FILE COPY
SURNAME:

Barr

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

June 27, 1951

Mr. D.M. Adair, Manager
Cricket Lime and Dolomite co.
Black Rock, Utah

Subject: DMA-1451X;
Limestone

G.E.C.

Dear Mr. Adair:

Your application for aid for an exploration project on Limestone deposit located near Black Rock, Utah and docketed as DMA-1451X has been reviewed by this office.

Projects approved by the DMA must, in its judgment, show definite promise of yielding material of acceptable grade, physical character and specifications, in quantities that will significantly improve the mineral supply position for National Defense.

A very careful study of your proposal revealed the following:

The mineral involved in subject application (Limestone) is not included in Sec. 9 ID-5, Regulations Governing Government Aid for Defense Exploration Projects.

Under these circumstances, your application for exploration aid to the extent of 50% of $55,000 is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

Sincerely yours,

Tom Lyon

Tom Lyon, Director
Supply Division

RW:mas

cc: Mr. Strobel
Mr. Lyon
Mr. Barr
DMA Files

June 27, 1951

Mr. D.M. Adair, Manager
Cricket Lime and Dolomite co.
Black Rock, Utah

Subject: DMA-1451X;
Limestone

Dear Mr. Adair:

Your application for aid for an exploration project on limestone deposit located near Black Rock, Utah and docketed as DMA-1451X has been reviewed by this office.

Projects approved by the DMA must, in its judgment, show definite promise of yielding material of acceptable grade, physical character and specifications, in quantities that will significantly improve the mineral supply position for National Defense.

A very careful study of your proposal revealed the following:

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Under these circumstances, your application for exploration aid to the extent of [illegible] of [illegible] is denied. Should additional information become available, we would be glad to have you resubmit your proposal for consideration.

Sincerely yours,

Tom Lyon

Tom Lyon, Director
Supply Division

RW:mas

cc: Mr. Strobel
Mr. Lyon
Mr. Barr
DMA Files

FILE COPY
SURNAME:

Barr

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

June 27, 1951

a.e.e

Memorandum

To: Executive Secretary, DMA

From: Chief, Industrial Minerals Branch, DMA

Subject: DMA-1451X; D.M. Adair, Manager, Cricket Lime and Dolomite Co., Black Rock, Utah; Limestone

It is recommended that subject application be denied for the following reason:

Commodity involved (Limestone) is not included in MO-5 as eligible for Exploration Aid.

We are forwarding the entire docket which includes:

MF-103 and appendixes in triplicate
Three maps
Plan of processing plant

James Barr
JAB

James A. Barr, Sr.

Approved:

Tom Lyon

Tom Lyon, Director
Supply Division

RW:mas

cc: Mr. Lyon
Mr. Barr
DMA Files

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

June 27, 1951 G. E. C.

Memorandum

To: Executive Secretary, DMA

From: Chief, Industrial Minerals Branch, DMA

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Three maps
Plan of processing plant

James A. Barr

James A. Barr, Sr.

Approved:

Tom Lyon

Tom Lyon, Director
Supply Division

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 9 - 1951
LANDON F. STROBEL
Executive Secretary

June 21, 1951

Memorandum

To: Executive Secretary

From: Chief, Industrial Minerals Branch

Subject: DMA-1451; DM Adair, Mgr., Cricket Lime and Dolomite Co., Black Rock, Utah; Limestone

It is recommended that subject application be denied for the following reason:

Commodity involved (Limestone) is not included in MO-5 as eligible for Exploration Aid.

James A. Barr, Jr.

Approved:

Tom Lyon, Director
Supply Division

HW:mas

cc: Mr. Strobel
Mr. Lyon
Mr. Barr
DMA Files

June 13, 1951

Mr. D. M. Adair, Manager
Cricket Lime and Dolomite Co.
Black Rock, Utah

Subject: DMA-1451X
Re: Exploration Loan

My dear Mr. Adair:

Receipt is acknowledged of your application and attachments of May 28, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1451X and referred to Mr. Barr, Chief, Industrial Minerals Branch on June 5, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1451X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
✓Barr
Lyon

FILE COPY
SURNAME:

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

June 13, 1951

Mr. D. M. Adair, Manager
Cricket Lime and Dolomite Co.
Black Rock, Utah

Subject: DMA-1451X
Re: Exploration Loan

My dear Mr. Adair:

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In any future correspondence relating to your application, kindly refer to DMA-1451X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Barr
Lyon

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma-1451X

Date received 5/31/51

Participation

D.M.Adair,Manager , Cricket Lime and Dolomite Co.
Black Rock, Millard County, Utah.

Name and address of applicant

Date May 28,1951.

FILL IN THIS BLOCK

Date of application May 28, 1951.

Estimated cost $55,000.00

Mineral or metal Magnesium & Calcium

Percentage of Government participation 50%

Location of mine Millard County Utah.

10 miles North of Black Rock Utah.Plant location.

Date of filing MF-100 no previous filings

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

(*b*) State briefly the known history and production of adjoining and neighboring properties. Black Rock, Millard County, Utah.

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

*17. Production: All questions answered on annexed forms or sheets

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

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

May 28,1951

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

(*a*) Describe the ore or mineral deposits briefly. $55.000.00

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

(*c*) Give estimated tonnage and grade of each class of ore reserves. 50%

May 28,1951

Gneisian, Quartzite

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

Millard co, Utah.

THE EXPLORATION

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

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. 10 miles north of Black Rock Utah plant location

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

Cricket Lime and Dolomite Co. (Name of company) By [signature] (Signature of authorized official)

May 28,1951 (Date) Owner & Manager, (Title)

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

*Same as footnote on page 1.

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

ANSWERS TO QUESTIONS ~ Form MF-103
U.S.DEFENCE MINERALS ADMINISTRATION.

Q-1 Partnership.
Q-2 D.M.Adair, BLack Rock, Utah. and J.S.Adair Denver Colorado.
2970 S. Dexter,
Q3 Has'nt been incorporated.
Q-4 40 years in practical applications in the following experiences. Mining, Milling,Road Construction, General Building, Bridges, Pipelines, Sanitary Systems, Forestry, Farming, Lumbering, and last of all 10 years expierence in studying the lime industry and its place and value in the Westwen United States, along with the development of this project. The above in this question is the expierence of D?M. Adair, Manager and instigator. of this project cupled with the help of my son D.M.Adair,
J.S.Adair, is a graduate in Geology and Engineering with 10 years expierence in Field Oil Geology with the Department and other Agencies, Farming, Construction Engineering during the consreuction of the Geneva Steel Plant near Provo Utah. Along with assisting in the development of this Project. He is now employed in Microscopic Oil Geology by the Departments GS located at Denver.
Q-5
Owners of property by reason of Claimants,and purchase by Quit Claim Deeds, of three original Claimants, namely Nels Peterson and Hans Peterson and S.H. Clark all of Provo Utah.

Q-6 Springville Banking Co. of Springville Utah. $1800.00.
Q-7 Owners of property. (Mortgage)
Q-8 We owe the $1800.00 to the bank.(borrowed money) plus $333.00 on equipement, that belongs to the project.
We have on hand, no money, WE have in sight blocked out 10 mi-Million tons of each class of very highest grade of material (raw) both Dolomite and Calcium as shown on the enclosed maps When you consider the valuation of these materials as an asset to the project there is no way to estimate their value only as they are sold because their valueation is to great, but look at it from my angle and estimate the magnesium valuation in this emence deposit at 20.5 % that means that there is 20.5# (pounds) in every 100 pounds of stone ,and for every M tons Dolomite stone processed would yield 205 tons of pure magnesium. This cannot be beaten anywhere in this world to the best of my knowlegge and from very good authority. My estimate of quantity is that material which is available for processing XXXXXXfrom our present plant site, and I am refering to stock piling near the R.R.Track near here for the Government. Therefor I am estimating this stone at 25¢ per ton in place,which amounts to 5 Million $ for the 20 Million tons in sight and blocked out. And we have Equipement to the amount of $20.000 on hand suchas Dwellings(two),Trucks (two) One Tractor Oletrac 55, with bull dozer, Two Jackhammers, One Compressor 360 ft.Schramm. Crusher 3"x2" jaw type, Hammer Mill Grundler no.4, one Road Grader, Austin Western No.36.One tool house 10'x10'and light tools as hammers,picks, barrs, hoses,shovels,wrenches, 600' air pipe lines. 200# powder, fuses and caps, coke, two power units(gass)

for operation of the Crusher and Hammermill, five bins of wood construction, two Kilns installed or built into the mountain 6'x7' x 54' high. These Kilns were blasted out of the solid hill by drifting 45'with a 5'xxx 7' drift and raising 54' to the surface at the dip end of stratta J-4 as shown on exibit -2- of the enclosed sheets,and our quarry is in the up dip above the Kiln's in the same stratta so to feed from the same quality, Our supply of raw materials are in sufficient supply from this one setting that one could state "inexaustible supply" and be safe. In all our expiermental work up to now in this project we have been able to make Quick Lime at a cost of $15.00 per ton and our nearest xxxxxxxxxx competition for quality is in Missouri,and Ohio,and is delivered into Salt Lake City Utah, at a cost of about $30.00 fob the car. So this is the price we have to meet and will be our selling price at that point, and in doing this we estimate $10.00 per ton profit net. And our capacity of 30 tons per day gives us a $300.00 daily income. And our market is unlimited through all the west and half way to Missouri going east. So you can see our possiblities just for the one product (Calcium Quick Lime) for the building trades. And then another possibility we have in the Dead Burned Dolomite trade that is all shipped from Cleveland Ohio to the west for the refractory purposes in the steel manufactuary. We have a superior product with which to make this product in our Dolomite deposit and the purity of it.

Q9-

Sense we have an investment of $60,000.00 and we need that much more to complete our project. We think that we should have credit for this on a particiation plan of at least 50% when we have it so near production,and we also want to secure the Government with our property and the income therefrom. We will be in production within xx six months after we get a go sign, and will begin return payments upon marketing receipts.

Here is one thing you may consider. We will be able to stockpile, Dolomite containing 20.5 lbs of magnesium per 100 lbs. of stone, on the railroad at Cruz R.R.siding in Millard County Utah near our deposits at a compeditive price, with less than a two mile haul, better yet maybe the D.M.A. would be interested in an option on the deposit that is exposed and has no overburden as shown in exibit -2- of the maps,and is within xxx two miles from the shipping point,which has an estimated tonage of 4 million tons, and the D.MA. would place a valuation 25¢ per ton in place,and then option it for XXX 10 years by advancing us 80.000 dollars,and forget this loan and we would get ourselves into buisness with this project,we would like that. Exibit no-2- H 1-12 shows this deposit.I think that this deposit and our application should be given full consideration and not poked into the wastebasket unnoticed, We cut some figure in our possibilities and if the D.M.A. can find use for our products we will contribute liberly to our Moblization cause.

Q-10- Discripton of property: NW¼ Sec.8, also E½ Sec.5, N½ and SE¼ Sec.4, also W½, NE¼, Sec.9, all in Tp.23 S. R.XX 9 W. Salt Lake Base and Mederian, in Millard County Utah, comprising 1040 acres held under plaser and lode claims.

Q-11- Cricket Lime & Dolomite Co. New Discovery, Partly Developed

Q-12- Plant is located on the property which is located 10 miles North of Black Rock, Utah, the nearest P.O. and Rail Head with an Operator employed day shift from 8"A.M.to 4"P.M. 5 days each week. No service Saturday nor Sunday. Also 40 miles South from Delta Utah, Also 144 miles South from Geneva Utah, XXXXXXXXXXX Union Pacific RR. miles. Also 34 miles West from Knosha, Utah on highway 91, All gravel highways, nearest oiled highway 26 miles to Milford Utah, South of project. Operating conditio ns good the yearlong. 32 miles north to the oiled highways at Dederet Utah, All gravel roads are good and fairly well kept up by the county.

Q-13- Underground water supply available within 500$ drilling and can be pumped with wind power.

Q-14- It's estimated that the cost of a water well will not exceed $3500.00.

List of facalities and equipement available for use in the furthering of this project.

Two three room dwellings,
One tool house 10x10'.
2-Jack Hammers, Very good.
Hoses and drills for drilling.
Trucks -two- 1½ton one Dump other Stake body.
Tractor, Cletrac 55. Good. & Trail Builder.
Compressor, 360' Schramm. Good 600' air pipe.
One Crusher, 8"x24" Jaw type. With power unit.
Road Grader, Austin Western No.35 Good
One HammerMill ,Grundler No.4. &P.U. Good
Bins, Kilns, Track and Cars (½ ton mine)
On hand now 200# powder, 10 tons coke.
Two Wheelbarrows, Good.
Shovels, picks, Double Jacks, Single Jacks, Barrs,
Steel rods, Anvil, Blower, and Blacksmith tools.
Ramp at the R.R.Track for loading purposes.
Carpentery tools, pulleys, log chains, skip car.
30 foot conveyor. Chain elevator with small power unit, Jack hammer oiler and tail hose or whip.
Two 7/8" x 12 ' loading sticks or tamping sticks.
Wrenches of all kinds.
Electric Blasting outfit.
One 500# Drag line scrapper.
Several pieces of hand steel.
Several bars of Pick steel.
Several bars of mild steel various sizes.
1500# paper bags on hand Trademark bags for Q.L.
Mine cars, cable, mine rails,
Two Kilns 6'x7' x 54' very efficient Kilns.
Roads and quarry all ready for action.
Several cwt. assorted bolts and nails.

Q-15- Products will be shipped by rail and truck transportation. And will be refined and Milled in plant on the Project.

Q-16- This Project is a Newly developed project. We thought we were ready to start shipping Two years ago and when we started and checked our plant we were blowing away 30% of the very best pulverised lime, so we had to stop operations until we can get better and larger equipement to pulverize and bag our product. We operated long enough to find the bugs or bottlenecks of our operations and we have located the proper machinery hence this application.
(b) All other similar operations within this State are operating in very lowgrade materials and are compelled to hydrate their product ,in other words their product is in the lower grades and very little quicklime is made here in utah because of poor grades
(c) The enclosed report was surveyrd and conducted and mapped by the Geneva Steel Company, a person by the name of Keith Hayse was the engineer that made the survey. And this Survey was made from a metalurigical outlook and standpoint. And was a very complete report.

Q-17- We have only been in production on trial runs, And only enough to give us a clear picture of what we need to complete the project. And we learned that our estimates are somewhere near correct. We are designed to make 30 tons of quick lime daily.And we aim to net $10.00 per ton. When our competition allows us to sell at $30.00 and still be wholesale. And in our local retail selling we can sell for $40.00 and as high as $60.00 per ton in the more distant places.

Q-18- We have operated only long enough to determine our real needs and to prove the worth of the project.
(a) Our deposits are very high in mineral reserves,consisting of Calcium and Magnesium Limestones as you will note from the enclosed maps and annalysis,
(b) Maps encloded herewith.
(c) Tonage, (unlimited)

Q-19- I think it is made clear in the forgoing statements.

Q-20- Calcium,and Magnesium,ores And for development purposes in the refining stages,and not for exploration.

Q-21- Purchase and installation of pulverising and bagging machinery, and the associated bins and conveyors and elevators and regulation feed equipement, togather with excavation work and the construction of concrete bases for the machinery, plus a 40'x 60' concrete block warehouse, with cement floor 6" thick . We plan to have this job done within 90 days after the go sign, but our better judgement says better ask for 6 months.

Q-22- Maps and assays and showing our project in detail. We might state here that all of this purposed work will be on the pulverising and bagging end of our works, and will be 200'below the lower installations as shown on the maps.

Q-23-	Quarrymen 2 @ $12.00 per day each		$24.00	
	Powder man 1 @ $12.00 " "		12.00	
	Kiln men 3 @ $12.00 " " "		36.00	
	Truck Driver	12.00	12.00	
(a)	Millwright 1	20.00	20.00	
	Time Keeper 1	12.00	12.00	
	Mill men 2	12.00	24.00	
	Foreman 1	15.00	15.00	
Totals	12		$155.00 x 90 days	$13,950.00
(b)	Supervisor 1	$20.00		
	Engineer 1	20.00		
	Consultant 1	5.00		
Totals	3	45.00 x 90 days	----------	$ 4,050.00
	Truck repairs		$ 400.00	
(c)	Kiln repair near grates		100.00	
	Screen, hard steel		13.00	
	Tractor repair,		200.00	
Total		---------	$ 713.00	$ 713.00
	Warehouse 40'x50' C.Block		$ 4000.00	
(d)	Footings 24 yds.		400.00	
	Bagging Bins & measuring devise,		1000.00	
	Pulversing machinery,		12000.00	
Total		----------	$ 17400.00	$17400.00
	Grizzley and screen,		$ 500.00	
(e)	Binn installation		400.00	
&	Toolhouse frame,		500.00	
	Bags shipping 1 carload		1500.00	
(f)	Chutes & reg. feed,		600.00	
	Crane rental,		160.00	
Total			$ 4160.00	$4160.00
	Tractor rental 90 days		$ 500.00	
(g)	Compressor " "		500.00	
	Jack Hammer 2 " "		200.00	
	Grader 90 days		50.00	
Totals			$ 1250.00	$1250.00
	Shovels RP 6		$ 18.00	
	Picks 6		18.00	
(h)	Battery 1 12 volt		45.00	
	Batterys 2-6 volt		40.00	
	Tires Truck 8		240.00	
	Tubes Truck 8		32.00	
	Insurance Truck		48.00	
	Lisence "		15.00	
	Handles D.J. 12		20.00	
	First Aid Kits 2		10.00	
Totals this page			$ 483.00	$ 438.00
				$42011.00

Q-23- con'td.

Brought forward from page five $		$42011.00
(i) Our power is all gasoline or deisel and we will use daily about	$ 20.00	
Oils and grease about	5.00	
Total	$ 25.00	$ 2250.00
500' water well 2"pipe, Wind Mill power		$ 3500.00
Coke 50 tons @ $12.00 per ton,		600.00
Totals grand		$48361.00
Marketing and operating	$6639.00	6639.00
Required loan which this app.calls for,		$55000.00

Q-24- $ 22,498.00 to be expended the first 30 days, for labor and equipement, excavating setting forms and running cement will be the first activities.

$ 12,931.00 to be expended for each of the following months, at which time we will begin production at which time there will be $6639.00 to begin our marketing with. We will have all the equipement installed and will begin operations.

Enclosed herewith please find maps and plans of our project and will be lisred as exibits -1- -2- -3- -4- and ~~-5-~~ and in the event of a rejection you will please return the exibits.

And in the event that the Government should desire to relieve the Rail Roads of that long haul from the East to the West, handeling lime and lime products we can build into rotery kiln size with but little more help. One thing you can rely upon is the fact that we have the product of the very highest quality to produce magnesium , and the Dead Burned Dolomite and the very best of Quick Lime for the building trades through all the west.

We trust that you will give this application due consideration without a political taint, We are just a couple of very common folk trying to make it the honest way, and we have something we think the D.M.A.can proffit from in the way of moblization help.

Thanks for this opertunity and the very quick responce to my enquire.

Very sincerely, D M Adair
CRICKET LIME AND DOLOMITE CO?
BLACK ROCK, UTAH? MILLARD COUNTY.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA - 1451 X

Date received 5/31/51

Participation

D.M.Adair, Manager, Cricket Lime and Dolomite Co.
Black Rock, Millard County, Utah.

All questions answered on annexed forms or sheets

Name and address of applicant

Date May 28,1951.

FILL IN THIS BLOCK

Date of application May 28 1951,

Estimated cost $55.000.00

Mineral or metal Magnesium,&Calcium

Percentage of Government participation 50%

Location of mine Millard co, Utah.

10 miles North of Black Rock. Utah Plant location.

Date of filing MF-100 no previous filing

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

Cricket Lime and Dolomite Co. — By D M Adams
(Name of company) — (Signature of authorized official)

May 23,1951. — Owner & Manager.
(Date) — (Title)

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

*Same as footnote on page 1.

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

ANSWERS TO [illegible] - Form [illegible]-107
[illegible]

1. Partnership.
2. [illegible].Adair, Rock Rock, Utah. and J.[illegible].Adair Denver Colorado.
2973 S. Porter,

3. Has not been incorporated.
4. 40 years in practical applications in the following experiences. Mining, Milling, Road Construction, General Building, Mining, Pipelines, Poultry Systems, Forestry, Farming, Engineering, and that of all 10 years experience in studying the lime industry and its place and value in the Western United States, along with the development of this project. The above in this question is the experience of [illegible]. Adair, Manager and instigator of this project coupled with the help of my son J.[illegible].Adair,
J.[illegible].Adair, is a graduate in Geology and Engineering with 10 years experience in field Oil Geology with the Government and other Agencies, Mining, Construction Engineering during the construction of the Geneva Steel Plant near Provo Utah. Along with assisting in the development of this project. He is now employed in Petroleum Oil Geology by the [illegible] located at Denver.

5. Lease of property by means of [illegible], and [illegible] Utah [illegible] of three out [illegible] [illegible] Colorado and [illegible] Oil of Provo Utah.

6. [illegible] Leasing Co. of [illegible] Utah. [illegible]
7. Lease of property. (Continued)
8. We are the [illegible] to the [illegible] [illegible] equipment, that belongs to the project.
We have on hand, no money, [illegible] have in sight [illegible] [illegible]
[illegible]
[illegible] for every [illegible] tons [illegible] stone [illegible] would yield [illegible] tons of [illegible]. This amount is known nowhere in this world to the best of my knowledge [illegible] from very good authority. My estimate of quantity is that material which is available for processing [illegible] from our present plant site, and I am referring to stock piling near the [illegible] track near here for the Government. Therefor I am [illegible] this stone at [illegible] per ton in place, which amounts to [illegible] million [illegible] for the [illegible] million tons in sight [illegible] blocked out.
And we have Equipment to the amount of [illegible] in [illegible] such as Buildings(two), Trucks (two) One Tractor [illegible] with full [illegible], Two Jackhammers, One Compressor 3[illegible] ft. [illegible]. Crusher [illegible] jaw type, [illegible] Mill [illegible] No.[illegible], one [illegible], [illegible] No.3[illegible]. One tool house [illegible] of [illegible], picks, bars, [illegible], shovels, [illegible], [illegible] lines. [illegible] powder, fuses and caps, coke, two power [illegible]

for operation of the Crusher and Hammermill, five bins of wood construction, two Kilns installed or built into the mountain 6'x7' x 54' high. These Kilns were blasted out of the solid hill by drifting 45'with a 5'xx 7' drift and raising 54' to the surface at the dip end of stratta J-4 as shown on exibit -2- of the enclosed sheets,and our quarry is in the up dip above the Kiln's in the same stratta so to feed from the same quality, Our supply of raw materials are in sufficient supply from this one setting that one could state "inexhaustible supply" and be safe. In all our experimental work up to now in this project we have been able to make quick lime at a cost of $25.00 per ton and our nearest ~~xxxxxxxxxx~~ competition for quality is in Missouri,and Ohio,and is delivered into Salt Lake City Utah, at a cost of about $70.00 fob the car. So this is the price we have to meet and will be our selling price at that point, and in doing this we estimate $10.00 per ton profit net. And our capacity of 30 tons per day gives us a $300.00 daily income. And our market is unlimited through all the west and half way to Missouri going east. So you can see our possibilities just for the one product (Calcium Quick Lime) for the building trades. And then another possibility we have is the dead burned Dolomite trade that is all shipped from Cleveland Ohio to the west for the refractory purposes in the steel manufacturing. We have a superior product with which to make this product in our Dolomite deposit and the purity of it.

-3-

Hence we have an investment of $60,000.00 and we need that much more to complete our project. We think that we should have credit for this on a participation plan of at least 50% when we have it so near production,and we also want to secure the Government with our property and the income therefrom. We will be in production within of six months after we get a go sign, and will begin return payments upon marketing receipts.

Here is one thing you may consider. We will be able to stockpile, Dolomite containing 20.5 lbs of magnesium per 100 lbs. of stone, to the railroad at Cruz U.P.,siding in Millard County Utah near our deposits at a competitive price, with less than a two mile haul, better yet maybe the U.S.A. would be interested in an option on the deposit that is exposed and has no overburden as shown in exibit -2- of the maps,and is within ~~xxx~~ two miles from the shipping point,which has an estimated tonage of 5 million tons, and the U.S.A. would place a valuation 25¢ per ton in place,and then option it for ~~xxx~~ 10 years by advancing us 50.000 dollars,and forget this loan and we would get ourselves into business with this project,we would like that. Exibit no-2- & 1-12 shows this deposit.I think that this deposit and our application should be given full consideration and not poked into the wastebasket unnoticed, We cut some figure in our possibilities and if the U.S.A. can find use for our products we will contribute liberly to our Mobilization cause.

Q-10- Discripton of property: NW¼ Sec.8, also S½ Sec.5, N½ and SE¼ Sec.4, also S½, NW¼, Sec.9, all in Tp.23 S. R.10 W. Salt Lake Base and Meridian, in Millard County Utah, comprising 1080 acres held under placer and lode claims.

Q-11- Cricket Lime & Dolomite Co. New Discovery, Partly Developed

Q-12- Plant is located on the property which is located 10 miles North of Black Rock, Utah, the nearest P.O. and Rail Head with an Operator employed day shift from 8 A.M. to 4 P.M. 5 days each week. No service Saturday nor Sunday. Also 40 miles South from Delta Utah, Also 144 miles South from Geneva Utah, SOUTHERN Union Pacific RR. miles. Also 34 miles West from Knosha, Utah on highway 91, All gravel highways, nearest oiled highway 26 miles to Milford Utah, South of project. Operating conditio ns good the yearlong. 32 miles north to the oiled highways at Deseret Utah, All gravel roads are good and fairly well kept up by the county.

Q-13- Underground water supply available within 500' drilling and can be pumped with wind power.

Q-14- It's estimated that the cost of a water well will not exceed $800.00.

List of facilities and equipment available for use in the furthering of this project. Two three room dwellings,
One tool house 10x10'.
2-Jack Hammers, Very good.
Hoses and Drills for Drilling.
Trucks -two- 1 ton one Dump other Stake body.
Tractor, Electric 55. Good. 4 Drill mixer.
Compressor, 360' Capacity. Good 600' air line.
One Crusher, 8"x10" Jaw type. With power unit.
Road Grader, Austin Western No.3[illegible] Good
One Hammer Mill, Crusher No.[illegible] 42.0. Good
Kiln, Kilns, Track and Cars (½ ton kiln)
On hand now 500# powder, 10 tons coke.
Two Wheelbarrows, Good.
Shovels, picks, Double Jacks, Single Jacks, Barrs, Steel rods, Anvil, Blower, and Blacksmith tools.
Ramp at the R.R. Track for loading purposes.
Carpentery tools, pulleys, log chains, skip car.
30 foot conveyor. Chain elevator with small motor unit, Jack hammer oiler and tail hose or whip.
Two 7/8" x 12 ' loading sticks or tamping sticks.
Wrenches of all kinds.
Electric Blasting outfit.
One 500# Drag line scrapper.
Several pieces of hand steel.
Several bars of thick steel.
Several bars of mild steel various sizes.
1500# paper bags on hand Trademark bags for Q.L.
Kiln cars, cable, mine rails,
Two Kilns 6'x7' x 54' very efficient Kilns.
Picks and curry all ready for action.
Several cwt. assorted bolts and nails.

Q-15- Products will be shipped by rail and truck transportation. And will be refined and filled in plant on the Project.

Q-16- This Project is a Newly developed project. We thought we were ready to start shipping Two years ago and when we started and checked our plant we were blowing away 30 % of the very best pulverized lime, so we had to stop operations until we can get better and larger equipement to pulverize and bag our product. We operated long enough to find the bugs or bottlenecks of our operations and we have located the proper machinery hence this application.
(b) All other similar operations within this State are operating in very low grade materials and are compelled to hydrate their product ,in other words their product is in the lower grades and very little quicklime is made here in utah because of poor grades
(c) The enclosed report was surveyrd and conducted and mapped by the Geneva Steel Company, a person by the name of Keith Hryse was the engineer that made the survey. And this Survey was made from a metalurgical outlook and standpoint. And was a very complete report.

Q-17- We have only been in production on trial runs, And only enough to give us a clear picture of what we need to complete the project. And we learned that our estimates are somewhere near correct. We are designed to make 30 tons of quick lime daily. And we aim to get $10.00 per ton. When our competition allows us to sell at $20.00 and still be wholesale. And in our local retail selling we can sell for $40.00 and as high as $60.00 per ton in the more distant places.

Q-18- We have operated only long enough to determine our real needs and to prove the worth of the project.
(a) Our deposits are very high in mineral reserves,consisting of Calcium and Magnesium Limestones as you will note from the enclosed maps and analysis,
(b) Maps enclosed herewith.
(c) Unlimited.

Q-19- I think it is made clear in the forgoing statements.

Q-20- Calcium,and Magnesium,ores And for development purposes in the refining stages,and not for exploration.

Q-21- Purchase and installation of pulverising and bagging machinery, and the associated bins and conveyors and elevators and regulation feed equipement, together with excavation work and the construction of concrete bases for the machinery, plus a 40'x 60' concrete block warehouse, with cement floor 6" thick . We plan to have this job done within 90 days after the go sign, but our better judgement says better ask for 6 months.

Q-22- Maps and assays and showing our project in detail. We might state here that all of this purposed work will be on the pulverising and bagging end of our works, and will be 800'below the lower installations as shown on the maps.

Q-23-	Quarrymen 2 @ $12.00 per day each		$24.00	
	Powder man 1 @ $12.00 " "		12.00	
	Kiln men 3 @ $12.00 " " "		36.00	
	Truck Driver	12.00	12.00	
(a)	Millwright 1	20.00	20.00	
	Time Keeper 1	12.00	12.00	
	Mill men 2	12.00	24.00	
	Foreman 1	15.00	15.00	
Totals	12		$155.00 x 90 days	$13,950.00
(b)	Supervisor 1	$20.00		
	Engineer 1	20.00		
	Consultant 1	5.00		
Totals	3	45.00 x 90 days	----------	$ 4,050.00
	Truck repairs		$ 400.00	
(c)	Kiln repair near grates		100.00	
	Screen, hard steel		13.00	
	Tractor repair,		200.00	
Total		---------	$ 713.00	$ 713.00
	Warehouse 40'x50' C.Block		$ 4000.00	
(d)	Footings 24 yds.		400.00	
	Bagging Bins & measuring devise,		1000.00	
	Pulvereing machinery,		12000.00	
Total		----------	$ 17400.00	$17400.00
	Grizzley and screen,		$ 500.00	
(e)	Binn installation		400.00	
&	Toolhouse frame,		500.00	
	Bags shipping 1 carload		1500.00	
(f)	Chutes & reg. feed,		600.00	
	Crane rental,		160.00	
Total			$ 4160.00	$4160.00
	Tractor rental 90 days		$ 500.00	
(g)	Compressor " "		500.00	
	Jack Hammer 2 " "		200.00	
	Grader 90 days		50.00	
Totals			$ 1250.00	$1250.00
	Shovels RP 6		$ 18.00	
	Picks 6		18.00	
(h)	Battery 1 12 volt		45.00	
	Batterys 2-6 volt		40.00	
	Tires Truck 8		240.00	
	Tubes Truck 8		32.00	
	Insurance Truck		48000	
	Lisence "		15.00	
	Handles D.J. 12		20.00	
	First Aid Kits 2		10.00	
Totals			$ 488.00	$ 488.00
	this page			$42011.00

Q-23- con'td.

Brought forward from page five $		$42011.00
(i) Our power is all gasoline or deisel and we will use daily about	$ 20.00	
Oils and grease about	5.00	
Total	$ 25.00	$ 2250.00
500' water well 2"pipe, Wind Mill power		$ 3500.00
Coke 50 tons @ $12.00 per ton,		600.00
Totals grand		$48361.00
Marketing and operating	$6639.00	6639.00
Required loan which this app. calls for,		$55000.00

Q-24- $ 22,493.00 to be expended the first 30 days, for labor and equipment, excavating setting forms and running cement will be the first activities.

12,031.00 to be expended for each of the following months, at which time we will begin production at which time there will be $6639.00 to begin our marketing with. We will have all the equipment installed and will be in operations.

Enclosed herewith please find maps and plans of our project and will be listed as exhibits -1- -2- -3- -4- and -5- and in the event of a rejection you will please return the exhibits.
And in the event that the Government should desire to relieve the Rail Roads of that long haul from the East to the West, handeling lime and lime products we can build into rotary kiln size with but little more help. One thing you can rely upon is the fact that we have the product of the very highest quality to produce magnesium, and the Dead Burned Dolomite and the very best of Quick Lime for the building trades through all the west.

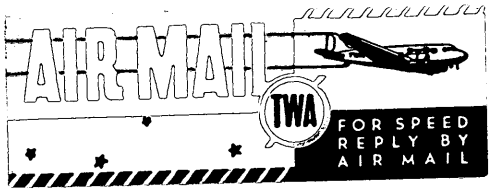
We trust that you will give this application due consideration without a political taint, We are just a couple of very common folk trying to make it the honest way, and we have something we think the R.F.A. can profit from in the way of mobilization help.

Thanks for this opertunity and the very quick responce to my encuire.

Very sincerely, D M Adair

CRICKET LIME AND DOLOMITE CO?
BLACK ROCK, UTAH? MILLARD COUNTY.

.M.Adair, Manager Cricket Lime & Dolomite Co.
Black Rock, Utah. Millard County.



REGISTERED
NO. 517

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

MAY 31 1951

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. dma-1451X

Date received 5/31/51

Participation

Name and address of applicant

R.W. Adair, Manager, Cricket Lime and Dolomite Co.
Black Rock, Millard County, Utah.

All questions answered on annexed forms or sheets

Date May 28, 1951.

FILL IN THIS BLOCK

Date of application May 28 1951,

Estimated cost $55,000.00

Mineral or metal Magnesium, dolomite

Percentage of Government participation 50%

Location of mine Millard Co, Utah.

10 miles North of Black Rock. Utah Plant location.

Date of filing MF-100 no previous filing

DMA Docket Number, if available

INSTRUCTIONS

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*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
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24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Cricket Lime and Dolomite Co. (Name of company)

By D M Adair (Signature of authorized official)

May 28, 1951 (Date)

Owner & Manager, (Title)

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

*Same as footnote on page 1.

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

ANSWERS TO QUESTIONS - Form SF-103
U.S. [illegible] TO [illegible] AND INFORMATION.

-1 Partnership.
-2 D.W.Adair, Black Rock, Utah. and J.C.Adair Denver Colorado.
8970 S. Porter,

-3 Hasn't been incorporated.
-4 10 years in practical applications in the following experience. Mining, Milling, Road Construction, General Building, Bridges, Pipelines, Sanitary Systems, Forestry, Farming, Lumbering, and last of all 10 years experience in studying the lime industry and its place and value in the Western United States, along with the development of this project. The above in this question is the experience of D.W. Adair, Manager and instigator. of this project coupled with the help of my son D.W.Adair, J.C.Adair, is a graduate in Geology and Engineering with 10 years experience in field Oil Geology with the Department and other Agencies, Farming, Construction Engineering during the construction of the Geneva Steel Plant near Provo Utah. along with assisting in the development of this project. He is now employed in microscopic oil geology by the Departments located at Denver.

-5 Owners of property by reason of filings, and owner by split claim deed, of three original claims, namely Ella Interest and Jane Interest and [illegible] Mark Oil at Provo Utah.

-6 Springville Banking Co. of Springville Utah. [illegible].
-7 Owners of property. (Original [illegible])
-8 We owe the [illegible] to the bank. (borrowed money) plus $333.00 on equipment, that belongs to the project.
We have no bond, no money, [illegible] have in sight blocked out 10 million tons of rock class of very highest grade of material (rock) both dolomite and Calcium as shown on the enclosed map. When you consider the valuation of these materials as we expect to the project there is no way to estimate their value only as they are sold because their valuation is to great, but look at it from my angle and estimate the magnesium valuation in this average deposit at 20.5% that means that there is 20.5% (pounds) in every 100 pounds of stone ,and for every 2 tons Dolomite stone processed would yield 205 tons of pure magnesium. This cannot be beaten anywhere in this world to the best of my knowledge and from very good authority. My estimate of quantity is that material which is available for processing ~~at~~ suffrom our present plant site, and I am refering to stock piling near the R.R.Track near here for the Government. Therefor I am estimating this stone at 25¢ per ton in place,which amounts to 5 Million $ for the 20 Million tons in sight and blocked out. And we have Equipment to the amount of $20.000 On hand such as Dwellings(two), Trucks (two) One Tractor Cletrac D5, with bull dozer, Two Jackhammers, One Compressor 360 ft.Schramm. Crusher 8"x10" jaw type, Hammer Mill Grundler no.4, one Road Grader, Austin Western No.35. One tool house 10'x10' and light tools as hammers,picks, barrs, hoses,shovels,wrenches, 600' air pipe lines. 200 powder, fuses and caps, coke, two power units(gass)

for operation of the Crusher and Hammermill, five bins of wood construction, two Kilns installed or built into the mountain 6'x7' x 54' high. These Kilns were blasted out of the solid hill by drifting 45'with a 5'x~~x~~ 7' drift and raising 54' to the surface at the dip end of stratta J-4 as shown on exibit -2- of the enclosed sheets,and our quarry is in the up dip above the Kiln's in the same strat~~t~~a so to feed from the same quality, Our supply of raw materials are in sufficient supply from this one setting that one could state "inexaustible supply" and be safe. In all our expiermental work up to now in this project we have been able to make Quick Lime at a cost of $15.00 per ton and our nearest ~~competitionin~~ competition for quality is in Missouri,and Ohibo,and is delivered into Salt Lake City Utah, at a cost of about $30.00 fob the car. So this is the price we have to meet and will be our selling price at that point, and in doing this we estimate $10.00 per ton profit net. And our capacity of 30 tons per day gives us a $300.00 daily income. And our market is unlimited through all the west and half way to Missouri going east. So you can see our possiblities just for the one product (Calcium Quick Lime) for the building trades. And then another possibility we have in the Dead Burned Dolomite trade that is all shipped from Cleveland Ohio to the west for the refractory purposes in the steel manufactuary. We have a superior product with which to make this product in our Dolomite deposit and the purity of it.

Q9-

Sense we have an investment of $60000.00 and we need that much more to complete our project. We think that we should have credit for this on a particiation plan of at least 50% when we have it so near production,and we also want to secure the Government with our property and the income therefrom. We will be in production within ~~of~~ six months after we get a go sign, and will begin return payments upon marketing receipts.

Here is one thing you may consider. We will be able to stockpile, Dolomite containing 20.5 lbs of magnesium per 100 lbs. of stone, to the railroad at Cruz R.R.siding in Millard County Utah near our deposits at a compeditive price, with less than a two mile haul, better yet maybe the D.M.A. would be interested in an option on the deposit that is exposed and has no overburden as shown in exibit -2- of the maps,and is within ~~two~~ two miles from the shipping point,which has an estimated tonage of 4 million tons, and the D.M.A. would place a valuation 25¢ per ton in place,and then option it for ~~XXX~~ 10 years by advancing us 80.000 dollars,and forget this loan and we would get ourselves into buisness with this project,we would like that. Exibit no-2- H 1-12 shows this deposit.I think that this deposit and our application should be given full consideration and not poked into the wastebasket unnoticed, We cut some figure in our possibilities and if the D.M.A. can find use for our products we will contribute liberly to our Moblization cause.

-10- Description of property: [illegible] Sec. [illegible], also [illegible] Sec. 5, [illegible] and [illegible] Sec. [illegible], also [illegible], [illegible], Sec. 9, all in Tp. 23 S. R. [illegible] 9 W. Salt Lake Base and Meridian, in Millard County Utah, comprising 1[illegible] acres held under placer and lode claims.

-11- Cricket Lime & Dolomite Co. New Discovery, Partly Developed

-12- Plant is located on the property which is located 10 miles North of Black Rock, Utah, the nearest R.R. and Rail Head with an Operator employed day shift from 8 A.M. to 4 P.M. 5 days each week. No service Saturday nor Sunday. Also 40 miles South from Delta Utah, Also 144 miles South from Geneva Utah, Southern Pacific RR. Miles. Also 34 miles West from Knolls, Utah on highway 91, All gravel highways, nearest oiled highway 26 miles to Milford Utah, South of project. Operating conditions good the yearlong. 34 miles north to the oiled highways at Deseret Utah, All gravel roads are good and fairly well kept up by the county.

-13- Underground water supply available within 500' drilling and can be pumped with wind power.

-14- It is estimated that the cost of a water well will not exceed $[illegible].00.

List of facilities and equipment available for use in the furthering of this project. One three room dwelling,
One tool house 10x10'.
Jack hammers, Very good.
Power and drills for drilling.
Trucks -two- 1 ton one dump other stake body.
Tractor, Allstate 55. Good. 3 Trail miller.
Conveyor, 100' Chrome. Good [illegible] air [illegible].
One crusher, [illegible] jaw type. With power unit.
Good screen, Martin Western No.[illegible] Good
One hammermill, Crandler No.[illegible] [illegible]. Good
Bins, Bins, Track and Cars (1 ton bins)
On hand now [illegible] mixer, 10 tons cone.
Two wheelbarrows, Good.
Shovels, picks, double jacks, single jacks, bars,
Steel rods, Anvil, Floter, and Blacksmith tools.
Track at the R.R. Track for loading purposes.
Carpentry tools, pulleys, log chains, skip car.
30 foot conveyor. Chain elevator with small power unit, Jack hammer oiler and tail hose or whip.
Two 7/8" x 12' loading sticks or tamping sticks.
Wrenches of all kinds.
Electric Blasting outfit.
One 500# drag line scraper.
Several pieces of hand steel.
Several bars of black steel.
Several bars of mild steel various sizes.
1500# paper bags on hand Trademark bags for [illegible].
Mine cars, cable, mine rails,
Two kilns 6'x7' x [illegible]' very efficient kilns.
Sands and quarry all ready for action.
Several cwt. assorted bolts and nails.

Q-15- Products will be shipped by rail and truck transportation. And will be refined and filled in plant on the Project.

Q-16- This Project is a Newly developed project. We thought we were ready to start shipping Two years ago and when we started and checked our plant we were blowing away 30% of the very best pulverized lime, so we had to stop operations until we can get better and larger equipement to pulverize and bag our product. We operated long enough to find the bugs or bottlenecks of our operations and we have located the proper machinery hence this application.
(b) All other similar operations within this State are operating in very low grade materials and are compelled to hydrate their product ,in other words their product is in the lower grades and very little quicklime is made here in utah because of poor grades
(c) The enclosed report was surveyrd and conducted and mapped by the Geneva Steel Company, a person by the name of Keith Hayes was the engineer that made the survey. And this Survey was made from a metelurigical outlook and standpoint. And was a very complete report.

Q-17- We have only been in production on trial runs, and only enough to give us a clear picture of what we need to complete the project. And we learned that our estimates are somewhere near correct. We are designed to make 30 tons of quick lime daily. And we aim to get $10.00 per ton. When our competition allows us to sell at $30.00 and still be wholesale. And in our local retail selling we can sell for $40.00 and as high as $60.00 per ton in the more distant places.

Q-18- We have operated only long enough to determine our real needs and to prove the worth of the project.
(a) Our deposits are very high in mineral reserves,consisting of Calcium and Magnesium limestones as you will note from the enclosed maps and analysis,
(b) Maps enclosed herewith.
(c) Tonage, (unlimited)

Q-19- I think it is made clear in the forgoing statements.

Q-20- Calcium,and Magnesium,ores And for developement purposes in the refining stages,and not for exploration.

Q-21- Purchase and installation of pulverising and bagging machinery, and the associated bins and conveyors and elevators and regulation feed equipement, together with excavation work and the construction of concrete bases for the machinery, plus a 40'x 60' concrete block warehouse, with cement floor 6" thick . We plan to have this job done within 90 days after the go sign, but our better judgement says better ask for 6 months.

Q-22- Bins and serrys and showing our project in detail. We might state here that all of this purposed work will be on the pulverising and bagging end of our works, and will be 200'below the lower installations as shown on the maps.

-23-	Quarrymen 6	18.00 per day each	54.00	
	Powder man 1	18.00 " "	18.00	
	Kiln man 3	18.00 " " "	54.00	
	Truck Driver	18.00	18.00	
(a)	Millwright 1	20.00	20.00	
	Fire Tender 1	18.00	18.00	
	Mill men	18.00	21.00	
	Foreman 1	15.00	15.00	
Totals	17		$185.00 x 90 days	$16,650.00
(b)	Supervisor 1	900.00		
	Engineer 1	20.00		
	Consultant 1	5.00		
Totals	3	925.00 x 90 days		$ 6,250.00
	Truck repairs		$ 100.00	
(c)	Kiln repair wear parts		100.00	
	Screen, hard steel		15.00	
	Tractor repair,		500.00	
Total			715.00	$15,[illegible]
	Warehouse 80'x50' S.Block		$ 4000.00	
(d)	Footings 28 yds.		400.00	
	Earling Bins & measuring device,		1000.00	
	Conveying machinery,		12000.00	
Total			17400.00	17,[illegible]
	Grizzley and screen,		500.00	
(e)	Bins installation		400.00	
	Toolhouse frame,		500.00	
	Bags shipping 1 carload		1500.00	
(f)	Chutes & reg. feed,		600.00	
	Crane rental,		160.00	
Total			3160.00	$1[illegible]
	Tractor rental 90 days		$ 500.00	
(g)	Compressor " "		500.00	
	Jack Hammer 2 " "		200.00	
	Grader 90 days		50.00	
Totals			1250.00	$1250.00
	Shovels SP 6		15.00	
	Picks 6		15.00	
(h)	Battery 1 12 volt		40.00	
	Batterys 2-6 volt		40.00	
	Tires Truck 8		240.00	
	Tubes Truck "		32.00	
	Insurance Truck		60.00	
	Licence "		15.00	
	Handles S.J. 12		20.00	
	First Aid Kits 8		10.00	
Totals			483.00	$ 483.00
	this page			$42011.00

-23- con'td.
Brought forward from page five $ $42011.00

(i) Our power is all gasoline or deisel
and we will use daily about $ 20.00
Oils and grease about 5.00
Total $ 25.00 $ 2250.00

500' water well 2" pipe, wind Mill
power $ 3500.00
Coke 50 tons @ $12.00 per ton, 600.00
Totals grand $48361.00
Marketing and operating 6639.00
Required loan which this app.calls for, $55000.00

-24- $ 28,498.00 to be expended the first 30 days, for labor and equipment, excavating setting forms and running cement will be the first activities.
$ 12,031.00 to be expended for each of the following months, at which time we will begin production at which time there will be $6639.00 to begin our marketing with. We will have all the equipment installed and will begin operations.

Enclosed herewith please find maps and plans of our project and will be listed as exhibits -1- -2- -3- -4- and -5- and in the event of a rejection you will please return the exhibits.
And in the event that the government should desire to relieve the Rail lands of that long haul from the East to the West, handeling lime and lime products we can build into rotary kiln size with but little more help. One thing you can rely upon is the fact that we have the product of the very highest quality to produce magnesium, and the best burned dolomite and the very best of Quick lime for the building trades through all the west.

We trust that you will give this application due consideration without a political taint, We are just a couple of very common folk trying to make it the honest way, and we have something we think the R.F.A.can proffit from in the way of mobilization help.

Thanks for this opertunity and the very quick responce to my enquire.

Very sincerely, D M Adair

CRICKET LIME AND DOLOMITE CO.
BLACK ROCK, UTAH, MILLARD COUNTY.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

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

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1451 X

Date received 5/31/51

Participation

D.M.Adair, Manager, Cricket Lime and Dolomite Co.
Black Rock, Millard County, Utah.

All questions answered on annexed forms or sheets

Name and address of applicant

Date May 28,1951.

FILL IN THIS BLOCK

Date of application May 28 1951,

Estimated cost $55.000.00

Mineral or metal Magnesium,&Calcium

Percentage of Government participation 50%

Location of mine Millard co, Utah.

10 miles North of Black Rock. Utah Plant location.

Date of filing MF-100 no previous filing

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

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

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

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

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

16—64067-1

THE PROPERTY

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

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

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

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

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

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

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

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

*16. History:

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

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

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

*17. Production:

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

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

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

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

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

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

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

THE EXPLORATION

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

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

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

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

THE REQUIREMENTS AND COSTS

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

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

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

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

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

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

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

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

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

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

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

CERTIFICATION

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

Cricket Lime and Dolomite Co. (Name of company) By O M Adair (Signature of authorized official)

May 28, 1951 (Date) Owner & Manager, (Title)

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

*Same as footnote on page 1.

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

ANSWERS TO QUESTIONS - Form WF-103
U.S. DEPARTMENT OF SMALL ADMINISTRATION.

Q-1 Partnership.
Q-2 D.M.Adair, Black Rock, Utah. and J.S.Adair Denver Colorado.
2970 S. Dexter,

Q3 Hasn't been incorporated.
Q-4 20 years in practical applications in the following experiences. Mining, Milling, Road Construction, General Building, Bridges, Pipelines, Sanitary Systems, Forestry, Farming, Lumbering, and last of all 10 years experience in studying the lime industry and its place and value in the Western United States, along with the development of this project. The above in this question is the experience of D.M. Adair, Manager and instigator of this project cupled with the help of my son D.M.Adair,
J.S.Adair, is a graduate in Geology and Engineering with 10 years experience in field Oil Geology with the Department and other Agencies, Farming, Construction Engineering during the construction of the Geneva Steel Plant near Provo Utah. Along with assisting in the development of this Project. He is now employed in microscopic Oil Geology by the Departments located at Denver.

Q-5

Owners of property by reason of Claimants, and purchase by Quit Claim Deeds, of three original Claimants, namely Nels Peterson and Anna Peterson and S.H. Clark all of Provo Utah.

Q-6 Springville Banking Co. of Springville Utah. 1800.00.
Q-7 Owners of property. (ortgage)
Q-8 We owe the $1800.00 to the bank.(borrowed money) plus $333.00 on equipement, that belongs to the project.
We have on hand, no money, We have in sight blocked out 10 Million tons of each class of very highest grade of material (raw) both Dolomite and Calcium as shown on the enclosed maps When you consider the valuation of these materials as we assert to the project there is no way to estimate their value only as they are sold because their valuation is to great, but look at it from my angle and estimate the magnesium valuation in this emerge deposit at 20.5% that means that there is 20.5# (pounds) in every 100 pounds of stone ,and for every 4 tons Dolomite stone processed would yield 205 tons of pure magnesium. This cannot be beaten anywhere in this world to the best of my knowledge and from very good authority. My estimate of quantity is that material which is available for processing ~~xxxx~~from our present plant site, and I am refering to stock piling near the R.R.Track near here for the Government. Therefor I am estimating this stone at 25¢ per ton in place,which amounts to 5 Million $ for the 20 Million tons in sight and blocked out. And we have Equipement to the amount of $20.000 On hand suches Dwellings(two),Trucks (two) One Tractor Cletrac 55, with bull dozer, Two Jackhammers, One Compressor 360 ft.Schramm. Crusher 8"x24" jaw type, Hammer Mill Grundler no.4, one Road Grader, Austin Western No.36.One tool house 10'x10'and light tools as hammers,picks, barrs, hoses,shovels,wrenches, 600' air pipe lines. 200# powder, fuses and caps, coke, two power units(gass)

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-9-

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Q-10- Discripton of property: NW¼ Sec.8, also E½ Sec.5, N½ and SE¼ Sec.4, also W½, NE¼, Sec.9, all in Tp.23 S. R.XX 9 W. Salt Lake Base and Mederian, in Millard County Utah, comprising 1040 acres held under plaser and lode claims.

Q-11- Cricket Lime & Dolomite Co. New Discovery, Partly Developed

Q-12- Plant is located on the property which is located 10 miles North of Black Rock, Utah, the nearest P.O. and Rail Head with an Operator employed day shift from 8"A.M. to 4"P.M. 5 days each week. No service Saturday nor Sunday. Also 40 miles South from Delta Utah, Also 144 miles South from Geneva Utah, XXXXXXXXXX Union Pacific RR. miles. Also 34 miles West from Knosha, Utah on highway 91, All gravel highways, nearest oiled highway 26 miles to Milford Utah, South of project. Operating conditio ns good the yearlong. 32 miles north to the oiled highways at Dederet Utah, All gravel roads are good and fairly well kept up by the county.

Q-13- Underground water supply available within 500' drilling and can be pumped with wind power.

Q-14- It's estimated that the cost of a water well will not exceed $3500.00.

List of facelities and equipement available for use in the furthering of this project.

Two three room dwellings,
One tool house 10x10'.
2-Jack Hammers, Very good.
Hoses and drills for drilling.
Trucks -two- 1½ton one Dump other Stake body.
Tractor, Cletrac 55. Good. & Trail Builder.
Compressor, 360' Schramm. Good 600' air pipe.
One Crusher, 8"x24" Jaw type. With power unit.
Road Grader, Austin Western No.35 Good
One Hammer Mill, Grundler No.4. &P.U. Good
Bins, Kilns, Track and Cars (½ ton mine)
On hand now 200# powder, 10 tons coke.
Two Wheelbarrows, Good.
Shovels, picks, Double Jacks, Single Jacks, Barrs,
Steel rods, Anvil, Blower, and Blacksmith tools.
Ramp at the R.R.Track for loading purposes.
Carpentery tools, pulleys, log chains, skip car.
30 foot conveyor. Chain elevator with small power unit, Jack hammer oiler and tail hose or whip.
Two 7/8" x 12 ' loading sticks or tamping sticks.
Wrenches of all kinds.
Electric Blasting outfit.
One 500# Drag line scrapper.
Several pieces of hand steel.
Several bars of Pick steel.
Several bars of mild steel various sizes.
1500# paper bags on hand Trademark bags for Q.L.
Mine cars, cable, mine rails,
Two Kilns 6'x7' x 54' very efficient Kilns.
Roads and quarry all ready for action.
Several cwt. assorted bolts and nails.

Q-15- Products will be shipped by rail and truck transportation. And will be refined and Milled in plant on the Project.

Q-16- This Project is a Newly developed project. We thought we were ready to start shipping Two years ago and when we started and checked our plant we were blowing away 30% of the very best pulverised lime, so we had to stop operations until we can get better and larger equipement to pulverize and bag our product. We operated long enough to find the bugs or bottlenecks of our operations and we have located the proper machinery hence this application.
(b) All other similar operations within this State are operating in very lowgrade materials and are compelled to hydrate their product ,in other words their product is in the lower grades and very little quicklime is made here in utah because of poor grades
(c) The enclosed report was surveyrd and conducted and mapped by the Geneva Steel Company, a person by the name of Keith Hayse was the engineer that made the survey. And this Survey was made from a metalurigical outlook and standpoint. And was a very complete report.

Q-17- We have only been in production on trial runs, And only enough to give us a clear picture of what we need to complete the project. And we learned that our estimates are somewhere near correct. We are designed to make 30 tons of quick lime daily. And we aim to net $10.00 per ton. When our competition allows us to sell at $30.00 and still be wholesale. And in our local retail selling we can sell for $40.00 and as high as $60.00 per ton in the more distant places.

Q-18- We have operated only long enough to determine our real needs and to prove the worth of the project.
(a) Our deposits are very high in mineral reserves,consisting of Calcium and Magnesium Limestones as you will note from the enclosed maps and annalysis,
(b) Maps enclosed herewith.
(c) Tonage, (unlimited)

Q-19- I think it is made clear in the forgoing statements.

Q-20- Calcium,and Magnesium,oxes And for development purposes in the refining stages,and not for exploration.

Q-21- Purchase and installation of pulverising and bagging machinery, and the associated bins and conveyors and elevators and regulation feed equipement, togather with excavation work and the construction of concrete bases for the machinery, plus a 40'x 60' concrete block warehouse, with cement floor 6" thick . We plan to have this job done within 90 days after the go sign, but our better judgement says better ask for 6 months.

Q-22- Maps and assays and showing our project in detail. We might state here that all of this purposed work will be on the pulverising and bagging end of our works, and will be 200'below the lower installations as shown on the maps.

Q-23-	Quarrymen 2 @ $12.00 per day each		$24.00	
	Powder man 1 @ $12.00 " "		12.00	
	Kiln men 3 @ $12.00 " " "		36.00	
	Truck Driver	12.00	12.00	
(a)	Millwright 1	20.00	20.00	
	Time Keeper 1	12.00	12.00	
	Mill men 2	12.00	24.00	
	Foreman 1	15.00	15.00	
Totals	12		$155.00 x 90 days	$13,950.00
(b)	Supervisor 1	$20.00		
(	Engineer 1	20.00		
	Consultant 1	5.00		
Totals	3	45.00 x 90 days	----------	$ 4,050.00
	Truck repairs		$ 400.00	
(c)	Kiln repair near grates		100.00	
	Screen, hard steel		13.00	
	Tractor repair,		200.00	
Total			$ 713.00	$ 713.00
	Warehouse 40'x50' C.Block		$ 4000.00	
(d)	Footings 24 yds.		400.00	
	Bagging Bins & measuring device,		1000.00	
	Pulverzing machinery,		12000.00	
Total			$ 17400.00	$17400.00
	Grizzley and screen,		$ 500.00	
(e)	Binn installation		400.00	
&	Toolhouse frame,		500.00	
	Bags shipping 1 carload		1500.00	
(f)	Chutes & reg. feed,		600.00	
	Crane rental,		160.00	
Total			$ 4160.00	$4160.00
	Tractor rental 90 days		$ 500.00	
(g)	Compressor " "		500.00	
	Jack Hammer 2 " "		200.00	
	Grader 90 days		50.00	
Totals			$ 1250.00	$1250.00
	Shovels RP 6		$ 18.00	
	Picks 6		18.00	
(h)	Battery 1 12 volt		45.00	
	Batterys 2-6 volt		40.00	
	Tires Truck 8		240.00	
	Tubes Truck 8		32.00	
	Insurance Truck		48.00	
	Lisence "		15.00	
	Handles D.J. 12		20.00	
	First Aid Kits 2		10.00	
Totals			$ 488.00	$ 488.00
	this page			$42011.00

Q-23- con'td.

Brought forward from page five $ $42011.00

(i) Our power is all gasoline or deisel and we will use daily about $ 20.00
Oils and grease about 5.00
Total $ 25.00 $ 2250.00

500' water well 2"pipe, Wind Mill power $ 3500.00
Coke 50 tons @ $12.00 per ton, 600.00
Totals grand $47361.00
Marketing and operating $6639.00 6639.00
Required loan which this app. calls for, $55000.00

Q-24- $ 22,495.00 to be expended the first 30 days, for labor and equipment, excavating setting forms and running cement will be the first activities.

$ 12,931.00 to be expended for each of the following months, at which time we will begin production at which time there will be $6639.00 to begin our marketing with. We will have all the equipment installed and will begin operations.

Enclosed herewith please find maps and plans of our project and will be listed as exibits -1- -2- -3- -4- and -5- and in the event of a rejection you will please return the exibits.
And in the event that the Government should desire to relieve the Rail Roads of that long haul from the East to the West, handeling lime and lime products we can build into rotary kiln size with but little more help. One thing you can rely upon is the fact that we have the product of the very highest quality to produce magnesium , and the Dead Burned Dolomite and the very best of Quick Lime for the building trades through all the west.

We trust that you will give this application due consideration without a political taint, We are just a couple of very common folk trying to make it the honest way, and we have something we think the D.V.A.can proffit from in the way of mobilization help.

Thanks for this opertunity and the very quick responce to my enquire.

Very sincerely, D M Adair

CRICKET LIME AND DOLOMITE CO?
BLACK ROCK, UTAH? MILLARD COUNTY.

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1451 Z
Magnesium & Calcium
Commodity (Limestone)
Total Amount $55,000
Govt. Participation 50%

1. Name and Address of Applicant D.M. Adair, Agent, Crochet Lime and Dolomite Co., Black Rock, Millard Co., Utah

2. Location of Property 10 miles North of Black Rock

3. Mineral or metal Limestone Is it listed in Section 9 of MO-5? NO

If not, application will be rejected.

4. Geologic probability of discovery -- based on data in application (question #16, 17, 18, 20 and 22).*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know -- needs field examination

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? (question 5, 6, 7)

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future productive period?

*Question numbers are those of MF-102

6/6 OPM

Defense Minerals Administration
Reference Slip

Date 6/5

To: 1. Barr
2. Mr Wachey
3.
4.

DMA 1451X

For Action ✓
Reply
Information
Remarks:

Sender LANDON F. STROBEL
GHL

3
Mr. Strobel DMA 1451X

Forwarded to

Branch

Date

Sender

2
Mr. Strobel DMA 1451X

Forwarded to

Branch

Date

Sender

1
Mr. Strobel DMA 1451X

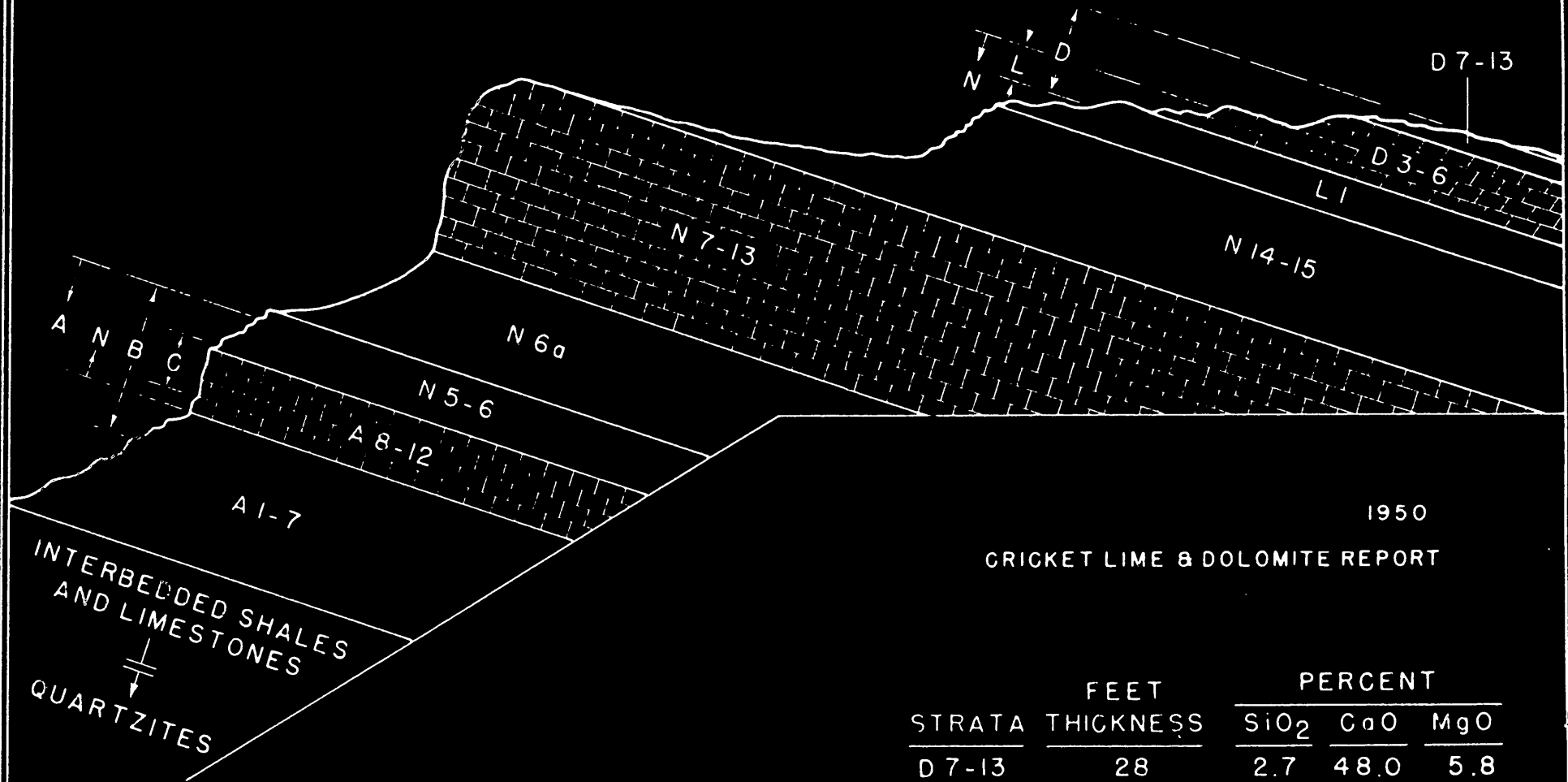
Forwarded to

Branch

Date

Sender

92758



1950

CRICKET LIME & DOLOMITE REPORT

STRATA	FEET THICKNESS	PERCENT SiO_2	PERCENT CaO	PERCENT MgO
D 7-13	28	2.7	48.0	5.8
D 3-6	73	0.5	31.5	20.4
L I	51	0.7	47.5	7.2
N 14-15	159	2.2	51.7	2.3
N 7-13	246	0.9	52.9	2.7
N 6a	137	NOT DETERMINED		
N 5-6	72	5.7	49.9	1.0
A 8-12	85	0.9	55.2	0.2
A 1-7	185	3.5	52.0	1.4

SEQUENCE & INTERVAL OF STRATA

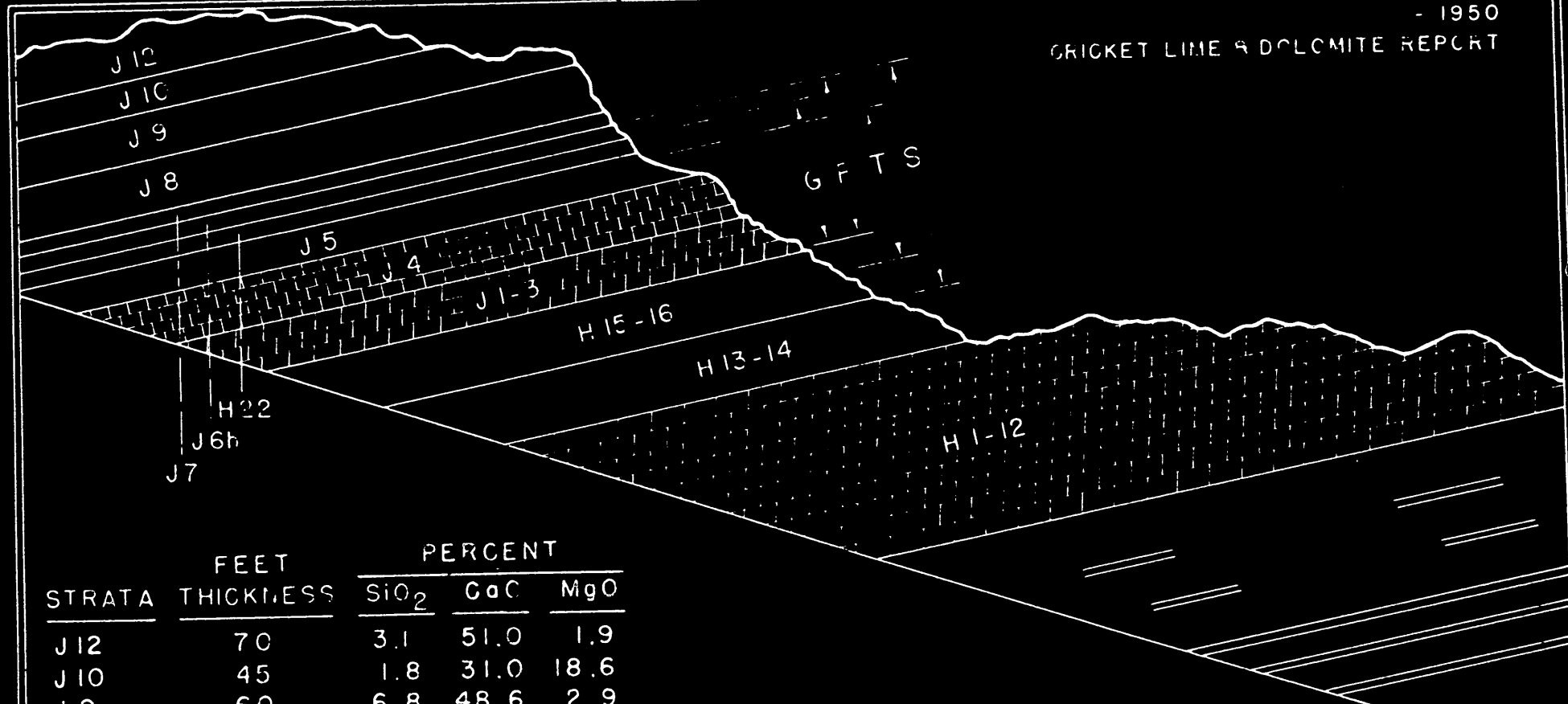
VICINITY OF LINES A, D, L & N

RELATIVE POSITION OF LINES B & C IS INDICATED

SCALE: 1" = 20'

- 1950

CRICKET LIME & DOLOMITE REPORT



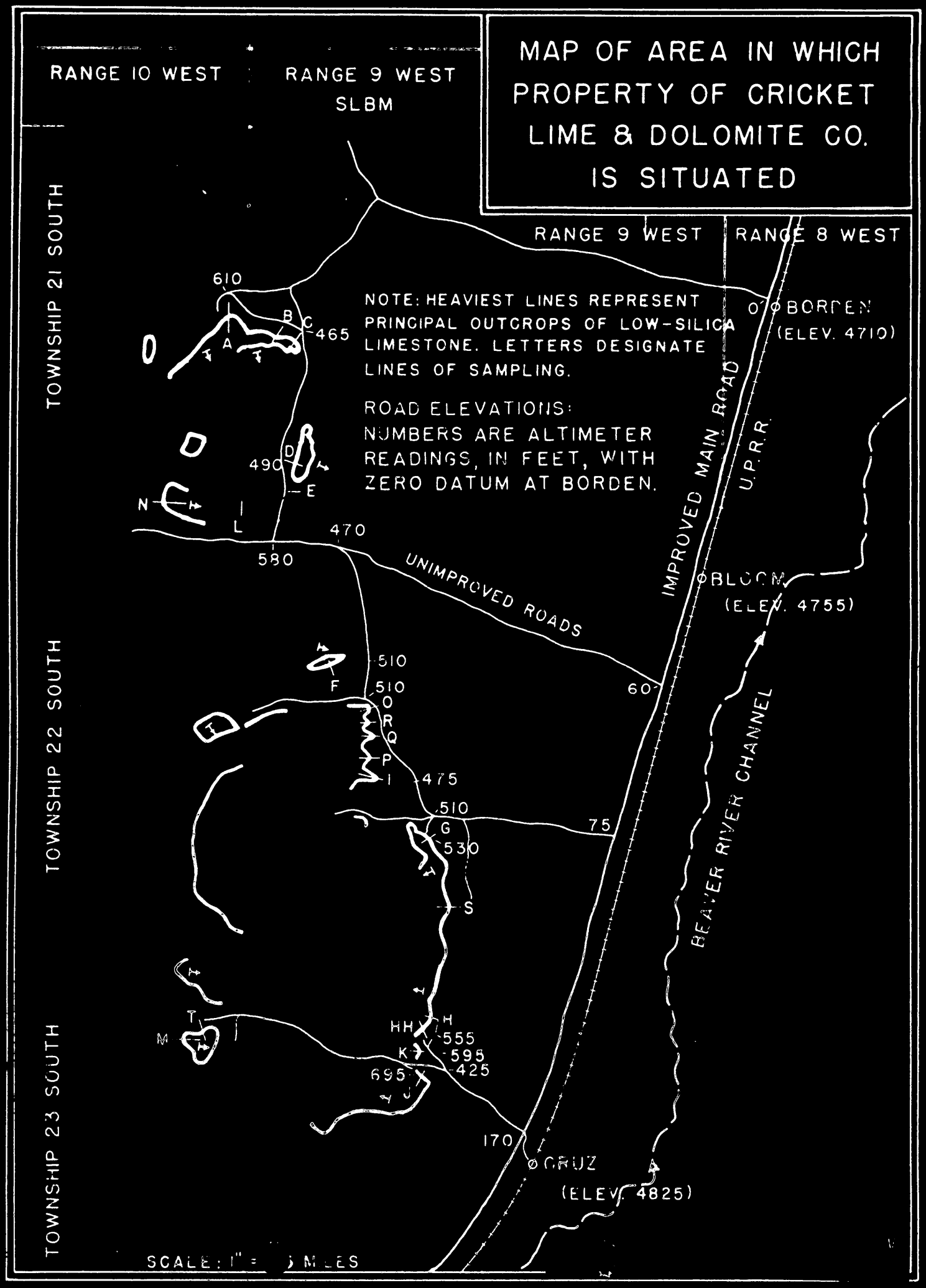
STRATA	FEET THICKNESS	PERCENT SiO_2	CaC	MgO
J 12	70	3.1	51.0	1.9
J 10	45	1.8	31.0	18.6
J 9	60	6.8	48.6	2.9
J 8	70	4.2	50.2	1.9
J 7	20	6.2	50.0	1.1
J 6b	20	3.0	51.4	1.2
H 22	20	8.6	49.4	1.5
J 5	45	5.2	50.4	1.3
J 4	67	1.0	54.4	0.7
J 1-3	59	0.8	32.2	19.4
H 15-16	80	4.6	29.7	19.8
H 13-14	84	6.2	46.4	4.9
H 1-12	251	0.4	31.5	20.5

SEQUENCE & INTERVAL OF STRATA

VICINITY OF LINES H, K & J

RELATIVE POSITION OF LINES G, F, T & S IS INDICATED

SCALE : 1" = 20'


MAP OF AREA IN WHICH PROPERTY OF CRICKET LIME & DOLOMITE CO. IS SITUATED
RANGE 10 WEST
RANGE 9 WEST
SLBM
RANGE 9 WEST
RANGE 8 WEST
TOWNSHIP 21 SOUTH
TOWNSHIP 22 SOUTH
TOWNSHIP 23 SOUTH
NOTE: HEAVIEST LINES REPRESENT PRINCIPAL OUTCROPS OF LOW-SILICA LIMESTONE. LETTERS DESIGNATE LINES OF SAMPLING.
ROAD ELEVATIONS: NUMBERS ARE ALTIMETER READINGS, IN FEET, WITH ZERO DATUM AT BORDEN.
BORDEN
(ELEV. 4710)
IMPROVED MAIN ROAD
U.P.R.R.
BLOOM
(ELEV. 4755)
UNIMPROVED ROADS
BEAVER RIVER CHANNEL
CRUZ
(ELEV. 4825)
610
465
490
470
580
510
510
475
510
530
555
595
425
695
170
75
60
A
B
C
D
E
F
G
H
I
K
L
M
N
O
P
Q
R
S
T
SCALE: 1" = 3 MILES