224 New Customhouse
Denver 2, Colorado

July 13, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration. Attention: 200

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 3088 (Uranium), La Florecita Mining Company, Wayne County, Utah.

Enclosed are four copies of the final report on the subject docket, a copy of the letter of denial to the applicant, and two copies of Form 3b.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures
HMC:cwm

cc: ERGordon w/copy of Final Report
RPFischer w/copy of Final Report
SRWilson w/copy of Final Report
AHKoschmann w/copy of Final Report
DMEA w/copy of Final Report
Mining Division w/copy of Final Report
√Subject
AHKoschmann (2)
Chron.

25th New Customhouse
Denver 2, Colorado

July 13, 1953.

Mr. E. W. Allen, President
La Florencita Mining Company
1153 East 6th South
Salt Lake City 2, Utah

Re: Docket DMEA-3265

Dear Mr. Allen:

Reference is made to your application for Government aid on the La Florencita Exploration Tract.

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

A careful study of your property and data available to this agency reveals that the probability of disclosing minable reserves of uranium by your proposed exploration program is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

W. H. King
W. H. King
Field Team, Region IV

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

HMC:cwm
Administrator

cc: ERGordon
RPFischer
SRWilson
AHKoschmann (2)
Subject
Chron.

DMEA Form 3b
(Revised)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

CONTROLLED DOCUMENT
Revised Abstract

DMEA Docket No. 3028

Name of Applicant La Florecita Mining Company

Change:	From		To	
	III 1	☐	III 1	☐
	III 2	☐	III 2	☒ 7-10-53
	III 3	☐	III 3	☐
	III 4	☒	III 4	☐
	III 5	☐	III 5	☐
			III 6	☐
			III 7	☐

Add:

II 7 $ 14,047.98

II 8 $ None

II 8a % _____

II 9 $ _____

Remarks:

Initials of person preparing sheet H.M.C.

Date sheet prepared 7-10-53

33978

EXTRA COPY

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

[illegible] New Customhouse
Denver 2, Colorado

June 9, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3028, La Florette Mining Company, Wayne County, Utah

Enclosed are [illegible] copies of the geologic report by J. Fred Smith of the U. S. Geological Survey covering the above docket.

It has been recommended that the loan be denied.

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

Enclosures (11)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

June 5, 1953

Memorandum

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

From: R. P. Fischer
Colorado Plateau District office

Subject: DMEA Docket 3028, La Florecita Mining Co., Wayne County, Utah

Transmitted herewith are eleven copies of a geologic report on the La Florecita Exploration Tract, Wayne County, Utah. The La Florecita Mining Co. has applied for a loan to sink a 250-foot shaft to explore for uranium ore.

The attached report was prepared by J. Fred Smith and is based on detailed field work in this area in 1951 and 1952, in connection with mapping being conducted by the Geological Survey on behalf of AEC. Because of this work by the Survey, the AEC has made no detailed studies in this immediate area.

Because the Shinarump conglomerate, which contains the uranium deposits in this area, is more likely absent than present at the site of the proposed shaft, the report recommends that the application be denied. Furthermore, it is believed that the proposed shaft would be more appropriately considered development work than exploration.

Richard P. Fischer

Richard P. Fischer
Acting District Supervisor

Enclosures

RECEIVED
JUN 1953
U.S. Geological Survey
Mineral Deposits Branch
Denver

UNITED STATES DEPARTMENT OF THE INTERIOR

DOUGLAS MCKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM

REGION IV

DMEA 3028 (Uranium)

La Florecita Mining Co., Wayne County, Utah

By

J. Fred Smith
U. S. Geological Survey

June 5, 1953

DMEA DOCKET 3028 (Uranium)

LA FLORECITA MINING CO., WAYNE COUNTY, UTAH

INTRODUCTION AND SUMMARY

The La Florecita Mining Company of Salt Lake City, Utah, has applied (Docket 3028) to the Defense Minerals Exploration Administration for a loan to explore for uranium on the La Florecita Exploration Tract in the Capitol Reef National Monument. The application is for $12,643.18, 90 percent of the total cost of the project, and calls for sinking a 250-foot shaft to the ore horizon (the Shinarump conglomerate).

This report is prepared on the basis of geologic work done by the Geological Survey during 1951 and 1952 in the vicinity of the ground controlled by the applicant.

It is recommended that the application be denied for the following reasons: (1) in this immediate area the Shinarump lenses and might be missing at the site of the proposed shaft; and (2) although the Oyler mine contains mineralized rock 1,100 feet to the west, no geologic data indicate the presence of ore in the area of the proposed shaft. Furthermore, the proposed shaft might be more appropriately considered development work than exploration. With good core recovery, a diamond-drill hole would yield nearly as much information as the shaft and cost much less.

GEOLOGY

At the site of the proposed shaft the Chinle formation is exposed. It is underlain by the Shinarump conglomerate, or by the Moenkopi formation where the Shinarump is absent, and is overlain by the cliff-forming Wingate sandstone.

The Shinarump conglomerate (the ore-bearing formation) is lenticular and commonly absent in outcrops for about 3½ miles northwest and about 1½ miles south of the exploration site. This lensing indicates that at any single locality where the Shinarump horizon is covered by younger beds in this immediate area, the Shinarump beds may be lacking. (See enclosed sketch map.)

Because of the lenticularity of the Shinarump in this area, it may be missing below the site of the proposed shaft.

ORE DEPOSITS

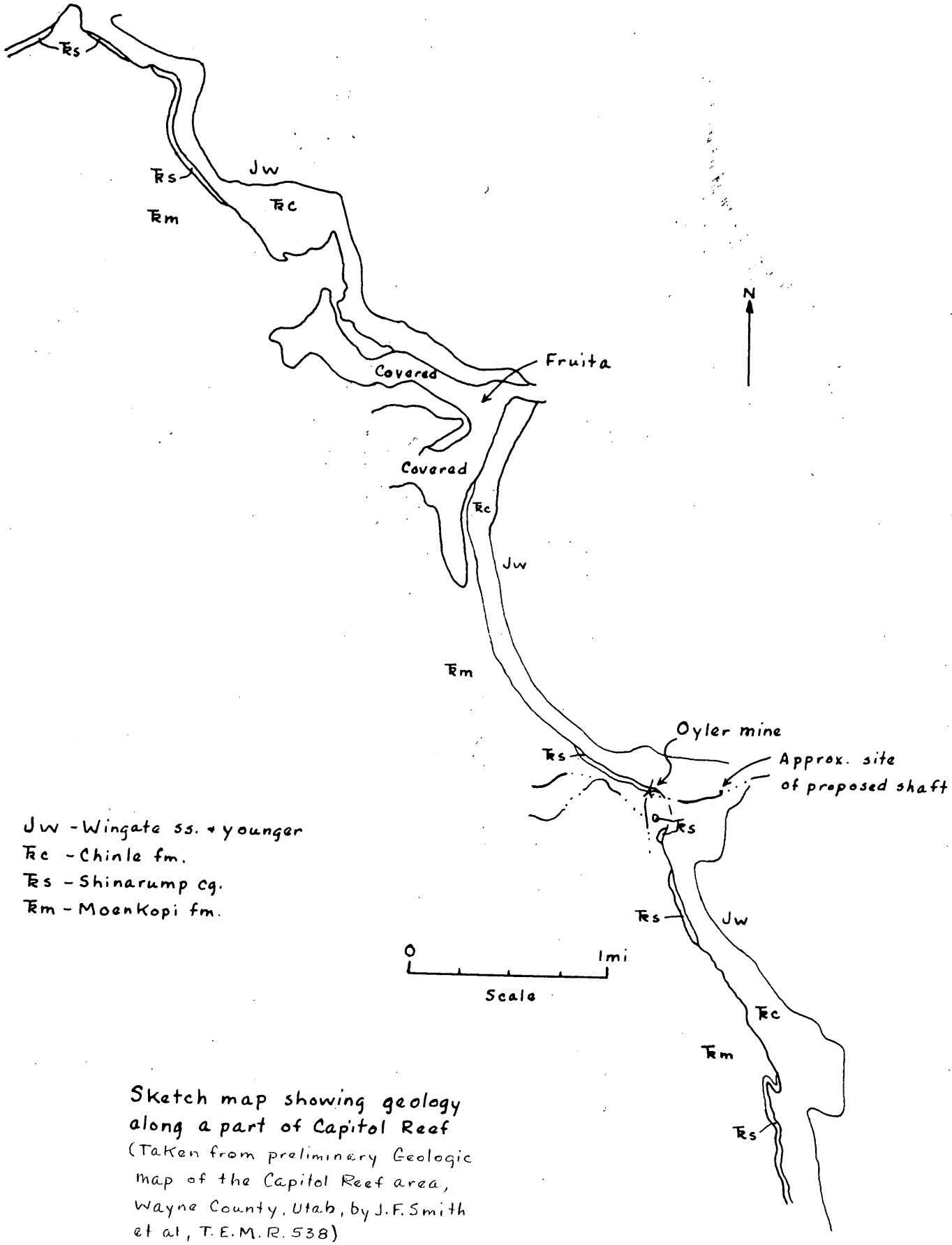
Most of the ore at the Oyler mine is in a clay layer, that averages about 1 foot in thickness, at the base of the Shinarump conglomerate. Sandstone overlying the clay is not mineralized. Spots in the upper 1 to 2 feet of the underlying Moenkopi formation are mineralized. The Shinarump sediments at the mine have filled a channel that was cut into the Moenkopi beds. The channel trends in a northerly direction.

On the Oyler Tunnel Tract south of the mine, slightly mineralized rock is exposed at several places along the Moenkopi-Shinarump contact. Meta-torbernite forms thin coatings chiefly along bedding planes in the upper siltstone of the Moenkopi and the basal clay of the Shinarump, but none of this rock is believed to be of minable grade in a minable thickness. On an isolated outcrop, one margin of a channel is exposed, and it probably is a southward extension of the Oyler channel. No channel-filling sediments have been observed elsewhere in the immediate vicinity.

CONCLUSIONS AND RECOMMENDATIONS

In the vicinity of the La Florecita Exploration Tract, the Shinarump conglomerate is known to contain uranium-bearing rock of ore grade only in the Oyler mine, where the ore is in the basal beds of the formation where it fills a channel cut into the underlying Moenkopi formation. It is assumed that such a geologic environment is the favorable one for uranium deposits in this area.

As the Shinarump is present along only a relatively small part of the outcrops in the area (see attached map), and as it forms channel fills along only a small part of the outcrops where the formation is present, the chance of the proposed shaft cutting an ore body is slight. For this reason, it is recommended that the application be denied. Furthermore, the proposed shaft might be more appropriately considered development work than exploration. With good core recovery, a diamond-drill hole would yield nearly as much information as the shaft and would cost much less.



Sketch map showing geology along a part of Capitol Reef
(Taken from preliminary Geologic map of the Capitol Reef area, Wayne County, Utah, by J. F. Smith et al, T. E. M. R. 538)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

May 18, 1953

Memorandum

To: S. R. Wilson
Bureau of Mines, Salt Lake City, Utah

From: R. P. Fischer RB

Subject: DMEA No. 3028, status report

The proposal submitted by the applicant (that of sinking a 1½ compartment shaft to a depth of 250 feet) does not appear sound. As far as we can determine from the available information, the Shinarump conglomerate (which is the ore-bearing formation in the general area) is not exposed on the property and no ore is known on the property. It would appear that one drill hole, if core recovery was good, would yield nearly as much information as the proposed shaft. On this basis, it is recommended that the application either be denied or be modified to consist of diamond drilling.

A further check will be made with J. Fred Smith, Survey geologist, Denver, who should be intimately acquainted with the area. If his ideas are similar to those outlined above, we will prepare a formal report recommending denial of this application or suggesting a modification to include diamond drilling as soon as time permits.

Acting District Supervisor
Colorado Plateau District

RPF/je

cc: W. H. King
A. H. Koschmann
J. F. Smith
W. I. Finch
G. J. file
Reading file

224 New Customhouse
Denver 2, Colorado

May 11, 1953

Memorandum

To: R. P. Fischer (with brochure)

S. R. Wilson

From: Field Team, Region IV

Subject: Docket DMEA - 3028 (Uranium), La Florecita Mining Co., Wayne County, Utah

Enclosed herewith is the subject application for Government assistance in exploration work estimated to cost $14,047.98.

A suitable report is required.

The brochure consists of Form MP-103 complete with one claim map, and a signed copy of contract number AT(05-1)-CR-5 with the Atomic Energy Commission.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

W.H.K.

Enclosure

HMC
HMC:fwo

cc Subject, Chron, Koschmann(2)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 8 1953

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. DMEA-3028
Metal or Mineral
Date Received 5/8/53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: La Floecita Mining Company, a Utah corporation, 1153 East 6th South, Salt Lake City, 2, Utah.

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

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

(*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 In the N W and N E ¼ of the S W ¼ of Sec. 25, T 29 S, R 6 E, S L B M.

(*b*) State any mine name by which the property is known La Floecita Exploration Tract.

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

(*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. Copy of contract attached hereto.

(*e*) If you own the land, describe any liens or encumbrances on it None owner.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice The tract above consists of unpatented land and said tract is not recorded in County Recorde's office. (A. E. C. Contract).

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. None. See 4-d for accessibility.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*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. See attachment.

(*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 Uranium.

(*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 30 days and be completed within 9 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. See Attachment.

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)? Yes.

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

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

Explain in detail on acompanying paper.

Refer to - - - - First Security Bank, Magna, Utah.

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, 30, 1953

La Florecita Mining Company
(Applicant)

By President W. H. Allen
Michael F. O'Reilly, Secretary

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

ATTACHMENT NO. 1

La Florecita Mining Company
Salt Lake City, Utah

1 (c) Corporation Officers:

Henry W. Allen, President, 314 East 6th South, Salt Lake City 2, Utah; James R. Goodman, First Vice President, Route #1, Box 478-B, Provo, Utah; Michael F. O'Reilly, 1155 East 6th South, Salt Lake City 2, Utah; Irwin C. Glaser, Second Vice President, Assistant Treasurer and General Manager, 656 South 12th East, Salt Lake City 2, Utah; Kenneth J. Boyle, Treasurer and Assistant Secretary, 141 Washington Avenue, Garfield, Utah.

The five executive officers mentioned above are directors of the Corporation and constitute the entire board of directors now serving.

4 (c) Geologic Features:

Outcrops of uranium oxide ore deposits in the Shinarump formation are found in several places in the immediate vicinity, principally on the Yellow Canary and the Oiler Tunnel claims. These claims are shown on the accompanying blueprint. The greater portion of these claims are inside the boundary of the Oyler Tunnel Tract; which tract is also shown on the same blueprint. Its boundaries are marked in red.

The ore varies in grade from 0.20% to 3.0% U/3 O/8 and ranges in thickness from a few inches to 1.5 feet. The mineralized beds strike N 30° West and dip 14° to the NE.

At the site of the proposed shaft, it is estimated that the ore horizon will be encountered at a depth of about 250 feet. The site of the proposed shaft is shown on the blueprint attached hereto.

(d) Accessibility:

Over paved roads from Salt Lake City to Torrey, Utah; from Torrey to Grand Wash over a graveled road. Grand Wash is about 2½ miles SE of Fruita, Utah on Utah State Highway No. 24. This road is passable all year and is maintained by the Utah Road Commission.

No access road construction will be necessary.

Ore Purchasing Depot for the U. S. Atomic Energy Commission is situated at Marysvale, Utah, a distance of 111 miles westerly.

Residence accommodations may be had in Fruita, Torrey, Bicknell and Loa, Utah. The greatest distance to any of these towns is Loa, some 31 miles from Grand Wash where

ATTACHMENT NO. 2

La Florecita Mining Company

La Florecita property is located. All of these towns are along State Highway No. 24.

4 (a) Ample manpower is available in this vicinity. Materials, supplies and equipment may be obtained in Richfield, Utah which is situated about 90 miles NW of the project or in Salt Lake City, Utah. Water needed for mining and culinary use is available nearby. Power units will be gasoline engines.

5 (a) Exploring for uranium.

(b) Description of Proposed Work:

1. Construction of a 10 x 24' combination Hoist House, Supply Room and Shop

2. Construction of a wooden Headframe. Corner posts, 6 x 6", will be sway braced with 2 x 8" timber. This frame will be braced against the pull of the hoist with 6 x 6" timber, at an angle of 45° from the top of the Headframe to the ground.

3. Sinking a 250', 1½ compartment, vertical shaft, 4 x 7' inside timber. The shaft will be cribbed with 4 x 6" timber.

4. Mine workings: None.

5. Location of Proposed Shaft: Depth to the ore horizon at the site of the proposed shaft is estimated at 250'. The shaft site is located S 87° E. 1100' from the Oiler Tunnel Lode location monument, where the dip and strike were taken. The beds strike N 30° W and dip 14° to the Northeast. There are several ore exposures on the Oiler Tunnel tract. The site of the proposed shaft is located at a point on the La Florecita Exploration tract, nearest to the ore outcrops previously mentioned in 4-(c).

(c) The work will start in 30 days and be completed in 9 months.

(d) Operating Experience & Background:

Henry W. Allen, President and director, has been in the mining business for the past 30 years. Also in the insurance business with the Kolob Company, Utah.

James R. Goodman, First Vice President and director, is the foreman of the electrical maintenance department for Geneva Steel Company at Geneva, Utah.

Michael F. O'Reilly, Secretary and director, who has been connected with the mining and construction industry for twenty-five years, will also be general supervisor without compensation.

ATTACHMENT NO. 3

La Florecita Mining Company
Salt Lake City, Utah

Kenneth J. Boyle, Treasurer, Assistant Secretary and director. He is also Secretary and Office Manager of Garfield Trading Co., and Utah Trading Co. He has been interested in various oil and mining enterprises since 1922 (31 years).

Irwin C. Glaser, Second Vice President, director, Assistant Treasurer and General Manager of Operations is the controlling stockholder in Garfield Trading Company, Inc. and Utah Trading Co. and he has had one and one-half years experience in mining.

Richard J. Hogan, Council for the Corporation and a stockholder, has over 30 years mining experience in law. He is the attorney for the Silver King Coalition Mines Company and other important companies or corporations. He is also a member of the Board of Pardons, State of Utah.

The miner-foreman, Jim O'Reilly, has had four years experience in mining, including one year as mine foreman in a small operation.

ATTACHMENT NO. 4

La Florecita Mining Company
Salt Lake City, Utah

6 Estimate of Costs:

(a) Independent contracts: None.

Note: Breakdown of costs covering 6 b, c, f, g, and h for Building Construction, Headframe Construction and Shaft Sinking are as follows:

Building Construction

(for shop, supply room and hoist house)

Labor:	2 men @ $14 / day, 5 days	$140.00	
	1 man @ $16 / day, 5 days	80.00	
	Plus 11% of $220, Social Security, F.O.A.B., Employees Compensation Insurance, etc.	24.20	
	Total for Labor		$244.20
Supplies:			
	Lumber: 2495 BF @ $100 / M	$249.50	
	Roofing Material	50.18	
	Window sashes: 5 @ $4 each	20.00	
	Nails & incidentals	20.00	
	Total for Supplies		339.68
	Total cost of Building Construction		$ 583.88

Headframe Construction

Labor:	2 men @ $14 / day, 5 days	$140.00	
	1 man @ $16 / day, 5 days	80.00	
	Plus 11% of $220, Social Security, F.O.A.B., Employees Compensation Insurance, etc.	24.20	
	Total for Labor		$244.20
Supplies:			
	Timber: 960 BF @ $100 / M	$ 96.00	
	Hardware: Bolts, rod, etc.	65.21	
	Footings: 2 yds @ $11.10 ea	22.20	
	Total for Supplies		183.41
	Total cost of Headframe		427.61

ATTACHMENT No. 5

La Florecita Mining Company
Salt Lake City, Utah

6. Estimate of Costs (continued):
(b, c, f, g, and h)

Shaft Sinking

250' @ 1½' advance / day, 167 days for completion.

Labor:	2 men @ $14 / day, 167 days	$4,676.00	
	1 man @ $16 / day, 167 days	2,672.00	
	Plus 11% of $7,348.00 for Social Security, F.O.A.B. Employee's Compensation Insurance, etc.	808.28	
	Total for Labor		$8,156.28
Timber:	Cribbing: 31,248 BF @ $100/M	$3,124.80	
	Guides: 1,048 BF @ $260/M	272.48	
	Collar: 128 BF @ $100/M	12.80	
	Manway Platforms 312 BF @ $100/M	31.20	
	Manway Ladders 375 BF @ $100/M	37.50	
	Total for Timber		3,478.78
	Explosives @ $1.743 / ft.	$ 435.75	
	Drill Steel & Bits @ $0.75 / ft.	187.50	623.25
Pipe:	Air- 250', 1½" @ $27.35 / C ft.	$ 68.38	
	Water- 100', ½" @ $ 9.80 / C ft.	9.80	78.18
	Other Supplies: Gas, oil, carbide, etc.	300.00	
	Transportation of Supplies:	150.00	
	Maintenance of Equipment:	250.00	700.00
	Total cost of Shaft Sinking		$13,036.49

$13,036.49 (250' @ $52.14596) for Shaft Sinking

6 (d) Operating Equipment: In accordance with the requirements of the Short-form Contract, we will furnish the necessary operating equipment. We now have a 105 cu.ft. Compressor, a 1-ton capacity Hoist, a 45-lb. Jackhammer, a one-half ton pickup Dodge truck, other smaller pieces of equipment and the necessary hand tools to do the job. (Depreciation on all equipment and tools is disregarded.)

(e) Not applicable.

Total cost of Project:	$14,047.98
10% of total cost of project:	1,404.80
90% of total cost of project:	$12,643.18

ATTACHMENT No. 5

La Floreeita Mining Company
Salt Lake City, Utah

6. Estimate of Costs (continued):
(b, e, f, g, and h)

Shaft Sinking

250' @ 1½' advance / day, 167 days for completion.

Labor:	2 men @ $14 / day, 167 days	$4,676.00	
	1 man @ $16 / day, 167 days	2,672.00	
	Plus 11% of $7,348.00 for Social Security, F.O.A.B. Employee's Compensation Insurance, etc.	808.28	
	Total for Labor		$8,156.28
Timber:	Cribbing: 31,248 BF @ $100/M	$3,124.80	
	Guides: 1,048 BF @ $260/M	272.48	
	Collar: 128 BF @ $100/M	12.80	
	Manway Platforms 312 BF @ $100/M	31.20	
	Manway Ladders 375 BF @ $100/M	37.50	
	Total for Timber		3,478.78
	Explosives @ $1.743 / ft.	$ 435.75	
	Drill Steel & Bits @ $0.75 / ft.	187.50	623.25
Pipe:	Air- 250', 1½" @ $27.35 / C ft.	$ 68.38	
	Water- 100', ½" @ $ 9.80 / C ft.	9.80	78.18
	Other Supplies: Gas, oil, carbide, etc.	300.00	
	Transportation of Supplies:	150.00	
	Maintenance of Equipment:	250.00	700.00
	Total cost of Shaft Sinking		$13,036.49

$13,036.49 (250' @ $52.14596) for Shaft Sinking

6 (d) Operating Equipment: In accordance with the requirements of the Short-form Contract, we will furnish the necessary operating equipment. We now have a 105 cu.ft. Compressor, a 1-ton capacity Hoist, a 45-lb. Jackhammer, a one-half ton pickup Dodge truck, other smaller pieces of equipment and the necessary hand tools to do the job. (Depreciation on all equipment and tools is disregarded.)

(e) Not applicable.

Total cost of Project:	$14,047.98
10% of total cost of project:	1,404.80
90% of total cost of project:	$12,643.18

224 New Customhouse
Denver 2, Colorado

May 5, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration,
Attention: Code 200

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docketing for Exploration Assistance

Enclosed herewith in duplicate is DMA Form 3a and MF-103, and supporting data pertaining to the following applications for Government assistance in exploration work:

George S. Casey
Leadville
Colorado

Francis A. Coupens
8126 South 150 West
Midvale, Utah

George W. Jump
P. O. Box 461
Boulder, Colorado

La Florecita Mining Company
1153 East 6th South
Salt Lake City 2, Utah

W. H. KING
W. H. King

Enclosures

cwm

cc: Code 200 file
Docket (G.S.Casey)
Docket (F.A.Coupens)
Docket (G.W.Jump)
Docket (La Florecita Mining Co.)
Chron.
AHKoschmann

DMEA Form 3a
(Revised)

DEFENSE MINERALS EXPLORATION ADMINISTRATION

CONTROLLED DOCUMENT
Abstract

I. 3

II. Fill in each item:

1. _____ 2. _____

3. La Florecita Mining Co. 1153 East 6th South
Salt Lake City Utah
_____ (Code) _____

4. La Florecita Tract

5. State Utah County Wayne
_____ (Code) _____ (Code)

6. Uranium

7. $ 14,047.98

8. $ _____ 8a. % 90

III. Check one:

1 ☐ 2 ☐ 3 ☐ 4 ☒

Remarks:

Initials of person preparing sheet HMC

Date sheet prepared 5-5-53

17367

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

Mining Division
Date Rec'd
MAY 4 - 1953
BUREAU OF MINES
Denver, Colorado

May 1, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

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

Subject: Application of La Florecita Mining Co., Wayne County, Utah

Enclosed are four copies of MF-103 form pertaining to an application by the subject company for a loan to conduct exploratory work on uranium property.

The area of proposed exploration includes a tract of land within the boundaries of Capitol Reef National Monument in Wayne County, Utah. The original of the MF-103 form includes a copy of a contract between the applicant and AEC, which permits the applicant to produce uranium ores from the described tract. Royalties for any ores extracted are payable to the National Park Service.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

MF-203

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

May 1, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

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

Subject: Application of La Florecita Mining Co., Wayne County, Utah

Enclosed are four copies of MF-103 form pertaining to an application by the subject company for a loan to conduct exploratory work on uranium property.

The area of proposed exploration includes a tract of land within the boundaries of Capitol Reef National Monument in Wayne County, Utah. The original of the MF-103 form includes a copy of a contract between the applicant and AEC, which permits the applicant to produce uranium ores from the described tract. Royalties for any ores extracted are payable to the National Park Service.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. .....
Metal or Mineral .....
Date Received .....
Estimated Cost .....
Participation (Government %) .....

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: La Florecita Mining Company, a Utah corporation, 1153 East 6th South, Salt Lake City, 2, Utah.

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

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

(*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 In the N W and N E ¼ of the S W ¼ of Sec. 25, T 29 S, R 6 E, S L B M.

(*b*) State any mine name by which the property is known. La Florecita Exploration Tract.

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

(*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. Copy of contract attached hereto.

(*e*) If you own the land, describe any liens or encumbrances on it None owner.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. The tract above consists of unpatented land and said tract is not recorded in County Recorde's office. (A. E. C. Contract).

4. *Mining operations.*—(*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. None. See 4-d for accessibility.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*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. See attachment.

(*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.

16—66551-1

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

(*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 30 days and be completed within 9 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. See Attachment.

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)? Yes.

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

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

Explain in detail on acompanying paper.

Refer to - - - - First Security Bank, Magna, Utah.

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, 30, 1953.

La Florecita Mining Company
(Applicant)

By Michael F. O'Keefe, Secretary
President H. W. Fellen

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

ATTACHMENT NO. 1

La Florecita Mining Company
Salt Lake City, Utah

1 (c) Corporation Officers:

Henry W. Allen, President, 314 East 6th South, Salt Lake City 2, Utah; James R. Goodman, First Vice President, Route #1, Box 478-B, Provo, Utah; Michael F. O'Reilly, 1155 East 6th South, Salt Lake City 2, Utah; Irwin C. Glaser, Second Vice President, Assistant Treasurer and General Manager, 656 South 12th East, Salt Lake City 2, Utah; Kenneth J. Boyle, Treasurer and Assistant Secretary, 141 Washington Avenue, Garfield, Utah.

The five executive officers mentioned above are directors of the Corporation and constitute the entire board of directors now serving.

4 (c) Geologic Features:

Outcrops of uranium oxide ore deposits in the Shinarump formation are found in several places in the immediate vicinity, principally on the Yellow Canary and the Oiler Tunnel claims. These claims are shown on the accompanying blueprint. The greater portion of these claims are inside the boundary of the Oyler Tunnel Tract; which tract is also shown on the same blueprint. Its boundaries are marked in red.

The ore varies in grade from 0.20% to 3.0% U/3 O/8 and ranges in thickness from a few inches to 1.5 feet. The mineralized beds strike N 30° West and dip 14° to the NE.

At the site of the proposed shaft, it is estimated that the ore horizon will be encountered at a depth of about 250 feet. The site of the proposed shaft is shown on the blueprint attached hereto.

(d) Accessibility:

Over paved roads from Salt Lake City to Torrey, Utah; from Torrey to Grand Wash over a graveled road. Grand Wash is about 2½ miles SE of Fruita, Utah on Utah State Highway No. 24. This road is passable all year and is maintained by the Utah Road Commission.

No access road construction will be necessary.

Ore Purchasing Depot for the U. S. Atomic Energy Commission is situated at Marysvale, Utah, a distance of 111 miles westerly.

Residence accommodations may be had in Fruita, Torrey, Bicknell and Loa, Utah. The greatest distance to any of these towns is Loa, some 31 miles from Grand Wash where

ATTACHMENT NO. 2

La Florecita Mining Company

La Florecita property is located. All of these towns are along State Highway No. 24.

4 (e) Ample manpower is available in this vicinity. Materials, supplies and equipment may be obtained in Richfield, Utah which is situated about 90 miles NW of the project or in Salt Lake City, Utah. Water needed for mining and culinary use is available nearby. Power units will be gasoline engines.

5 (a) Exploring for uranium.

(b) Description of Proposed Work:

1. Construction of a 10 x 24' combination Hoist House, Supply Room and Shop

2. Construction of a wooden Headframe. Corner posts, 6 x 6", will be sway braced with 2 x 8" timber. This frame will be braced against the pull of the hoist with 6 x 6" timber, at an angle of 45° from the top of the Headframe to the ground.

3. Sinking a 250', 1½ compartment, vertical shaft, 4 x 7' inside timber. The shaft will be cribbed with 4 x 6" timber.

4. Mine workings: None.

5. Location of Proposed Shaft: Depth to the ore horizon at the site of the proposed shaft is estimated at 250'. The shaft site is located S 87° E. 1100' from the Oiler Tunnel Lode location monument, where the dip and strike were taken. The beds strike N 30° W and dip 14° to the Northeast. There are several ore exposures on the Oiler Tunnel tract. The site of the proposed shaft is located at a point on the La Florecita Exploration tract, nearest to the ore outcrops previously mentioned in 4-(c).

(c) The work will start in 30 days and be completed in 9 months.

(d) Operating Experience & Background:

Henry W. Allen, President and director, has been in the mining business for the past 30 years. Also in the insurance business with the Koleb Company, Utah.

James R. Goodman, First Vice President and director, is the foreman of the electrical maintenance department for Geneva Steel Company at Geneva, Utah.

Michael F. O'Reilly, Secretary and director, who has been connected with the mining and construction industry for twenty-five years, will also be general supervisor without compensation.

ATTACHMENT NO. 3

La Florecita Mining Company
Salt Lake City, Utah

Kenneth J. Boyle, Treasurer, Assistant Secretary and director. He is also Secretary and Office Manager of Garfield Trading Co., and Utah Trading Co. He has been interested in various oil and mining enterprises since 1922 (31 years).

Irwin C. Glaser, Second Vice President, director, Assistant Treasurer and General Manager of Operations is the controlling stockholder in Garfield Trading Company, Inc. and Utah Trading Co. and he has had one and one-half years experience in mining.

Richard J. Hogan, Council for the Corporation and a stockholder, has over 30 years mining experience in law. He is the attorney for the Silver King Coalition Mines Company and other important companies or corporations. He is also a member of the Board of Pardons, State of Utah.

The miner-foreman, Jim O'Reilly, has had four years experience in mining, including one year as mine foreman in a small operation.

ATTACHMENT NO. 4

La Florecita Mining Company
Salt Lake City, Utah

6 Estimate of Costs:

(a) Independent contracts: None.

Note: Breakdown of costs covering 6 b, c, f, g, and h for Building Construction, Headframe Construction and Shaft Sinking are as follows:

Building Construction

(for shop, supply room and hoist house)

Labor:	2 men @ $14 / day, 5 days	$140.00	
	1 man @ $16 / day, 5 days	80.00	
	Plus 11% of $220, Social Security, F.O.A.B., Employees Compensation Insurance, etc.	24.20	
	Total for Labor		$244.20
Supplies:			
	Lumber: 2495 BF @ $100 / M	$249.50	
	Roofing Material	50.18	
	Window sashes: 5 @ $4 each	20.00	
	Nails & incidentals	20.00	
	Total for Supplies		339.68
	Total cost of Building Construction		$ 583.88

Headframe Construction

Labor:	2 men @ $14 / day, 5 days	$140.00	
	1 man @ $16 / day, 5 days	80.00	
	Plus 11% of $220, Social Security, F.O.A.B., Employees Compensation Insurance, etc.	24.20	
	Total for Labor		$244.20
Supplies:			
	Timber: 960 BF @ $100 / M	$ 96.00	
	Hardware: Bolts, rod, etc.	65.21	
	Footings: 2 yds @ $11.10 ea	22.20	
	Total for Supplies		183.41
	Total cost of Headframe		427.61

ATTACHMENT No. 5

La Florecita Mining Company
Salt Lake City, Utah

6. Estimate of Costs (continued):
(b, c, f, g, and h)

Shaft Sinking

250' @ 1½' advance / day, 167 days for completion.

Labor:	2 men @ $14 / day, 167 days	$4,676.00	
	1 man @ $16 / day, 167 days	2,672.00	
	Plus 11% of $7,348.00 for Social Security, F.O.A.B. Employee's Compensation Insurance, etc.	808.28	
	Total for Labor		$8,156.28
Timber:	Cribbing: 31,248 BF @ $100/M	$3,124.80	
	Guides: 1,048 BF @ $260/M	272.48	
	Collar: 128 BF @ $100/M	12.80	
	Manway Platforms 312 BF @ $100/M	31.20	
	Manway Ladders 375 BF @ $100/M	37.50	
	Total for Timber		3,478.78
Explosives @ $1.743 / ft.		$ 435.75	
Drill Steel & Bits @ $0.75 / ft.		187.50	623.25
Pipe:	Air- 250', 1½" @ $27.35 / C ft.	$ 68.38	
	Water- 100', ½" @ $ 9.80 / C ft.	9.80	78.18
Other Supplies: Gas, oil, carbide, etc.		300.00	
Transportation of Supplies:		150.00	
Maintenance of Equipment:		250.00	700.00
	Total cost of Shaft Sinking		$13,036.49

$13,036.49 (250' @ $52.14596) for Shaft Sinking

6 (d) Operating Equipment: In accordance with the requirements of the Short-form Contract, we will furnish the necessary operating equipment. We now have a 105 cu.ft. Compressor, a 1-ton capacity Hoist, a 45-lb. Jackhammer, a one-half ton pickup Dodge truck, other smaller pieces of equipment and the necessary hand tools to do the job. (Depreciation on all equipment and tools is disregarded.)

(e) Not applicable.

Total cost of Project:	$14,047.98
10% of total cost of project:	1,404.80
90% of total cost of project:	$12,643.18

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

June 22, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3028, La Florecita Mining Company, Capitol Reef Area, Wayne County, Utah

Attached is the brochure on the above docket which was returned to this office by Mr. R. P. Fischer. Our geologic report covering this docket has previously been transmitted to you.

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

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. DMEA-3028
Metal or Mineral
Date Received
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: La Floecita Mining Company, a Utah corporation, ~~[illegible]~~ 1153 East 6th South, Salt Lake City, 2, Utah.

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

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

(*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 In the N W and N E ¼ of the S W ¼ of Sec. 25, T 29 S, R 6 E, S L B M.

(*b*) State any mine name by which the property is known La Florecita Exploration Tract.

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

(*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. Copy of contract attached hereto.

(*e*) If you own the land, describe any liens or encumbrances on it None owner.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. The tract above consists of unpatented land and said tract is not recorded in County Recorde's office. (A. E. C. Contract).

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. None. See 4-d for accessibility.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*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. See attachment.

(*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.

16—66551-1

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

(*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 30 days and be completed within 9 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. See Attachment.

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.).

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(*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)? Yes.

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

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

Explain in detail on acompanying paper.
Refer to - - - - First Security Bank, Magna, Utah.

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, 30, 1953

La Florecita Mining Company
(Applicant)

By Michael F. Reilly, Secretary
H. W. Allen Pres.

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

ATTACHMENT NO. 1

La Florecita Mining Company
Salt Lake City, Utah

1 (c) Corporation Officers:

Henry W. Allen, President, 314 East 6th South, Salt Lake City 2, Utah; James R. Goodman, First Vice President, Route #1, Box 478-B, Provo, Utah; Michael F. O'Reilly, 1155 East 6th South, Salt Lake City 2, Utah; Irwin C. Glaser, Second Vice President, Assistant Treasurer and General Manager, 656 South 12th East, Salt Lake City 2, Utah; Kenneth J. Boyle, Treasurer and Assistant Secretary, 141 Washington Avenue, Garfield, Utah.

The five executive officers mentioned above are directors of the Corporation and constitute the entire board of directors now serving.

4 (c) Geologic Features:

Outcrops of uranium oxide ore deposits in the Shinarump formation are found in several places in the immediate vicinity, principally on the Yellow Canary and the Oiler Tunnel claims. These claims are shown on the accompanying blueprint. The greater portion of these claims are inside the boundary of the Oyler Tunnel Tract; which tract is also shown on the same blueprint. Its boundaries are marked in red.

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ATTACHMENT NO. 2

La Florecita Mining Company

La Florecita property is located. All of these towns are along State Highway No. 24.

4 (e) Ample manpower is available in this vicinity. Materials, supplies and equipment may be obtained in Richfield, Utah which is situated about 90 miles NW of the project or in Salt Lake City, Utah. Water needed for mining and culinary use is available nearby. Power units will be gasoline engines.

5 (a) Exploring for uranium.

(b) Description of Proposed Work:

1. Construction of a 10 x 24' combination Hoist House, Supply Room and Shop

2. Construction of a wooden Headframe. Corner posts, 6 x 6", will be sway braced with 2 x 8" timber. This frame will be braced against the pull of the hoist with 6 x 6" timber, at an angle of 45° from the top of the Headframe to the ground.

3. Sinking a 250', 1½ compartment, vertical shaft, 4 x 7' inside timber. The shaft will be cribbed with 4 x 6" timber.

4. Mine workings: None.

5. Location of Proposed Shaft: Depth to the ore horizon at the site of the proposed shaft is estimated at 250'. The shaft site is located S 87° E. 1100' from the Oiler Tunnel Lode location monument, where the dip and strike were taken. The beds strike N 30° W and dip 14° to the Northeast. There are several ore exposures on the Oiler Tunnel tract. The site of the proposed shaft is located at a point on the La Florecita Exploration tract, nearest to the ore outcrops previously mentioned in 4-(c).

(c) The work will start in 30 days and be completed in 9 months.

(d) Operating Experience & Background:

Henry W. Allen, President and director, has been in the mining business for the past 30 years. Also in the insurance business with the Kolob Company, Utah.

James R. Goodman, First Vice President and director, is the foreman of the electrical maintenance department for Geneva Steel Company at Geneva, Utah.

Michael F. O'Reilly, Secretary and director, who has been connected with the mining and construction industry for twenty-five years, will also be general supervisor without compensation.

ATTACHMENT NO. 3

La Florecita Mining Company
Salt Lake City, Utah

Kenneth J. Boyle, Treasurer, Assistant Secretary and director. He is also Secretary and Office Manager of Garfield Trading Co., and Utah Trading Co. He has been interested in various oil and mining enterprises since 1922 (31 years).

Irwin C. Glaser, Second Vice President, director, Assistant Treasurer and General Manager of Operations is the controlling stockholder in Garfield Trading Company, Inc. and Utah Trading Co. and he has had one and one-half years experience in mining.

Richard J. Hogan, Council for the Corporation and a stockholder, has over 30 years mining experience in law. He is the attorney for the Silver King Coalition Mines Company and other important companies or corporations. He is also a member of the Board of Pardons, State of Utah.

The miner-foreman, Jim O'Reilly, has had four years experience in mining, including one year as mine foreman in a small operation.

ATTACHMENT NO. 4

La Florecita Mining Company
Salt Lake City, Utah

6 Estimate of Costs:

(a) Independent contracts: None.

Note: Breakdown of costs covering 6 b, c, f, g, and h for Building Construction, Headframe Construction and Shaft Sinking are as follows:

Building Construction

(for shop, supply room and hoist house)

Labor:	2 men @ $14 / day, 5 days	$140.00	
	1 man @ $16 / day, 5 days	80.00	
	Plus 11% of $220, Social Security, F.O.A.B., Employees Compensation Insurance, etc.	24.20	
	Total for Labor		$244.20
Supplies:			
	Lumber: 2495 BF @ $100 / M	$249.50	
	Roofing Material	50.18	
	Window sashes: 5 @ $4 each	20.00	
	Nails & incidentals	20.00	
	Total for Supplies		339.68
	Total cost of Building Construction		$ 583.88

Headframe Construction

Labor:	2 men @ $14 / day, 5 days	$140.00	
	1 man @ $16 / day, 5 days	80.00	
	Plus 11% of $220, Social Security, F.O.A.B., Employees Compensation Insurance, etc.	24.20	
	Total for Labor		$244.20
Supplies:			
	Timber: 960 BF @ $100 / M	$ 96.00	
	Hardware: Bolts, rod, etc.	65.21	
	Footings: 2 yds @ $11.10 ea	22.20	
	Total for Supplies		183.41
	Total cost of Headframe		427.61

ATTACHMENT No. 5

La Florecita Mining Company
Salt Lake City, Utah

6. Estimate of Costs (continued):
(b, c, f, g, and h)

Shaft Sinking

250' @ 1½' advance / day, 167 days for completion.

Labor:	2 men @ $14 / day, 167 days	$4,676.00	
	1 man @ $16 / day, 167 days	2,672.00	
	Plus 11% of $7,348.00 for Social Security, F.O.A.B. Employee's Compensation Insurance, etc.	808.28	
	Total for Labor		$8,156.28
Timber:	Cribbing: 31,248 BF @ $100/M	$3,124.80	
	Guides: 1,048 BF @ $260/M	272.48	
	Collar: 128 BF @ $100/M	12.80	
	Manway Platforms 312 BF @ $100/M	31.20	
	Manway Ladders 375 BF @ $100/M	37.50	
	Total for Timber		3,478.78
Explosives @ $1.743 / ft.		$ 435.75	
Drill Steel & Bits @ $0.75 / ft.		187.50	623.25
Pipe:	Air- 250', 1½" @ $27.35 / C ft.	$ 68.38	
	Water- 100', ½" @$ 9.80 / C ft.	9.80	78.18
Other Supplies: Gas, oil, carbide, etc.		300.00	
Transportation of Supplies:		150.00	
Maintenance of Equipment:		250.00	700.00
	Total cost of Shaft Sinking		$13,036.49

$13,036.49 (250' @ $52.14596) for Shaft Sinking

6 (d) Operating Equipment: In accordance with the requirements of the Short-form Contract, we will furnish the necessary operating equipment. We now have a 105 cu.ft. Compressor, a 1-ton capacity Hoist, a 45-lb. Jackhammer, a one-half ton pickup Dodge truck, other smaller pieces of equipment and the necessary hand tools to do the job. (Depreciation on all equipment and tools is disregarded.)

(e) Not applicable.

Total cost of Project:	$14,047.98
10% of total cost of project:	1,404.80
90% of total cost of project:	$12,643.18

UNITED STATES
ATOMIC ENERGY COMMISSION
GRAND JUNCTION, COLORADO

ADDRESS REPLY TO:
GRAND JUNCTION OPERATIONS OFFICE
DIVISION OF RAW MATERIALS

U. S. ATOMIC ENERGY COMMISSION
P. O. BOX 270
GRAND JUNCTION, COLORADO
MI:RAL

April 13, 1953

LaFlorecita Mining Company
1153 East 6th South Street
Salt Lake City 2, Utah

Subject: CONTRACT NO. AT(05-1)-CR-5
LaFLORECITA URANIUM EXPLORATION TRACT - CAPITOL REEF NATIONAL MONUMENT

Gentlemen:

Enclosed are five copies of an ore extraction contract which allows you to mine uranium ore from the tract known as the LaFlorecita Uranium Exploration Tract in the Capitol Reef National Monument. Kindly sign and return four copies and retain the fifth copy for your files.

You will be notified by the National Park Service where to make royalty payments as specified in clause 8a of the contract.

We hope you have a successful operation, and if there is any way the Commission can assist you, do not hesitate to call on us.

Very truly yours,

Frank H. MacPherson

Frank H. MacPherson
Director, Production Division

Enclosures:
Contract CR-5 (5)

CONTRACT NO. AT-(05-1)-CR-5

THIS CONTRACT, entered into on April 3, 1953, by and between the UNITED STATES ATOMIC ENERGY COMMISSION (hereinafter called the "Commission"), acting as agent of and on behalf of the UNITED STATES OF AMERICA, and LaFlorecita Mining Company

1153 East 6th South Street, Salt Lake City 2, Utah
(hereinafter called the "Contractor"),

WITNESSETH THAT:

WHEREAS, the Commission has been permitted by the Department of the Interior to search for, extract and remove uranium deposits from Capitol Reef National Monument (hereinafter called the "Monument"); and

WHEREAS, it is necessary under the Commissions's program for the acquisition of source materials that certain areas of the Monument be developed and operated for the production of uranium ores; and

WHEREAS, the Contractor has discovered deposits in the Monument and is willing to produce ore from those deposits; and

WHEREAS, this agreement is authorized by and has been negotiated under the Atomic Energy Act of 1946 in the interest of the common defense and security;

NOW, THEREFORE, the parties hereto do mutually agree as follows:

1. The Contractor agrees to carry on operations to produce uranium ores from the property described in Appendix "A" attached hereto and made a part hereof. Should any question arise as to the exact boundaries of said property, the boundaries as determined by the Commission shall be accepted as final and binding on the parties hereto. The Contractor shall remove deposits only within the vertical planes of the boundary lines of the said premises. The Contractor shall not work the property for minerals other than uranium, and shall not remove significant amounts of ore which do not contain uranium.

2. The term of this contract shall be from April 3, 1953 to April 3, 1956, inclusive. However, it may be terminated by the Commission because of a violation by the Contractor of any of its obligations hereunder or terminated automatically by the Secretary of Interior's revocation of the authority granted to the Commission to permit operations on the Monument.

3. The Contractor agrees to preserve and protect all natural and archaeological features and conditions of the Monument to the fullest extent feasible and economically practicable consistent with operations hereunder.

4. The Contractor agrees:

a. To enter upon the premises and commence work within thirty (30) days after the date of this contract, and work the property in a manner consistent with good and economical ore production practices, so as to take out the greatest amount of uranium ore possible (unless otherwise authorized by the Commission), with due regard (1) to the development and preservation of the property as a workable property, and (2) to the other provisions of this contract (including paragraph 3 above).

b. To work the property steadily and continuously during the term of this contract, with not less than 30 shifts of work during each calendar month, unless other arrangements are approved in writing by the Commission or unless the Contractor is prevented from working the property for reasons beyond its control. The word "shift" means the labor of one man for one day of at least eight hours.

c. To ship all ore at its own expense with reasonable diligence after production to such uranium processing plant or buying station as the Commission shall direct. The Commission reserves the right to take and remove all ores not so shipped with reasonable diligence, and to credit the Contractor with the value of his services in producing such ores less sums due the Government from the Contractor, including the cost of such taking and removal.

d. To well and sufficiently timber the workings at all points where proper, in accordance with good ore production practice; to repair all old timbering wherever it may become necessary.

e. To keep all drifts, tunnels, shafts, winzes and other workings thoroughly drained and clear of loose rock, rubbish, and in a safe and secure condition at all times unless prevented by extraordinary operating casualty, and to arrange to leave the floor of all crosscuts and other workings in good, even, unobstructed condition at all times, and to stow no waste underground nor fill in stopes without the written consent of the Commission.

f. To make all drifts at least six (6) feet high and four (4) feet wide in the clear.

g. To cover all holes drilled and cover and maintain in safe condition all shafts and other openings when finished with use.

h. To allow the Commission and its representatives at all times to enter upon the property and into all parts of the workings for purposes of inspection, sampling and mapping.

i. To keep proper records of (1) shifts worked, (2) tonnage and grade of ore developed and extracted and (3) development work and drilling performed and assay data pertaining thereto.

j. To permit the Commission to audit the records specified above in paragraph 1, and to submit reports to the Commission covering these matters when requested to do so.

k. To permit the Commission to inspect maps and assay records relating to the premises.

5. The Contractor may use the surface of the area described only insofar as such use is necessary for the conduct of efficient operations, including the right of way over the surface for access to the workings. The Contractor shall have the right, to the extent required for efficient operations, to erect buildings and structures and install machinery, and it shall under the direction of the designated representative of the National Park Service of the Department of Interior (hereinafter called "Service"), and subject to the option of the Commission provided for in paragraph 6 below, remove any such buildings, structures and machinery placed on the property by it and restore their sites to a satisfactory condition within ninety (90) days after the end of the term of this agreement, or after its termination. These rights are granted subject to the proviso that no roads or trails or buildings or other structures shall be constructed or erected except upon the prior approval of the designated representative of the Service, it being understood that only those physical facilities which are necessary for efficient operations hereunder shall be installed. The Contractor shall have no right to cut and use timber except upon the written authorization of the designated representative of the Service.

6. The Contractor hereby grants to the Commission and the Service an option, (which may be exercised by either), to purchase at their reasonable salvage value all buildings, structures, machinery, rails and pipe installed or located by the Contractor on the premises, and remaining there at the end of the term or on the termination of this contract, this option to be exercised not earlier than ten (10) days prior to nor later than sixty (60) days after the end of the term or after the termination.

7. a. It is understood that neither the Commission nor the Service shall be responsible for any mechanics' or other liens, encumbrances or liabilities incurred by the Contractor in connection with the operation of the premises, and the Contractor assumes all responsibility for and will save the Commission and the Service harmless from all claims of whatsoever nature arising from the operation or occupancy of the premises. The Contractor shall forthwith post, and at all times keep posted, in some conspicuous place upon the premises a notice stating in substance that the property is being operated by the Contractor under an agreement with the Commission and that neither the Commission nor the property shall be subject to any liens, claims or encumbrances arising in connection with its occupancy and operation by the Contractor. Neither the Commission nor the Service shall be liable to any person not a party to this agreement for any claims arising in connection with this agreement or the premises.

b. The Contractor agrees to protect and indemnify the Commission and the Service against any payroll taxes or contributions imposed with respect to any employee of the Contractor by any applicable law dealing with old age pensions, unemployment compensation, workmen's compensation insurance and related subjects. The Contractor agrees to insure or cause to be insured to each and every workman employed in and upon the premises the compensation provided for in and by each and every statute applicable thereto with respect to workmen's compensation and/or employers' liability, in a reputable and financially responsible insurance company, and to furnish to the Commission evidence of such insurance.

c. The Contractor agrees to procure and maintain such bonds to insure compliance with all the terms of this agreement as the Commission may direct. The terms of any bond to be procured shall be submitted to the Commission for approval.

8. a. In consideration of the Contractor's performing the services provided for and complying with the terms of this agreement, the Contractor shall receive the proceeds due, if any, from the uranium ore processing plant or buying station to which ore is delivered. However, the Contractor shall pay to the Service by check or money order payable to the Treasurer of the United States, a royalty per ton of uranium ore extracted equivalent to ten (10%) percent of the payment received by the Contractor (1) from the processing plant or buying station and (2) in the case of bonus payments, from the Commission. For the purpose of calculating this royalty the development and haulage allowances shall be excluded.

9. Payment of such royalties during any calendar month shall be due and payable at the Office of the Superintendent, Zion and Bryce Canyon National Parks, Springdale, Utah on or before the 20th day of the succeeding month, unless otherwise mutually agreed upon, which agreement shall not require an amendment to this contract.

10. The Contractor shall immediately notify the Commission of all ore deposits of any kind which may be discovered by it, in any menner, by working within, or from the premises.

11. The Contractor must comply with the regulations of the Secretary of Interior governing the Monument except as they are inconsistent with the performance of this contract.

12. Neither this agreement nor any interest therein or claim thereunder shall be assigned or transferred by the Contractor except as expressly authorized in writing by the Commission.

13. This agreement may be terminated, at the option of the Commission, upon failure of the Contractor, except for reasons beyond its control, to comply with any of the agreements in this contract within fifteen (15) days after the receipt of a notice from the Commission specifying such failure and requesting compliance. In addition, should the Secretary of Interior revoke the authority granted to the Commission to enter into this contract, it shall automatically terminate. Upon termination the Commission or its representatives may, after demand of possession in writing, enter upon the premises and dispossess all persons occupying the same.

14. All disputes which may arise under this agreement which are not disposed of by mutual agreement shall be decided by a representative of the Commission, who shall reduce his decision to writing and mail a copy thereof to the Contractor. Within thirty (30) days from this mailing the Contractor may appeal in writing to the Commission, whose written decision or that of its designated representative or board (which shall not include the representative who made the decision referred to above) shall be final and conclusive. Pending decision of a dispute the Contractor shall diligently proceed with performance of this contract.

15. The Contractor warrants that it has not employed any person to solicit or secure this agreement upon any agreement for a commission, percentage, brokerage, or contingent fee. Breach of this warranty shall give the Commission the right to terminate this contract, or, in its discretion, charge to the Contractor the amount of such commission, percentage, brokerage or contingent fee.

16. No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom, but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

17. The Contractor, in performing this contract, shall not discriminate against any employee or applicant for employment because of race, creed, color or national origin.

18. As used in this agreement, the term "Commission" includes the Commission and its authorized representative or representatives.

19. It is expressly agreed between the parties that should any legal proceedings be instituted which would interfere with the possession and enjoyment of the premises, the Contractor shall not attempt to hold the Commission liable in damages or otherwise on account of such disturbed and interrupted possession and enjoyment.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written, intending to be legally bound thereby.

THE UNITED STATES OF AMERICA
By UNITED STATES ATOMIC ENERGY COMMISSION

Witnesses:

Harriet J. Ballard

Frank H. McClure
Director, Production Division
Grand Junction Operations Office

La Florecita Mining Co.

By _____
President

Michael F. O'Reilly
Secretary

APPENDIX A

DESCRIPTION OF PROPERTY UNDER CONTRACT WITH LaFLORECITA MINING CO.

CONTRACT No. AT(05-1)-CR-5

Beginning 25 feet west of the discovery monument and running north 1015 feet along the east boundary of the Oyler Tunnel Tract to the NE corner of said tract which is also the NW corner No. 1 of the LaFlorecita Uranium Exploration Tract,

thence east 1500 feet to NE corner No. 2,
thence south 1200 feet to SE corner No. 3,
thence west 1500 feet to SW corner No. 4,
thence north 185 feet to place of beginning.

The tract herein described is known as the LaFlorecita Uranium Exploration Tract and lies in the N½SW¼ section 25, T. 29 S., R. 6 E., S.L.M., in the Capitol Reef National Monument, Wayne County, Utah.

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

224 New Customhouse
Denver 2, Colorado

July 13, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration. Attention: 200

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 3026 (Uranium), La Florecita Mining Company, Wayne County, Utah.

Enclosed are four copies of the final report on the subject docket, a copy of the letter of denial to the applicant, and two copies of Form 3b.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures
HAC:cmm

cc: HMGordon w/copy of Final Report
RFFischer w/copy of Final Report
SHWilson w/copy of Final Report
AHKoschmann w/copy of Final Report
DMEA w/copy of Final Report
Mining Division w/copy of Final Report
Subject
AHKoschmann (2)
Chron.

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

200 New Customhouse
Denver 2, Colorado

June 9, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3023, La Florecita Mining Company, Wayne County, Utah.

Enclosed are 11 copies of the geologic report by J. Fred Smith of the U. S. Geological Survey covering the above docket.

It has been recommended that the loan be denied.

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

Enclosures (11)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Grand Junction, Colorado

June 5, 1953

Memorandum

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

From: R. P. Fischer
Colorado Plateau District office

Subject: DMEA Docket 3028, La Florecita Mining Co., Wayne County, Utah

Transmitted herewith are eleven copies of a geologic report on the La Florecita Exploration Tract, Wayne County, Utah. The La Florecita Mining Co. has applied for a loan to sink a 250-foot shaft to explore for uranium ore.

The attached report was prepared by J. Fred Smith and is based on detailed field work in this area in 1951 and 1952, in connection with mapping being conducted by the Geological Survey on behalf of AEC. Because of this work by the Survey, the AEC has made no detailed studies in this immediate area.

Because the Shinarump conglomerate, which contains the uranium deposits in this area, is more likely absent than present at the site of the proposed shaft, the report recommends that the application be denied. Furthermore, it is believed that the proposed shaft would be more appropriately considered development work than exploration.

Richard P. Fischer

Richard P. Fischer
Acting District Supervisor

Enclosures

UNITED STATES DEPARTMENT OF THE INTERIOR

DOUGLAS MCKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM

REGION IV

DMEA 3028 (Uranium)

La Florecita Mining Co., Wayne County, Utah

By

J. Fred Smith
U. S. Geological Survey

June 5, 1953

DMEA DOCKET 3028 (Uranium)

LA FLORECITA MINING CO., WAYNE COUNTY, UTAH

INTRODUCTION AND SUMMARY

The La Florecita Mining Company of Salt Lake City, Utah, has applied (Docket 3028) to the Defense Minerals Exploration Administration for a loan to explore for uranium on the La Florecita Exploration Tract in the Capitol Reef National Monument. The application is for $12,643.18, 90 percent of the total cost of the project, and calls for sinking a 250-foot shaft to the ore horizon (the Shinarump conglomerate).

This report is prepared on the basis of geologic work done by the Geological Survey during 1951 and 1952 in the vicinity of the ground controlled by the applicant.

It is recommended that the application be denied for the following reasons: (1) in this immediate area the Shinarump lenses and might be missing at the site of the proposed shaft; and (2) although the Oyler mine contains mineralized rock 1,100 feet to the west, no geologic data indicate the presence of ore in the area of the proposed shaft. Furthermore, the proposed shaft might be more appropriately considered development work than exploration. With good core recovery, a diamond-drill hole would yield nearly as much information as the shaft and cost much less.

GEOLOGY

At the site of the proposed shaft the Chinle formation is exposed. It is underlain by the Shinarump conglomerate, or by the Moenkopi formation where the Shinarump is absent, and is overlain by the cliff-forming Wingate sandstone.

The Shinarump conglomerate (the ore-bearing formation) is lenticular and commonly absent in outcrops for about 3½ miles northwest and about 1½ miles south of the exploration site. This lensing indicates that at any single locality where the Shinarump horizon is covered by younger beds in this immediate area, the Shinarump beds may be lacking. (See enclosed sketch map.)

Because of the lenticularity of the Shinarump in this area, it may be missing below the site of the proposed shaft.

ORE DEPOSITS

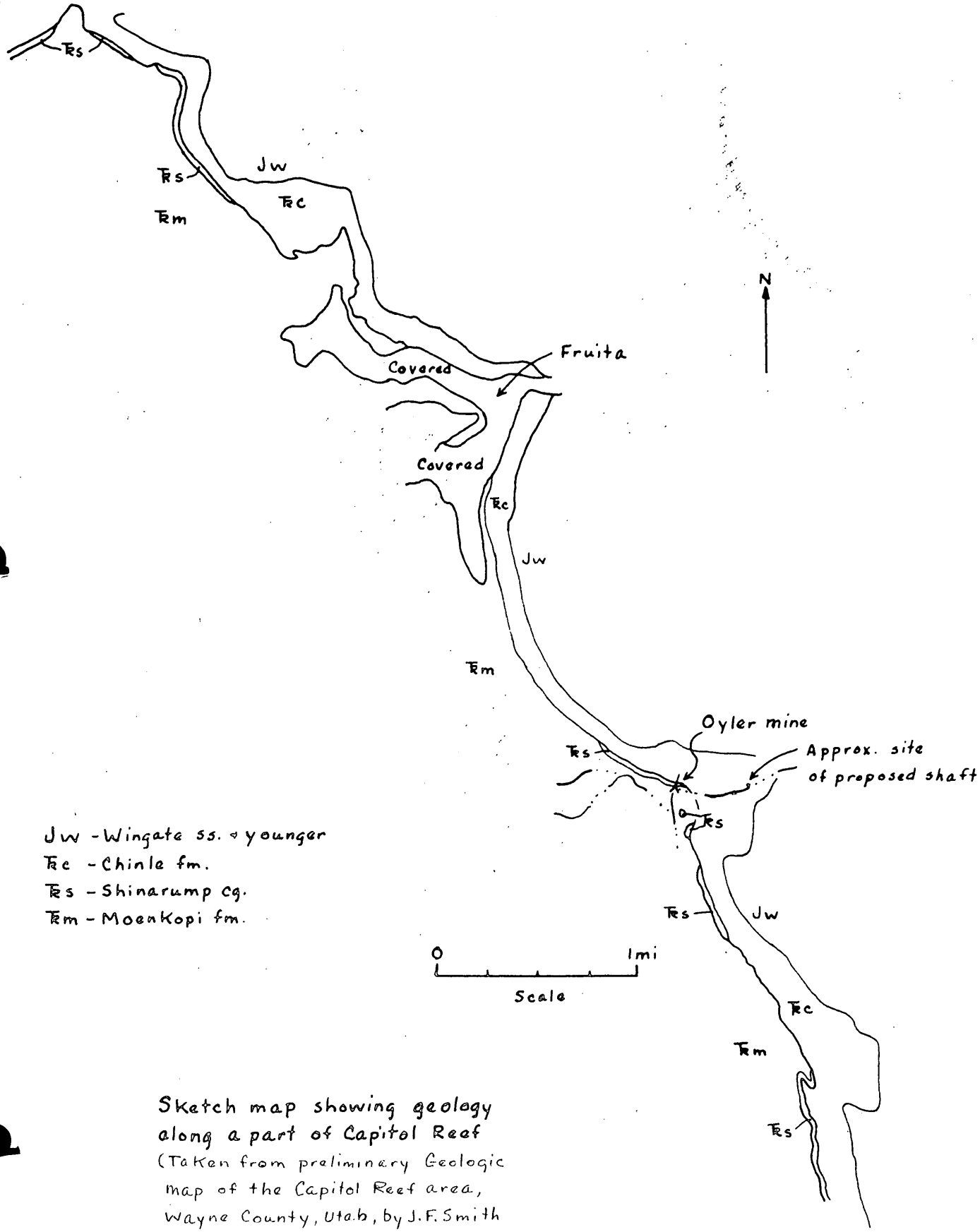
Most of the ore at the Oyler mine is in a clay layer, that averages about 1 foot in thickness, at the base of the Shinarump conglomerate. Sandstone overlying the clay is not mineralized. Spots in the upper 1 to 2 feet of the underlying Moenkopi formation are mineralized. The Shinarump sediments at the mine have filled a channel that was cut into the Moenkopi beds. The channel trends in a northerly direction.

On the Oyler Tunnel Tract south of the mine, slightly mineralized rock is exposed at several places along the Moenkopi-Shinarump contact. Meta-torbernite forms thin coatings chiefly along bedding planes in the upper siltstone of the Moenkopi and the basal clay of the Shinarump, but none of this rock is believed to be of minable grade in a minable thickness. On an isolated outcrop, one margin of a channel is exposed, and it probably is a southward extension of the Oyler channel. No channel-filling sediments have been observed elsewhere in the immediate vicinity.

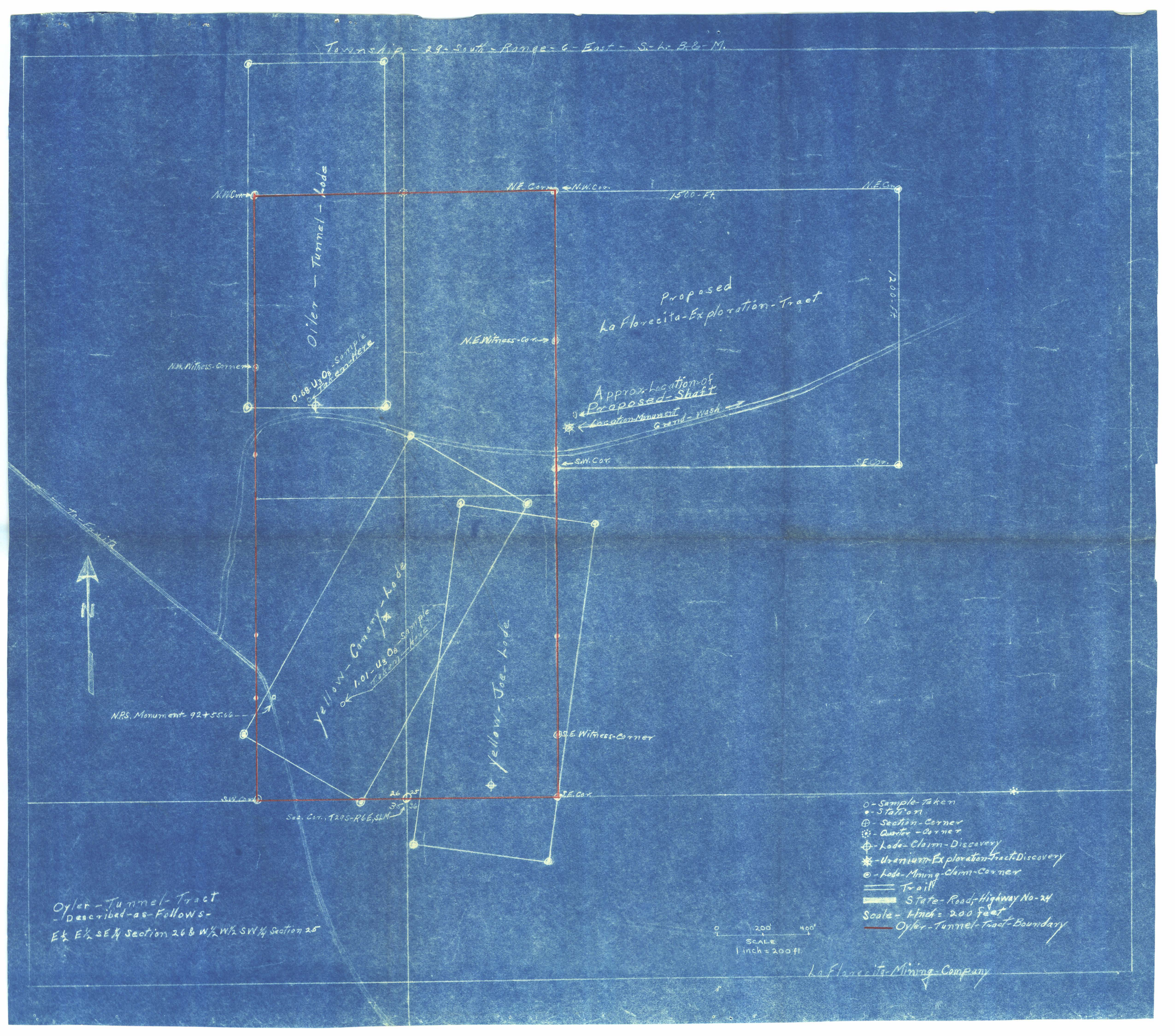
CONCLUSIONS AND RECOMMENDATIONS

In the vicinity of the La Florecita Exploration Tract, the Shinarump conglomerate is known to contain uranium-bearing rock of ore grade only in the Oyler mine, where the ore is in the basal beds of the formation where it fills a channel cut into the underlying Moenkopi formation. It is assumed that such a geologic environment is the favorable one for uranium deposits in this area.

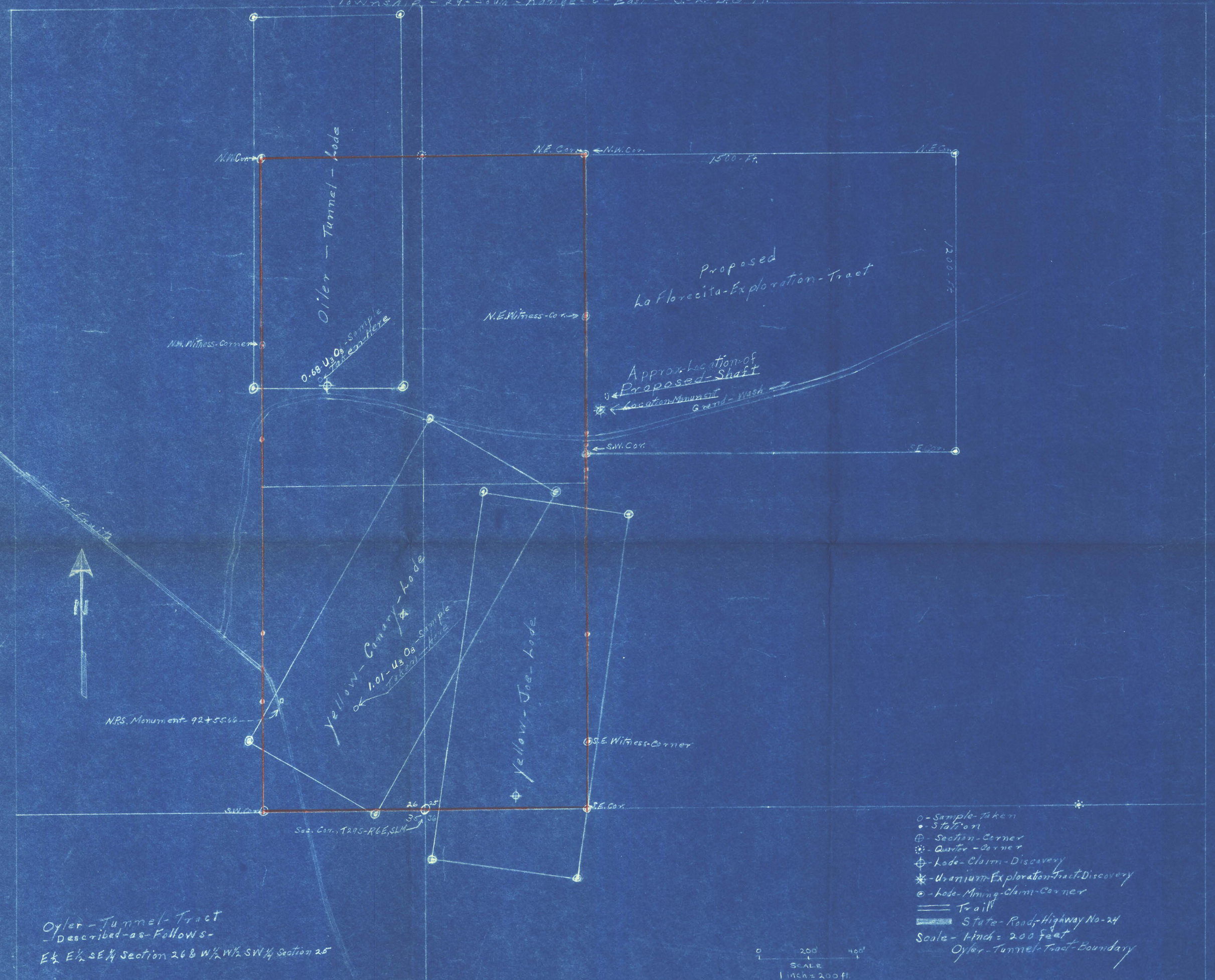
As the Shinarump is present along only a relatively small part of the outcrops in the area (see attached map), and as it forms channel fills along only a small part of the outcrops where the formation is present, the chance of the proposed shaft cutting an ore body is slight. For this reason, it is recommended that the application be denied. Furthermore, the proposed shaft might be more appropriately considered development work than exploration. With good core recovery, a diamond-drill hole would yield nearly as much information as the shaft and would cost much less.



Sketch map showing geology along a part of Capitol Reef
(Taken from preliminary Geologic map of the Capitol Reef area, Wayne County, Utah, by J.F. Smith et al, T.E.M.R. 538)


Township - 29 - South - Range - 6 - East - S. L. B. & M.
N.W. Cor.
N.E. Corner
N.W. Cor.
1500 - Ft.
N.E. Cor.
Oiler - Tunnel - Lode
Proposed
La Florecita - Exploration - Tract
1200 - Ft.
N.E. Witness - Cor.
N.W. Witness - Corner
0.68 U3 O8 - Sample Taken Here
Approx. Location of Proposed - Shaft
Location Monument
Grand - Wash
S.W. Cor.
S.E. Cor.
To - Fruita
N
Yellow - Canary - Lode
1.01 - U3 O8 - Sample Taken Here
Yellow - Joe - Lode
N.R.S. Monument - 92+55.66
S.E. Witness - Corner
S.W. Cor.
26
25
35
36
S.E. Cor.
Sec. Cor., T29S - R6E, SLM
0 - Sample - Taken
• - Station
⊕ - Section - Corner
- Quarter - Corner
- Lode - Claim - Discovery
- Uranium - Exploration - Tract Discovery
- Lode - Mining - Claim - Corner
Trail
State - Road, - Highway No - 24
Scale - 1 inch = 200 feet
Oyler - Tunnel - Tract - Boundary
0
200'
400'
SCALE
1 inch = 200 ft.
Oyler - Tunnel - Tract
Described - as - Follows -
E½ E½ SE¼ Section 26 & W½ W½ SW¼ Section 25
La Florecita - Mining - Company

Township - 29 - South - Range - 6 - East - S. L. B. & M.



Oyler - Tunnel - Tract
- Described - as - Follows -

E½ E½ SE¼ Section 26 & W½ W½ SW¼ Section 25

La Florecita Mining Company