DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4516

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
Leases and assignments of leases
Application and attachments
(3) Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order)
Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9775

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

RECEIVED
OCT 24 1956

224 New Customhouse
Denver 2, Colorado

October 22, 1956

Memorandum

To: Secretary to the Operating Committee

From: DMEA Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Paul G. Hewitt, Frank L. Winton (Partners) (Millie Luna et al claims) Saguache County, Colorado

Enclosed are three copies of the subject application in the amount of $4,498.00.

The application is very sketchy. Mention is made of an assay report showing .17% U_3O_8, but no idea is given of the location and extent of the area sampled. The Applicant quotes only one drilling bid of $2.00 per foot for holes 125 feet in depth. The drilling firm who gave him that bid shares in the profit of the venture. No claim map accompanied the application, so the location of the Applicant's proposed work with relation to the property boundaries is not known.

DMEA Field Team, Region III

By W. M. Traver
Executive Officer

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT 24 1956

DMEA
DEPARTMENT OF THE INTERIOR
OCT 22 1956
REGION III
DENVER, COLORADO

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. 4516
Metal or Mineral Uranium
Date Received 10-24-56
Estimated Cost $4498
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: Paul G. Hewitt
Frank L. Winton (partners)

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 20 mining claims in Cotton Creek Canyon, R 11 E, T 45 N, Saguache County, Colorado. Name of claims: Millie Luna #1-9; Sylvia #1-6; Faith #2-4; P.O.2; Sid;
Recorded in Saguache county, Book 270, pages 92 through 115

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise owner of mineral rights as we claimed land

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

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

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

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

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which 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 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☒ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated OCT 16, 1956

WINTON V. HEWITT
(Applicant)

By PAUL E. HEWITT

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

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OCT 24 1956

1d; Paul G. Hewitt, 701 West Sackett Ave., Salida, Colorado
Frank L. Winton, 701 West Sackett Ave., Salida, Colorado

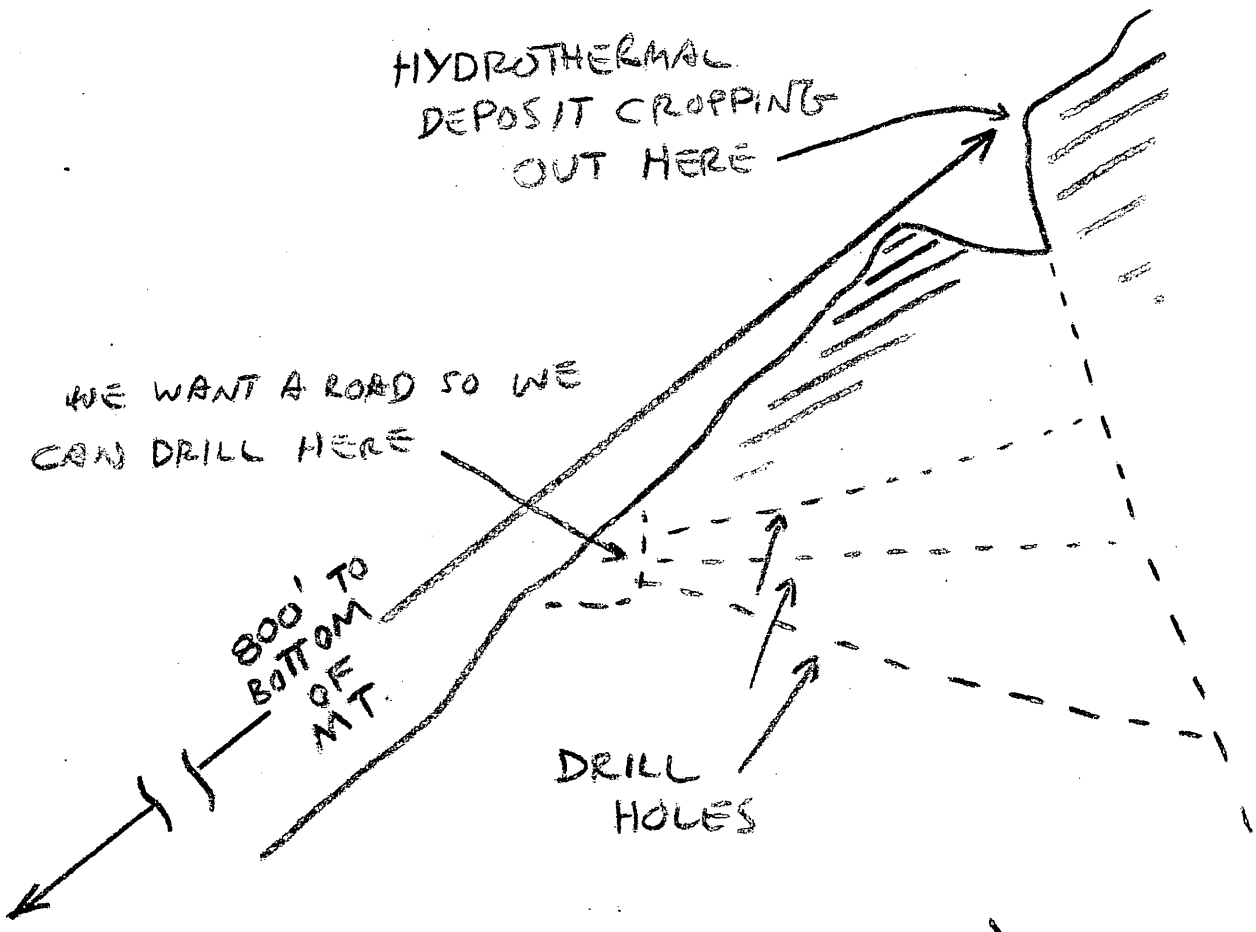
3b; Millie Luna

4a; Exploration operations completed to date are a 10 foot hole blasted out on Sylvia #1 lode, a 10 foot hole blasted out on Millie Luna # 1 lode, and a 35 foot by 20 foot deep hole blasted out on side of hill on Millie Luna # 9 lode.
Assessability to mine workings are fairly good. At the mouth of Cotton Creek Canyon, in Saguache County, R11E, T45N, there is a jeep road. Three miles (approx) up the road brings one to our camp grounds. Across the creek and 800 feet up the mountain side brings one to our workings.
Winton and Hewitt are 50-50 interest.

b; No production of ore, but assay reports .17% U_3O_8. Quantity is plenty, but thin, coming up through fractures for many places for over 4500 feet along the surface.

c; Description;

PERMIAN + PENNSYLVANIAN FORMATION -



(CUTAWAY VIEW)

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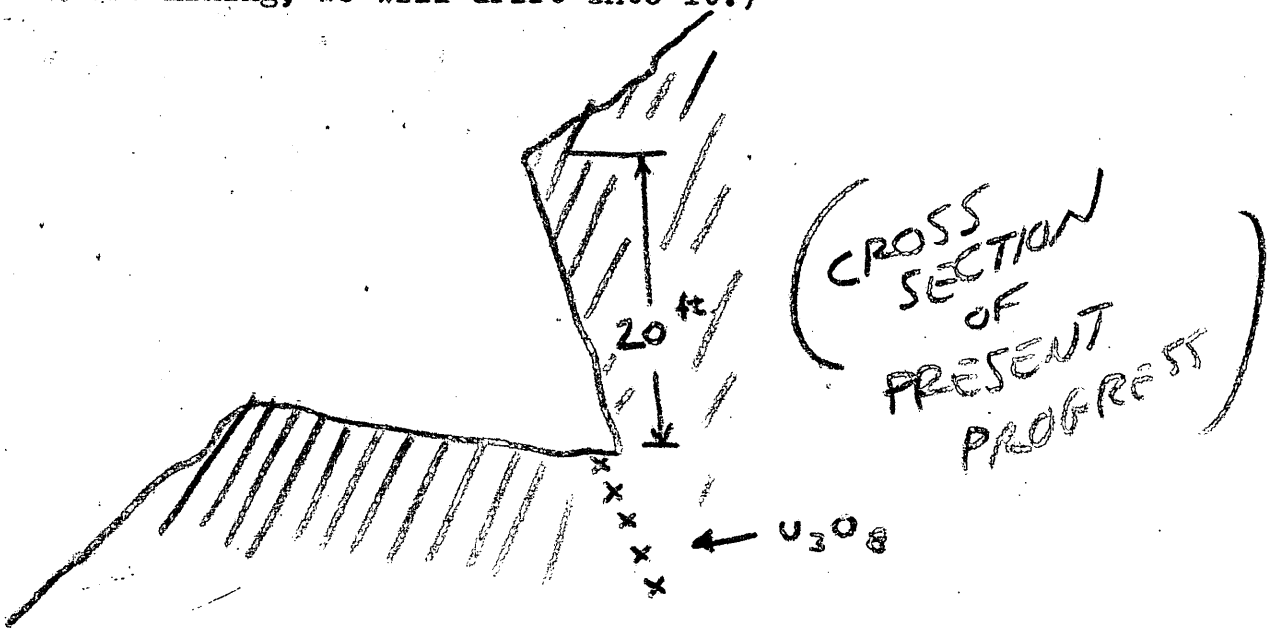
OCT 24 1956

5b; We want to build a road so we can get drilling equipment just below our present workings, and drill in to intercept the uranium at different points. (If the ore increases in grade and thickness enough to merit mining, we will drift into it.)



d; As for myself, I am merely a prospector and have no experience at mining. My partner's experience is limited to his experience while working for the Climax Molybdenum Company. We plan to contract the work out to a reliable concern

6 Bulldozing: 222 hours @ $9.00 per hour (DG Cat or TD 14 A Dozer) $ 1998.00
Drilling 10 holes estimated, 125' each(1250 ft.) @ $2.00 per foot (2 1/8" diam.) for sampling cuttings and probing
$ ~~1250.00~~ $2500.00

Total money needed	$4498.00
Less 25%	1124.50
LOAN NEEDED	$3373.50

Contract bid on by FURPHY & LARSON EXPLORATION CO., of Salida Colorado. (W.H. Larson, partner, supervises 25 years mining and quarrying)

7 Furphy & Larson will furnish our 25% of the costs, for which they will share in the profits of this venture.

DMEA Form 7
(12-56)

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Date	Surname	Code
7/16	Ching	700
"	Knouff	700
7/17	Martin	130
7/17	Yager	130
7/17	Kiilsgaard	130
7/17	Lyman	110
"	Chatterday	100
7/18	P.K.	220
		225

JUL 16 1957

Messrs. Paul G. Hewitt
and Frank L. Winton
701 West Sackett Avenue
Salida, Colorado

Re: Docket No. DMEA-4516 (Uranium)
Millie Luna, et al., Claims
Saguache County, Colorado

Gentlemen:

Your application for aid in an exploration project and other information available to us in Washington concerning your above-named property have been reviewed.

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

Careful study of all our information, although noting a small amount of uranium mineralization on your property, indicates that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Edmondson (for)

Administrator

MChing/gla
7-16-57
cc to: Admr.'s Reading File
Operating Committee
Code 700, Mr. Ching
THKiilsgaard, Rm. 5224
DMEA Field Team, Region III (2)

8623

DOCKET COPY

Ching

July 15, 1957

Summary of Proposed Project

Object:	Denial of application for an exploration project.
Docket No.:	DMEA-4516
Commodity:	Uranium
Applicant:	Paul G. Hewitt and Frank L. Winton, Partners 701 West Sackett Avenue Salida, Colorado
Property:	20 lode mining claims, Millie Luna Nos. 1-9, Sylvia Nos. 1-6, Faith Nos. 2-4, P. O. 2, and Sid, located tentatively in sec. 16, T. 45 N., R. 11 E., 6th P.M. & B., Saguache County, Colorado. Applicant claims ownership of all claims but examiners note that one-half interest in Sylvia Nos. 1-6 claims held by Bennett and one-half interest in Sid claim held by Sidney Chapman.
Date of application:	October 16, 1956.
Amount of Application:	$4,498.00
Referred to Region III:	December 12, 1956
Field Examination made:	June 4, 1957
Field Team report recd.:	July 3, 1957
Work proposed:	Prepare access road by bulldozer and drill 10 holes to intercept a steeply dipping radioactive zone. Estimated costs follow:

222 hrs. bulldozing @ $9.00/hr.	$1,998.00
1250 feet drilling @ $2.00/ft.	2,500.00
Total	$4,498.00
Government participation @ 75%	$3,373.50

Field Team Report: June 28, 1957 - D. H. Richter, USGS
C. M. Harrer, USBM

The claims are underlain by a thick series of overturned Permian and Pennsylvanian sedimentary rocks. Weak anomalous radioactivity is confined to a zone in the lower 2 to 3 feet of a dark gray calcareous siltstone and shale unit in the Pennsylvanian near the contact with the Permian beds. This zone is traceable over most of the property and is known to continue, probably sporadically, for a distance of at least 10 miles. The best exposure of the zone is in a small prospect pit on the Millie Luna No. 3 claim, where the radioactivity reached 5 times background of 0.02 Mr/hr. Bedding plane shears and cross fractures here do not show abnormal radioactivity and apparently did not control the localization of the radioactive minerals.

Three samples from selected areas showing the strongest radioactivity assayed 0.029, 0.030, and 0.056% U_3O_8.

The uranium potential of the property is limited because of (1) the lack of known structural control, (2) absence of visible uranium minerals, (3) low uranium content of the radioactive zone, and (4) failure of erosion over a length of at least 6,200 feet and a vertical distance of over 500 feet to expose significant mineralization. It is recommended that the application be denied.

Commodity Group Comments

U. S. Geological Survey - N. E. Nelson, July 5, 1957

Concurs with examiners that further exploration is not justified and that the application should be denied.

U. S. Bureau of Mines - James Paone - July 8, 1957

Agrees with the Field Team and advises denial of the application.

Division of Rare and Miscellaneous Metals - Michael Ching, July 15, 1957

Representative samples at the most radioactive points along the uranium-bearing zone failed to show ore-grade material. Surface exposures of the

zone are extensive. Drilling would reveal no more than the existing exposures.

Conclusions and Recommendations:

The uranium potential of this property is very limited. It is recommended that the application be denied.

F. L. Knouse

F. L. Knouse, Acting Director
Division of Rare and
Miscellaneous Metals

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7/9	P.K	220
		700

July 8, 1957

4516

Uranium

Paul G. Hewitt & Frank L. Winton
Millie Luna, Sylvia, & Faith
Saguache County, Colorado
$4,498.00

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
James Paone, Bureau of Mines Member
Uranium Commodity Committee

JP

Field Team Report

6/28/57 7/5/57

[illegible]

IN REPLY REFER TO:

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

July 5, 1957
Re: DMEA 4516
Paul G. Hewitt and Frank L. Winton
Millie Luna, etc. claims
Saguache County, Colorado
$4,498.00 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicants requested assistance in exploring by drilling a zone of fractured rock 4500 feet long. Uranium minerals occur in the fractures, according to the application.

The examiners found a thin zone of radioactive rock associated with a dense, dark grey, calcareous shale-siltstone. The radioactive zone does not appear to be localized by fracturing and the weak radioactivity appears unrelated to structural control. No uranium minerals were seen and a character sample of the highest grade material found contained only 0.056% U_3O_8.

The radioactive zone has been traced by sporadic outcrops for 10 miles. The best exposure seen is a 6-inch streak. A sample of it showed 0.030% U_3O_8.

The examiners conclude further exploration is not justified and recommend that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

July 1, 1957

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		1305
7/8	C	220
	Ching	700

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Docket DMEA 4516 (Uranium) Paul G. Hewitt and Frank L. Winton (Millie Luna, Sylvia, and Faith Claim Groups) Saguache County, Colorado

Enclosed are the original and three copies of the Joint Report of Examination on the subject property by C. M. Harrer, USBM, and D. H. Richter, USGS.

The field examiners conclude that the probability for making a significant discovery is not sufficiently promising to justify Government participation. Accordingly, they recommend that the Applicant's work proposal be denied to which the Field Team concurs.

W. H. King
W. H. King
Executive Officer

Reviewed by
DMEA OPERATING COMMITTEE
7-5-57
(date)

ON-SITE EXAM. REPORT

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA
DEPARTMENT OF THE INTERIOR
JUN 28 1957
REGION III
DENVER, COLORADO

Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

June 28, 1957

TRANSMITTED
JUL 1 1957

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman

Subject: DMEA Docket 4516 (Uranium), Paul G. Hewitt and Frank L. Winton (Millie Luna, Sylvia, and Faith claim groups), Saguache County, Colorado

Enclosed are the original and nine copies of a report by D. H. Richter, U. S. Geological Survey, and C. N. Harrer, U. S. Bureau of Mines, covering their examination of the subject property.

The applicant proposes to explore the property by preparing access roads and diamond drilling 10 holes at an estimated cost of $4,498.00

Very minor amounts of uranium are associated with a 6 inch ± thick zone in a series of Pennsylvanian (?) sedimentary rocks. Samples of the most radioactive material contained 0.056 percent U_3O_8.

The examiners conclude, and I concur, that exploration will not lead to the discovery of significant amounts of uranium ore.

Denial of the application for exploration assistance is recommended.

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		130 ~~316~~
		220

Original signed by
E. N. HARSHMAN

E. N. Harshman
Member, Field Team

Enclosures (10)
ENHarshman:mp

Reviewed by
DMEA OPERATING COMMITTEE
7-5-57
(date)

FOR UNITED STATES GOVERNMENT USE ONLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

TRANSMITTED
JUL 1 1957

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

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DATE | CODE
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220

DMEA 4516

Paul G. Hewitt and Frank L. Winton

Millie Luna, Sylvia, and Faith groups

Saguache County, Colorado

Uranium

Joint Engineering and Geological Report

by

D. H. Richter, Geologist
Geological Survey

C. M. Harrer, Mining Engineer
Bureau of Mines

June 28, 1957

Reviewed by
DMEA OPERATING COMMITTEE
7-5-57
(date)

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Project proposals..... 9

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ILLUSTRATIONS

Figure — Follows page

1. Location map, Millie Luna, Sylvia and Faith groups, Paul G. Hewitt and Frank L. Winton, Saguache County, Colorado. DMEA 4516..... 2

2. Location and geology map, Faith, Sylvia, and Millie Luna claims, R. 11 E., T. 45 N., Saguache County, Colorado. DMEA 4516..... 11

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RECEIVED JUL 3 1957

DATE	INITIALS	CODE

DMEA 4516

PAUL G. HEWITT AND FRANK L. WINTON
MILLIE LUNA, SYLVIA, AND FAITH GROUPS
SAGUACHE COUNTY, COLORADO

INTRODUCTION AND SUMMARY

Paul G. Hewitt and Frank L. Winton, P. O. Box 248, Salida, Colorado, on October 24, 1956, applied for Defense Minerals Exploration Administration assistance to explore their Millie Luna, Sylvia, and Faith groups of contiguous lode claims for uranium by 10 core drill holes totaling 1,250 feet. Exploration would include an access road and drill site preparation. Total cost of the project is estimated at $4,498.00. Government participation of 75 percent would be $3,373.50. The claims are in the Blake (Cotton Creek) mining district of Saguache County.

Heavy winter snows delayed the examination of the property until June 4, 1957, when it was visited in the company of Frank L. Winton, one of the applicants.

The claims are underlain by a thick series of Permian (?) red beds and Pennsylvanian (?) sedimentary rocks that strike NW and have an overturned dip of 45° to 60° SW. A dense, dark gray, calcareous shale-siltstone unit in the series contains a consistent but thin zone of weak radioactivity which is lithologically similar to the rest

of the rock unit. The radioactive zone does not appear to be localized structurally and exhibits no visible uranium minerals. Although samples containing 0.17 percent U_3O_8 have been reported by the applicant, the highest grade material sampled by the writers contains only 0.056 percent U_3O_8.

From the geologic information gathered to date the probability of discovering a significant uranium deposit on the property is small and further exploration does not appear to be justified. It is recommended that the application for DMEA assistance be denied.

ACKNOWLEDGMENTS

The examination was made in the company of Frank L. Winton, one of the applicants. Representatives of the Denver Exploration Branch of the Atomic Energy Commission were consulted.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The applicants' claims are tentatively located in sec. 16, T. 45 N., R. 11 E., 6th P.M., Blake (Cotton Creek) mining district, Saguache County, Colorado (figs. 1 and 2). The property is in steep and rough terrain on the southwest slope of the Sangre de Cristo mountains, in San Isabel National Forest. The claims are reached by driving southerly from Salida on paved U. S. Highway 285 to its junction with Colorado State Highway 17, thence southerly on Highway 17 to a point one mile beyond the Mineral Hot Springs, thence

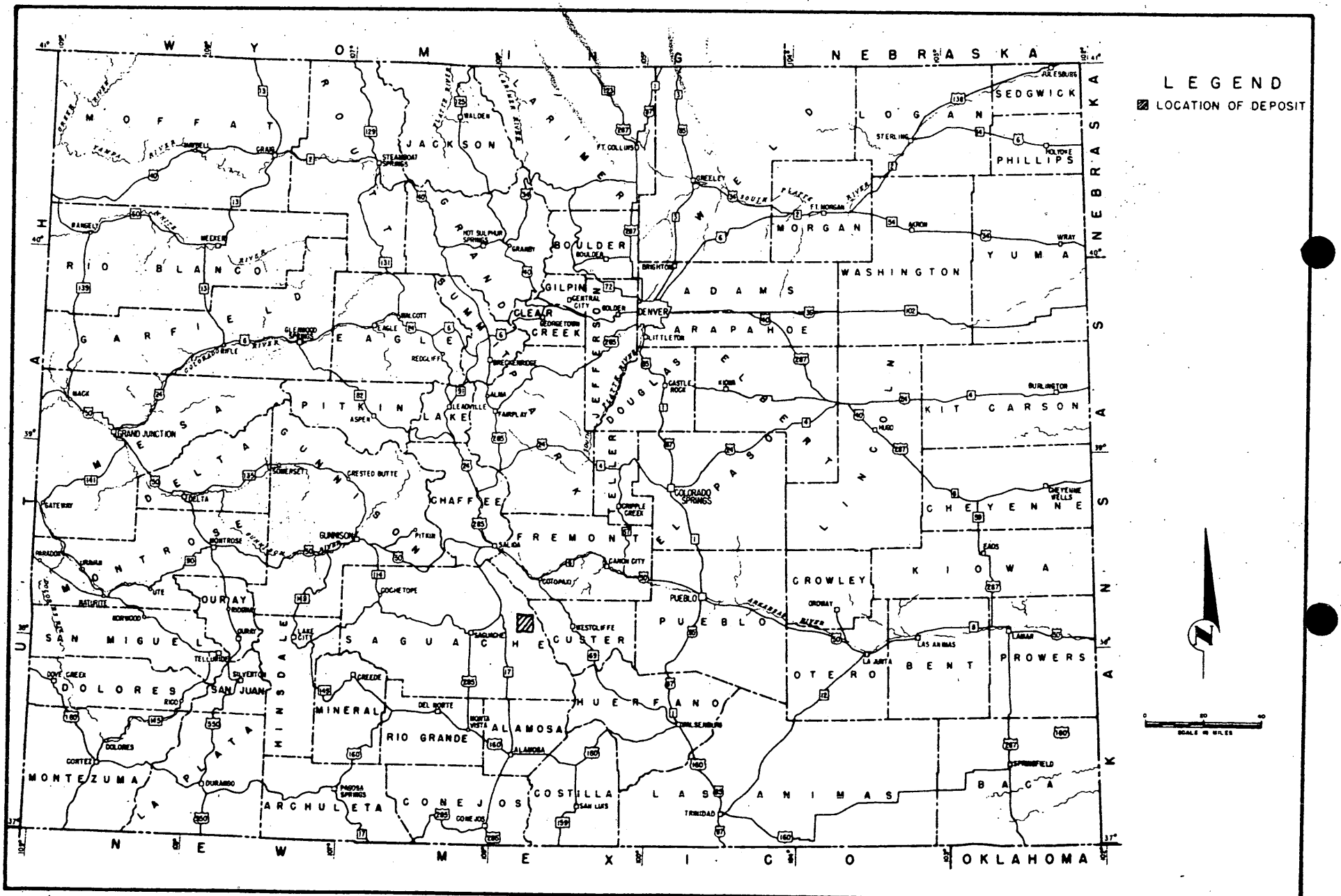


FIGURE 1 - LOCATION MAP, MILLIE LUNA, SYLVIA AND FAITH GROUPS, PAUL G. HEWITT AND FRANK L. WINTON, SAGUACHE COUNTY, COLORADO - DMEA 4516

8 miles easterly over dirt roads across the San Luis Valley to the foot of the Sangre de Cristo Mountains and the mouth of Cotton Creek Canyon, thence 3 miles easterly up the canyon. Winters in the San Luis Valley are generally mild, however, heavy snows are common on the mountain slopes at the mine location. Labor for small operations is available locally. Supplies are obtainable at Salida. Truck transportation and the Denver and Rio Grande Western Railroad are available at Salida. Uranium processing plants are located at Durango, Rifle, and Grand Junction, Colorado.

HISTORY AND PRODUCTION

The Millie Luna, Sylvia and Faith groups of claims were discovered, located and recorded during August-September 1955. There has been no production from the claims to date and work is limited to prospecting and assessment requirements.

OWNERSHIP

Information on the location and ownership of the claims is tabulated as follows:

Saguache County Records

Claims	Book	Pages	Date of Discovery	Date of Location	Date of Registration	Ownership F.L. Winton	P.G. Hewitt	Bennett
Millie Luna Nos. 1-9	270	95-104	8/24/55	8/24/55	9/21/55	1/2	1/2	0
Sylvia Nos. 1-6	270	109-115	8/24/55	8/24/55	9/21/55	3/8	1/8	1/2
Faith Nos. 2-4	270	92-94	9/16/55	9/16/55	9/21/55	1/2	1/2	0
P. O. No. 2				not recorded to date		1/2	1/2	0

The Sid claim is not recorded to date; 25 percent is owned by Winton, 25 percent by Hewitt and 50 percent by Sidney Chapman. Mr. Winton informed the examining team that their application was intended to cover only the Millie Luna group.

GEOLOGY AND SAMPLING

The Millie Luna, Sylvia, and Faith claims on the western slopes of the Sangre de Cristo range in south central Colorado are underlain principally by a thick series of overturned Permian (?) and Pennsylvanian (?) sedimentary rocks [1/] that exhibit some weak radioactivity. The rocks, in order of increasing age, consist of the following general units (fig. 2):

1/ For a general discussion of the geology north and south of the subject property see: Gabelman, J. W., Structure and Origin of Northern Sangre de Cristo Range, Colorado; A.A.P.G., Bull., V. 36, No. 8, pp. 1574-1612, 1952.
Burbank, W.S., and Goddard, E. N., Thrusting in Huerfano Park Colorado and related problems of orogeny in the Sangre de Cristo Mountains; G.S.A. Bull., V. 48, No. 7, pp 931-976, 1937.

		Rock types	Approximate thickness (ft.)
Permian (?)	Unit 1	Coarse- to medium-grained red arkosic sandstones and red pebble to boulder conglomerate.	> 400
Pennsylvanian (?)	Unit 2	Massive, blue-gray limestone at base, grading upward into a pink-gray limestone, slightly conglomeratic at top. Crinoid fossils abundant in part.	12
	Unit 3	Dark-gray, dense, calcareous shale and siltstone, with minor sandstone. Micaceous throughout.	8
	Unit 4	Gray-green sandstone, siltstones, and minor shales and thinbedded limestone.	> 100

The rocks strike N. 50° to 60° W. and have an overturned dip between 45° and 55° to the southwest.

Weak anomalous radioactivity is apparently confined to a zone in the lower 2 to 3 feet of the dark gray calcareous siltstones and shales (unit 3). This zone, which is lithologically similar to the rest of the unit, is traceable over most of the property and according to the AEC [1/] is known to continue, probably sporadically, for at

---

1/ H. Ranspot, Denver Office AEC.

least 10 miles. The best exposure of the radioactive zone is on the Millie Luna 3 claim where the applicant has excavated a small prospect pit. Here the radioactivity, with a maximum level of approximately 5 times background (background = 0.02 Mr/hr) is confined to a zone 6 inches wide, 1 foot above the base of the dark gray shale-siltstone. The applicant reports a selected sample from this pit contained 0.172 percent U_3O_8. Calcite-filled bedding plane shears and cross fractures, which are exposed in the pit, do not show any abnormal radioactivity and apparently have not exercised any control in the localization of the radioactive minerals in the dark gray siltstones. This lack of structural control is further substantiated by other exposures on the Millie Luna 1 and 3 and Sylvia 1 claims where the radioactive zone shows no evidence of shearing or fracturing.

Maximum radioactivity detected by the writers (7X background) was in an outcrop 100 feet west of the main prospect pit and in a piece of dump material below the prospect pit. On the Sylvia 1 claim radioactivity of 5X background was noted in an outcrop exposure and 2X background was measured in a small pit from which the applicant reports an assay of 0.16 percent U_3O_8 and 0.10 percent V_2O_5.

Three samples collected by the examiners from selected areas showing the strongest radioactivity were assayed with the following results (fig. 2):

Sample	Description	Radioactivity (X background of 0.02 Mr/hr)	U_3O_8 (percent)
H-1	6" channel sample across radioactive zone in main prospect pit on Millie Luna 3 claim.	5	0.029
H-2	6" channel sample across radioactive zone in outcrop 100 feet west of main prospect pit.	7	0.030
H-3	Chip sample from dump at the main prospect pit.	7	0.056

A composite of the three samples contains 0.005 percent V_2O_5.

In summary it is evident that: 1) the lack of known structural control, 2) absence of visible uranium minerals, 3) very low uranium content of the radioactive zone, and 4) exploration by erosion over a length of at least 6,200 feet and a vertical distance over 500 feet, does not enhance the uranium potential of the property. Moreover, the relative high assays obtained by the applicant versus the very low grade material observed and sampled by the writers is possibly indicative of very near surface enrichment along the radioactive zone.

ORE RESERVES

There is no basis on which to make an estimate of ore reserves.

PRESENT STATUS

Exploration and development

The Millie Luna No. 3 claim is developed by two small cuts at radioactivity highs along the outcrop and approximately 500 feet above the creek level. The Sylvia No. 1 claim is developed by one small pit at a radioactive high. Work accomplished by the applicants is limited to the above and prospecting.

Mining, milling, and other facilities

There are no mining, milling or other facilities on the property and any ore found would be hand sorted and shipped on the instructions of the Atomic Energy Commission.

Pine, spruce, and aspen timber abound on the property and water is available from Cotton Creek in the canyon floor. Supplies and labor are obtainable from Salida.

PROJECT PROPOSALS

The applicants propose to construct up to one mile of access road to drill sites on their Millie Luna No. 3 claim and to core drill 10 holes totaling 1,250 feet to explore the zone of weak

radioactivity exposed in the outcrop and pit. Costs are distributed as follows:

Access road		
222 hours of bulldozer road work at $9.00 an hour	$ 1,998.00	
Core drilling		
10 holes estimated at 125 feet deep, totaling 1,250 feet, at $2.00 a foot. Holes to be 2-1/8 diameter (NX).	2,500.00	
Total cost of project		$ 4,498.00
Government participation, 75 percent		$ 3,373.50

Drilling costs are an estimate by a local contractor, Furphy and Larson Exploration Co., of Salida and includes an unspecified interest in the property. The agreement is vague and not binding.

If their drilling program delineates a significant uranium ore body, the applicants would be interested in an underground exploration program.

CONCLUSIONS AND RECOMMENDATIONS

The radioactive zone on the claims has been explored by erosion over a length of 6,200 feet and a vertical distance of at least 500 feet without exposing any potentially significant uranium deposit. Furthermore, the radioactive zone, as presently exposed,

does not appear to be structurally controlled, contains no visible uranium minerals, and contains only minor amounts of U_3O_8. In conclsuion, therefore, it appears that further exploration is not justified and it is recommended that the application for DMEA assistance be denied.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 4 1957

DATE		
1-4-57	C C	700

Region III

Building 20
Denver Federal Center
Denver 2, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
DEC 28 1956
REGION III
DENVER, COLORADO

December 28, 1956

Memorandum

To: W. M. Traver, Executive Officer, DMEA Field Team, Reg. III

From: Acting Supt., Denver Experiment Station, Reg. III

Subject: Docket DMEA 4516 (Uranium), Paul G. Hewitt and Frank L. Winton (Millie Luna, et al claims) Saguache County, Colo.

The application for Paul G. Hewitt and Frank L. Winton, Docket DMEA 4516 in the amount of $4,498.00 was received in this office on December 28, 1956.

A field examination will be made and suitable report prepared by an engineer from the Denver office.

JOHN F. SHAW

John F. Shaw

cc: W. M. Traver (2)
E. N. Harshman
J. F Shaw
See Op. Com. (2)

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

224 New Customhouse
Denver 2, Colorado

December 27, 1956

Memorandum

To: W. H. King (2) (w/brochure)
E. N. Harshman (w/brochure)

From: DMEA Field Team, Region III

Subject: Docket DMEA 4516 (Uranium) Paul G. Hewitt and Frank L. Winton (Millie Luna, et al claims) Saguache County, Colorado

Enclosed is the subject application in the amount of $4,498.00. A field examination and suitable report are requested.

Enclosed for your further information is a copy of a letter from the Chairman of the Operating Committee, dated December 12, 1956, together with memoranda of review of the application by N. E. Nelson and John E. Crawford.

DMEA Field Team, Region III

Original signed by
W. M. TRAVER

By W. M. Traver
Executive Officer

Enclosures

HMC:ytl
cc: Sec. Op. Comm. (2)
Docket 4516
Chron.

RECEIVED
DEC 31 1956
D.M.E.A.

700

FILE COPY
Surname:
Ching
Selfridge

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

DEC 12 1956

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA-4516 (Uranium)
Paul G. Hewitt and Frank L. Winton
Millie Luna, et al., Claims
Saguache County, Colorado

Dear Mr. Traver:

The subject application is being referred to you for investigation, a field examination if warranted, and recommendations. A copy of the application was retained by your office.

Copies of memoranda, dated November 1 and December 5, by W. E. Nelson, USGS, and December 4, 1956, by John E. Crawford, USBM, relating to the application, are enclosed for your information. Also enclosed are two extra copies of the original application, and two copies of a supplemental sketch with covering letter, dated November 12, 1956, from the Applicant.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GB)

Enclosures

APPROVED:

Frank D. Lamb (GB)
Member, Bureau of Mines

Thor H. Kiilsgaard (GB)
Member, Geological Survey

MChing/izm 12-10-56

cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
Operating Committee
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

C

700

FILE COPY
Surname:
Ching
Lois
Lamb
Kilgore
Selfridge
Johnson

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

DEC 12 1956

Messrs. Paul G. Hewitt and
Frank L. Winton
701 West Sackett Avenue
Salida, Colorado

Re: Docket No. DMEA-4516 (Uranium)
Millie Luna, et al., Claims
Saguache County, Colorado

Gentlemen:

The application for assistance in exploring your property, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to:

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

MChing/izm 12-10-56
Copy to: Mr. Frank L. Winton
Docket
Code 700
Admr.'s Reading File
DMEA Field Team, Reg. III (2)

IN REPLY REFER TO:

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

December 5, 1956

Re: DMEA 4516
Paul G. Hewitt and Frank L. Winton
Millie Luna Mine
Saguache Co., Colo.
$4,498.00 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of supplemental information, a claim map showing outcrop line.

The map indicates a long line of outcrops from which samples were taken. The material which was selected in the 3 cases assayed 0.17%, .10 % and 0.16% U_3O_8.

Several points where "fair readings" -- radiometric-- were obtained are indicated.

The new information gives little support to the application.

Again referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

12/4/56

Date December 4, 1956

DMEA Docket No. 4516
DMEA Contract No.
Commodity uranium
Name of applicant Paul G. Heritt & Frank L. Winton
Name of property Millie Luna et al claims
Location of property Saguache County, Colorado
Estimated cost of project $4,498.00

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee
From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee
Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 10/24/56. 2. Date received by reviewer: 12/4/56.

3. Prior reports on this property known to reviewer: Yes [ ] No [x]

4. Prior reports on nearby properties known to reviewer: Yes [ ] No [x]

5. Information available on past production: Yes [ ] No [x]

6. Other pertinent factors known to reviewer: Yes [ ] No [x]

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location [ ]
   b. Ownership [ ]
   c. Evidence of mineralization [ ]
   d. Geology [ ]
   e. Proposed exploration method [ ]
   f. Alternate exploration method [ ]
   g. Costs [ ]
   h. [ ]

9. Action advised:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [x]
   c. Danial [ ]
   d. Agree with Field Team [ ]
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another examination [ ]
   h. Approval [ ]
   i. Consult with Mr. E. E. Thurlow at Denver AEC office.

10. Remarks: (Use back of page if necessary) Mr. J. O. Hosted, Washington representative of the Atomic Energy Commission, assisted in the review.

12/4/56

NOVEMBER 12, 1956
BOX 248
SALIDA, COLORADO

RECEIVED
NOV 20 1956
D.M.E.A.

RARE & MISC. METALS DIV.
U.S. DEPT. OF THE INTERIOR
D.M.E.A.
WASHINGTON, D.C.

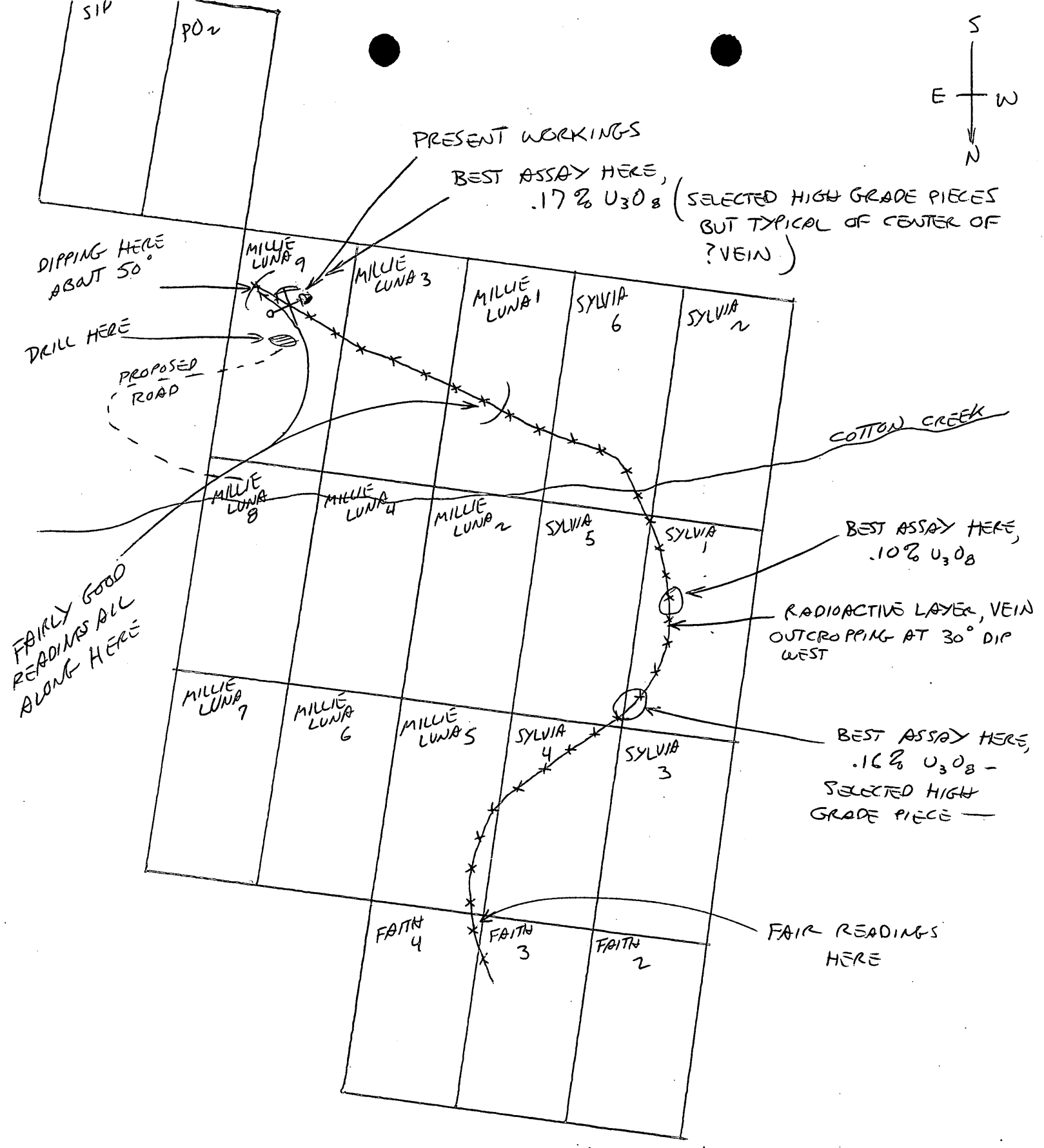
DEAR MR. ELLIS,

IN REFERENCE TO YOUR LETTER OF OCT 30th, IN REGARDS TO OUR MILLIE LUNA CLAIMS, DOCKET NO. DMEA-4516, I SEND THESE 4 COPIES OF A MAP OF OUR CLAIM LAYOUT, & PROPOSED WORK. I HOPE THIS WILL SUFFICE, AND COMPLETE OUR APPLICATION, FOR FURTHER PROCESSING.

SINCERELY YOURS,

PAUL G. HEWITT

P.S. THE DISTANCE OF THE PROPOSED ROAD IS ABOUT 3500 ft. WE ANTISAPATE ON ABOUT, 1000 OR 1500 ft OF DRILL HOLE.



PROPOSED ROAD TO BE APPROXIMATELY 2200' LONG, WINDING UP SLOPE, ENDING BELOW OUTCROPPING WHERE DRILLING IS PROPOSED. SAMPLES USED FOR ASSAY WERE FROM PART OF OUTCROPPING WHICH HAD HIGHEST READING ON SCINTILLATOR —

11/2/56 gla

IN REPLY REFER TO:

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

RECEIVED NOV 2 1956 D.M.E.A.

November 1, 1956

Re: DMEA 4516
Paul G. Hewitt & Frank L. Winton
Millie Luna Group
Saguache County, Colorado
$4,498.00 - Uranium

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application.

The applicants request assistance in exploring a zone of fractured rock, 4500 feet long. Uranium materials occur in the fractures, and one assay report showing .17% U_3O_8 is quoted. No information is given concerning the thickness, frequency, etc., of the fractures. The proposed drilling seems to be planned to test the zone at 3 or 4 places down hill from open cuts. A fan of 3 or 4 holes would be drilled at each setup.

The sketchy application hardly justifies an examination; however, referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

700

FILE COPY
Surname:
Ching
Mathewson

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

Messrs. Paul G. Hewitt and
Frank L. Winton
701 West Sackett Avenue
Salida, Colorado

OCT 30 1956

Re: Docket No. DMA-4516 (Uranium)
Millie Luna, et al., Claims
Saguache County, Colorado

Gentlemen:

We have reviewed your application for aid in an exploration project and find the information submitted too incomplete for further processing. It is requested that you submit the following additional information:

A claim map showing all of the land that is to be included in the proposed project, and also, showing the position of the workings described in your application, the position of the vein outcroppings, the location of the sample or samples which were assayed, and the location of the proposed road and diamond drill holes.

Please give the length of the road required. Also, describe the manner in which the sample or samples were taken. In other words, were they representative channel samples taken across the full width of the vein, grab samples, or selected high-grade pieces?

All the above information should be submitted in quadruplicate.

We shall continue to process your application when the above-requested information has been received.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

Copy to Frank L. Winton
MChing/izm 10-30-56
cc to: Docket
Code 700
Mr. Ching
Admr.'s Reading File
DMEA Field Team, Reg. III (2)
Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

October 26, 1956

Mr. Paul G. Hewitt
701 W. Sackett Ave.
Salida, Colorado

Subject: DMEA-4516
Re: Exploration Assistance
Millie Luna

Dear Mr. Hewitt

Your application for exploration assistance, dated October 16, 1956 submitted to our office at Denver, has been assigned Docket Number DMEA-4516 and referred to the Rare and Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

(Sgd) Allen S. Dakan

Allen S. Dakan, Chief
Operations Control and
Statistics Division

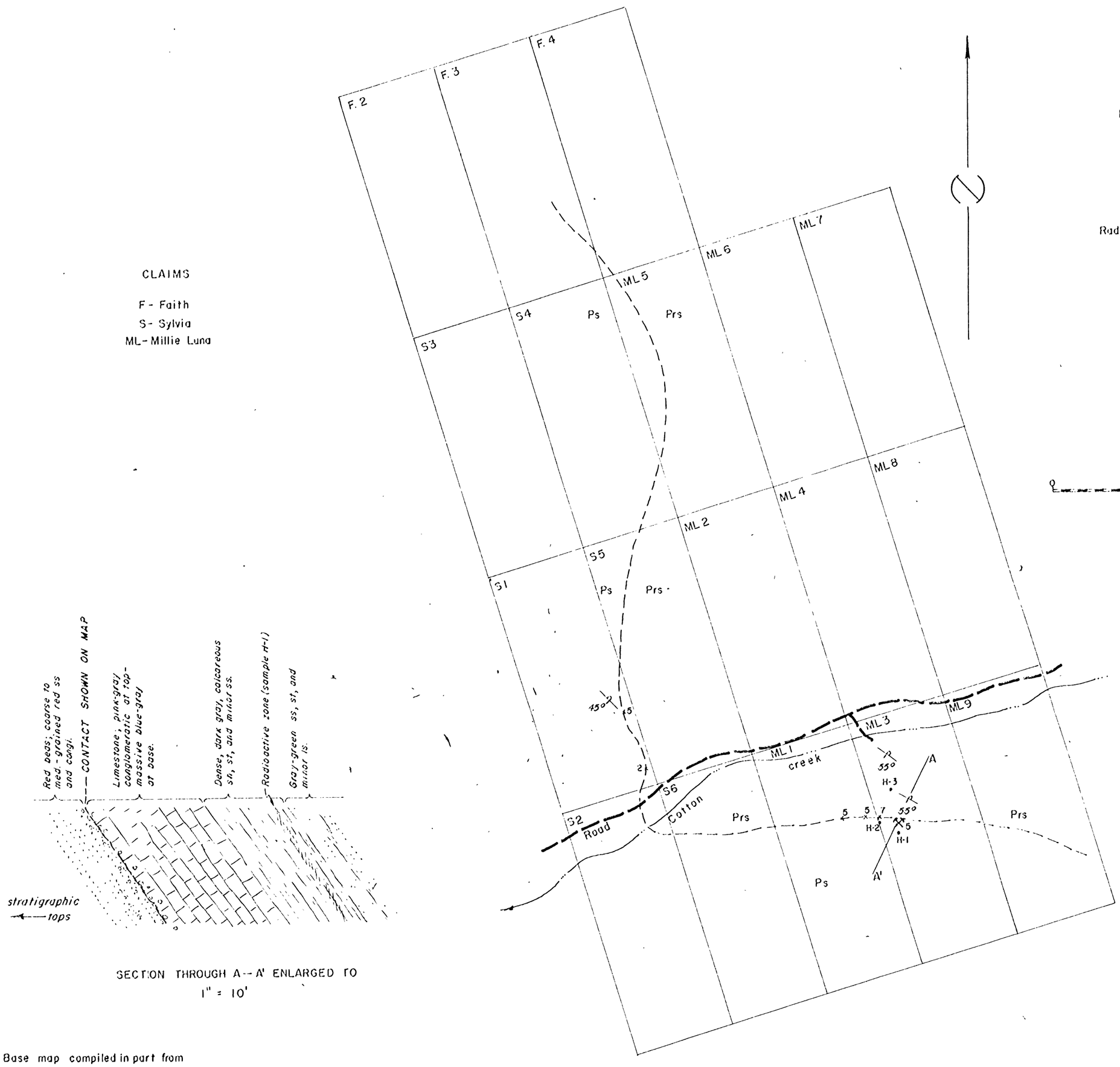
Copy to:
Region III. Denver, Colorado
Code 700

3571

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

EXAMINATION REPORT
DMEA 4516

PREPARED FOR
DEFENSE MINERALS
EXPLORATION ADMINISTRATION



CLAIMS

F - Faith
S - Sylvia
ML - Millie Luna

EXPLANATION

Ps / Prs

Ps - Pennsylvanian (?) ss, sh, and ls.

Prs - Permian (?) redbeds.

550

Attitude of overturned beds.

5

Radioactivity over background. Background-0.02 Mr/hr

• H-2

Sample location and number.

Main prospect pit.

SCALE

1" = 500'

0 500 1000 1500 FEET

SECTION THROUGH A--A' ENLARGED TO
1" = 10'

Base map compiled in part from information furnished by applicant.

D. H. Richter, June '57

FIGURE 2. LOCATION AND GEOLOGY MAP, FAITH, SYLVIA, AND MILLIE LUNA CLAIMS, R11E, T45N, SAGUACHE CO., COLO.