore, lessee shall have full use of any water on the premises for the purpose of exploring, excavating and operating; provided, however, that no water from wells of lessor shall be used for such purposes without his consent.

6. Upon the termination of this lease agreement lessee shall have the right to remove from said premises all machinery, equipment, structures and property of any character placed on said premises by lessee.

7. Lessee shall have the option to surrender this lease any time after one year from the date hereof by the execution of a proper release of this lease and filing

the same for record in the office of the County Clerk of Jeff Davis County, Texas, whereupon this lease shall cease and be of no futher force or effect.

8. This contract shall be binding upon the parties hereto, their heirs, assigns and legal representatives.

Executed in duplicate by the parties hereto as of July 1, 1954.

S/T Juan Navarette
Juan Neverette, Sr. Lessor

S/T O. L. Neyland
O. L. Neyland- Lessee

The State of Texas
County of Culberson

Before me, the undersigned authority on this day personally appeared Juan Neverette, Sr. known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 8th day of January, 1955

S/T E. C. Boyd
Notary Public , Culberson County, Texas.

The State of Texas
County of Val Verde

Before me, the undersigned authority, on this day personally appeared O. L. Neyland, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 4th day of February, 1955.

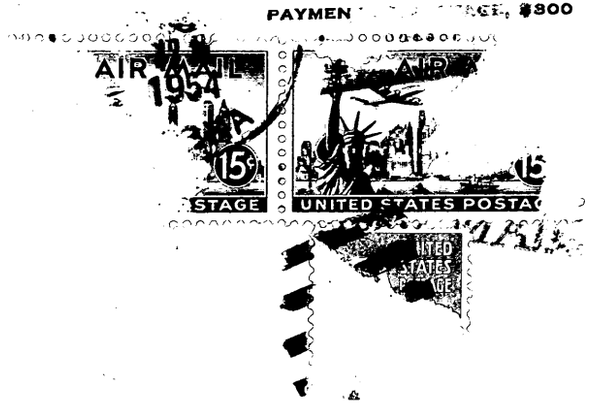
S/T Fannie Binney
Notary Public, Val Verde County, Texas.

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

OFFICIAL BUSINESS

~~Bureau of Mines~~
~~P. O. Box 500~~
~~Juneau, Alaska~~

PENALTY FOR ... TO AVOID
PAYMEN... $300



1954
ALASKA

VIA AIR MAIL

Map

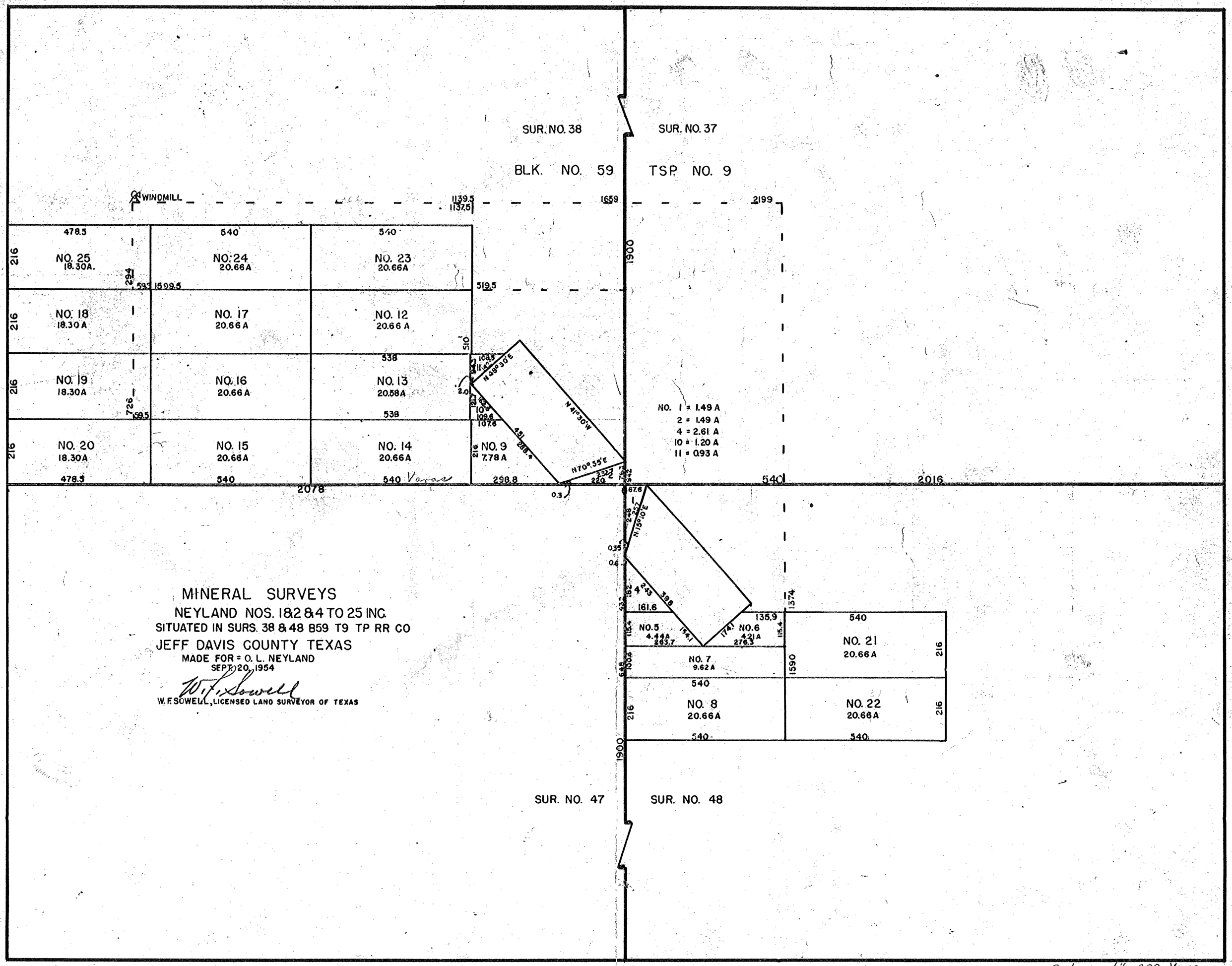
VIA AIR MAIL

U. S. DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.

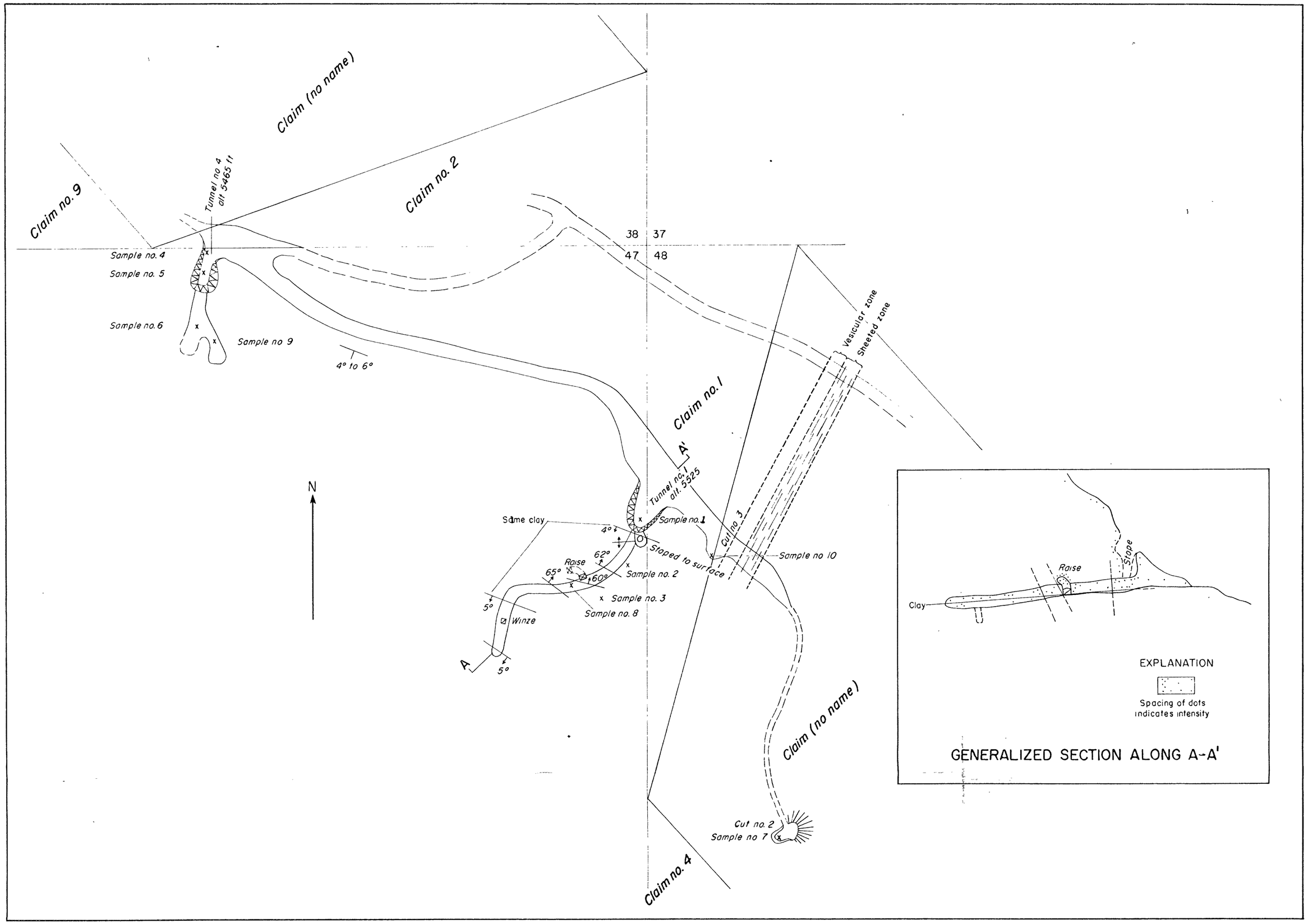
map



MINERAL SURVEYS
NEYLAND NOS. 1&2&4 TO 25 INC.
SITUATED IN SURS. 38 & 48 B59 T9 TP RR CO
JEFF DAVIS COUNTY TEXAS
MADE FOR = O. L. NEYLAND
SEPT. 20, 1954

W. F. Sowell
W. F. SOWELL, LICENSED LAND SURVEYOR OF TEXAS

Scale 1" = 200 Varas



By D. R. MacLaren June, 1955

FIGURE 1 PLAN SHOWING PRESENT WORKINGS, GEOLOGY AND PROPOSED EXPLORATION, NEYLAND MANGANESE MINE, JEFF DAVIS COUNTY, TEXAS

100 50 0 200 Feet