MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE

Contract No. _____ Docket No. _____

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [x] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [ ] Application and Attachments

Right Side

- [ ] Project Summary (final)
- [ ] Work Completed Analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam. Report (Tab) 7/70
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. _____: Reports

- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

Right Side

- [ ] Field Team Semiannual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with Transmittal, Narrative and Maps

Folders No. _____: Maps (Use pocket folder or envelope)

Folders No. _____: Settlement Sheets

Folders No. _____: Drill Logs

Folders No. _____: Royalty Material

72195-65

MME Form 40
(Revised Nov. 68)

Budget Bureau No. 42-R1368
Approval expires Dec. 1971

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OFFICIAL COPY O. M. E. RECEIVED JUL 28 1969 INITIALS CODE

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85—701 (72 Stat. 700; 30 U.S.C. 641)

NAME OF APPLICANT *(Full legal name and mailing address as they should appear on contract if one is executed.)*

Harold M. Woodruff and Flossie A. Woodruff
Rural Route One
Colcord, OKLahoma 74338

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER 6801

DATE RECEIVED 7·28·69

REGION III

DIVISION CODE

BUSINESS ORGANIZATION *(Check one)*

INDIVIDUAL	X
CORPORATION	
PARTNERSHIP	
OTHER *(Specify)*	

STATE IN WHICH FIRM IS ORGANIZED

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE
Uranium, Industrial Diamonds, and Platinum group metals

ESTIMATED COST OF PROJECT
Approximately $7,500.

PROPERTY NAME	LOCATION COUNTY	STATE
Woodruff farm	Delaware	Oklahoma

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. II). To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit two copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 3(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Department of the Interior, U.S. Geological Survey, Office of Minerals Exploration, Washington, D. C., 20242, or with the nearest OME Field Office.*

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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

7-23-69
DATED

Harold M. Woodruff + Flossie A. Woodruff
BY (Signature)

TITLE

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense.
U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include (1) true copies of your letters to credit sources which show date of loan request, amount and terms requested, and proposed use of loan funds and (2) true copies of replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements signed by owner on MME Form 52. If the agreements cannot be obtained, state reasons and whether you can furnish a performance bond.

3. Physical Description:

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a)

(c) State, if you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves, giving quantities and grades.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) If you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates. State your reasons for expecting to find ore.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property state name, address, and telephone number of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *land boundaries* or to the closest identifiable corner.

(b) If an access road must be built, show the proposed location on the property map and state the length, type and construction methods proposed.

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs for time and materials *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note*—If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and price of each. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i. e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant which will be used in the exploration work.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration work, stating specifications and cost including labor, materials, and supervision.

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(e). Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories. [*Note*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

H. M. Woodruff
Rural Route One
Colcord, Oklahoma 74[illegible]8

INFORMATION REQUIRED WITH THIS APPLICATION

1. Financial Eligibility:
   (a) See attached true copies of letters.
   (b) None
   (c) Through actual cash and supervision.
2. Applicant's Rights in Land:
   (a) We own land and all mineral rights.
   (b) NE 15.39 A. Lot 1 & NW 15.39 A. Lot 1 & NE 15.72 A. Lot 2 of 3 - 20 - 24.
   and SW SE SE & SE SW SE of 34 - 21 - 24.
   (c) None
3. Physical Descriptions.
   (a) About 240 hours of bulldozer work and 200 hours percussion drilling by hand also a powder house exists.
   (b) All
   (c) Never been in production.
   (d) There are great possibilities.
   (e) The geological formation and type of deposit is an igneous intrusion vein deposit.
   (f) The samples taken were at the outcrop at the surface. The sample method used was by hand.
   We find in this vein fissure cavities and pipe like areas filled with coal like carbon. In these fissure cavity pipes we find singally imbedded what appears to be carbonado, a closely knit aggregate of very small diamond crystals. Also singly embedded are individual stones which range in size from a fraction of a karat to 15 karats, ranging in color from brown to gold to black and also transparent.

   Also, the area is highly radio active.
   (g) Pertaining to the geological reports - I could only refer you to Dr. Brown V. Monnet, head of the geological staff at Oklahoma State University, Stillwater, Oklahoma, which he would not deny or confirm at that time, only stating its great possibilities.
4. Accessibility of Property:
   (a) I plan to aid the representative myself in giving directions to reach the property. H. M. Woodruff, Rural Route One, Colcord, Oklahoma, telephone area 918 326-4430.
   (b) The shipping and supply point would be Gentry, Arkansas, which is 14 miles from here by good blacktop road.
5. Exploration Work:
   (a) The proposed exploration work will be performed with pneumatic percussion hand drill method at the outcrop of the vein, also core drilling at the deeper portions of the ore body.
   (b) There are no access roads to be built.

H. M. Woodruff
Rural Route One
Colcord, Oklahoma 74338

(c) If an OME contract is executed, I plan to start work in the near future, and plan to finish in the specified time which will be stated in the contract.

6. Experience:

The experience and background to conduct this exploration - May I first present my experience and ability to find and explore such a structure to this degree, I will also detail my intentions to supervise: (a) First, at the outcrop the vein at this point is visible which will be a great advantage. (b) Pneumatic percussion drill methods will be done by light hand drills or heavy drill mounted on a wagon or truck. This method is cheaper when exploring for relatively shallow deposits near the outcrop. (c) Core drilling will be necessary in the evaluation of the deeper portion of the ore body where development cost becomes increasingly greater. After the geology in this area has been established by preliminary reconnaissance core drilling, the unit drilling cost can be decreased. (d) Precussion drilling in all but shallow holes is limited to dry formations and usually satisfactory to a depth of about 225 feet. But in exceptional cases percussion drilling has been successful to a depth of about 400 feet.

7. Estimate of Costs:

(a) An independent contractor will do the core drilling. The cost per foot for core drilling is approximately $3.50 per foot. There may be some bulldozer work to be done which will be $15.00 per hour.

(b) The personal services which I will perform myself can be considered at a reasonable rate of wage.

(c) Operating material and supplies will consist of hand drills and other supplies not yet fully determined.

(d) Operating equipment will be a compressor with pneumatic hand drills which I intend to use myself.

(e) The existing buildings and fixtures only consists of a powder house 12 ft. by 12 ft. There is no operating equipment now owned by this applicant.

(f) New buildings, fixtures, and installations would only consist of possibly repairing the existing powder house and building a tool shed - not to exceed $1,000.

(g) (Miscellaneous) Not knowing the exact type also the exact type of equipment that will be presented in this contract it would be hard to answer these questions under this section of miscellaneous.

P.S. Near one of the outcrops there is a cave which is believed could have possibly been explored by some early expedition, possibly the Spaniards.
A large number of these stones which have been found was found concealed in the wall of this cave sealed with material which appeared to be charcoal and ashes. This aided in finding the source from which they derived.

July 18, 1969
Rural Route One
Colcord, Oklahoma 74338

Mr. Charlie Daves
Decatur State Bank
Decatur, Arkansas

Dear Mr. Daves:

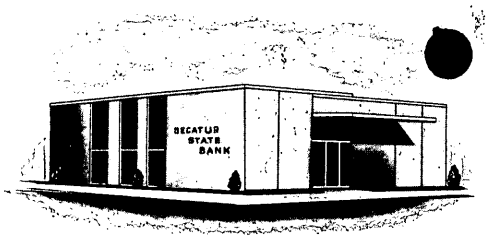
I am writing in regards to a mineral exploration program that I have. I am in need of financial assistance in this program. The amount I request is $7,500. The terms I propose - I would like to repay at a reasonable royalty when put into production. Would the Decatur State Bank be interested in such a financial assistance loan? If so, I will be in soon to give a full detail of my plan.

If interested, would you please state the rate of interest, etc.

Sincerely yours

H. M. Woodruff

H. M. Woodruff



DECATUR STATE BANK

DECATUR, ARKANSAS

OFFICERS:
LLOYD E. PETERSON, CHAIRMAN
CHARLES L. DAVES, PRES.
[redacted], CASHIER
DIRECTORS:
DR. E. N. McCOLLUM
DOROTHY M. PETERSON
J. R. KINCAID
C. JIMMIE CARTER
C. TOM EDMISTON

July 22, 1969

Mr. H. M. Woodruff
Route 1
Colcord, Oklahoma, 74338

Dear Mr. Woodruff:

With reference to your request for a loan for mineral exploration to be repaid from royalties if and when you would go into production. I am indeed sorry but our loan policy would not permit us to make a loan of this kind. Our loan requirements demand that we have a definite due date for each loan or a definite amortization of an indebtedness.

I am very sorry that we could not handle this for you.

Very truly yours,

C L Daves

Charles L. Daves, President

CLD:mkw

FEDERAL DEPOSIT INSURANCE CORPORATION
$10,000 MAXIMUM INSURANCE ON EACH DEPOSITOR
MEMBER

July 18, 1969
Rural Route One
Colcord, Oklahoma 74338

Mr. Jack Clardy
Citizens Bank
Bentonville, Arkansas

Dear Sirs:

I am writing in regards to a mineral exploration program that I have. I am in need of financial assistance in this program. The amount I request is $7,500. The terms I propose - I would like to repay at a reasonable royalty when put into production. Would your bank be interested in such a financial assistance loan? If so, I will be in soon to give a full detail of my plan.

If interested, would you please state the rate of interest, etc.

Sincerely yours,

H. M. Woodruff

Citizens BANK
BENTONVILLE, ARKANSAS 72712

JACK CLARDY
Vice President and Cashier

TELEPHONE
AC 501/273-5586

July 22, 1969

Mr. H. M. Woodruff
Rural Route # 1
Colcord, Oklahoma 74338

Dear Mr. Woodruff:

We appreciate your request for a loan with our bank, however, at this time, we feel we are not in a position to finance this type of operation.

Sincerely,

Jack Clardy

Jack Clardy
Vice President & Cashier

JC/mac

United States Department of the Interior

GEOLOGICAL SURVEY
12201 SUNRISE VALLEY DRIVE
RESTON, VIRGINIA 22092 September 23, 1975

Mr. Harold M. Woodruff
Rural Route One
Colcord, Oklahoma 74338

Re: OME-6801 (Uranium, Industrial Diamonds, and Platinum Group metals)
H. M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Dear Mr. Woodruff:

This letter is in reply to your recent request to Congressman Ted Risenhoover for information on assays of samples obtained during our examination in 1970 of mineralized material on your farm near Colcord. The examination was made following receipt of your application for financial assistance from the Geological Survey's Office of Minerals Exploration.

The results of analyses of chip samples from the No. 1 and No. 2 vein outcrops are shown on the enclosed table. The sparse mineral content of the samples as disclosed by these analyses is not indicative of an economic deposit. The probability of finding significant reserves of uranium, industrial diamonds, and platinum group metals was not sufficiently promising to justify Government participation in the exploration program you had proposed.

Sincerely yours,

Harold Kirkemo, Chief
Office of Minerals Exploration

Enclosure

Copy to: Honorable Ted Risenhoover
Attention: Gregg, 1407 Longworth Building

cc: DRF
MR Rdg.
OME Rdg.
OME Files
Mr. Kirkemo

HKirkemo/dis

Spectrographic analysis of jasperoid, in percent[1/]

Sample	Fe	Mg	Ca	Ti	Mn	B	Ba	Cr	Cu	Ni	Pb	Si	Al
Vein No. 1	1.00	0.015	0.15	0.001	0.003	0.003	0.007	0.0002	0.0007	0.0007	0.001	10.00+	0.20
Vein No. 2	2.00	.015	.03	.003	.003	.003	.007	.003	.007	.0015	.0015	10.00+	0.15

Atomic Absorption analysis of jasperoid in percent

Sample	Zn
Vein No. 1	0.0009
Vein No. 2	.0013

Radiometric assay of jasperoid in percent

Sample	eU
Vein No. 1	0.005
Vein No. 2	.005

1/ Looked for but not found or not found in measurable quantities: As, Au, Be, Bi, Cd, Co, La, Mo, Nb, Pd, Pt, Sb, Sc, Sn, Sr, Te, U, V, W, Y, Zn, Zr, Na, P, Ph, Ce, Ga, Ge, Hf, In, Li, Re, Ta, Th, Tl, Yb, Eu.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/4/70	Emerick	120
	Jordan	
		120M
		120
		220

AIRMAIL

AUG 6 1970

Mr. Harold M. Woodruff
Rural Route One
Colcord, Oklahoma 74338

Re: OME-6801 (Uranium, Industrial Diamonds, and Platinum Group metals)
H. M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Dear Mr. Woodruff:

A careful review of your application for financial assistance to explore the subject property and other information available to us indicates that the probability of disclosing significant reserves of uranium, industrial diamonds, and platinum group metals on your property is not sufficiently promising to justify Government participation in the proposed exploration. Accordingly, we regret to inform you that your application for assistance is denied.

We wish to thank you for your interest in the minerals exploration program and for bringing your property to our attention.

Sincerely yours,

William L. Emerick

William L. Emerick
Assistant Chief
Office of Minerals Exploration

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
OME Region III
Mr. Emerick
130

WLEmerick/bsl 8/4/70

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/4/70	Emerick	120
		220

August 4, 1970

MEMORANDUM

To: The File

From: William L. Emerick
Office of Minerals Exploration

Subject: OME-6801 (Uranium, Industrial Diamonds, and Platinum Group metals)
H. M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Justification for Denial of Application

The applicant proposed to explore for uranium, industrial diamonds, and platinum group metals by rotary-drilling an unspecified number of holes in an unknown direction to an unknown depth in a target area of two presumed fissure veins at a total cost of $8,950. The Government's participation in the project at 62-1/2 percent of the total cost would amount to $5,594.

A careful examination of the presumed two veins by the OME field examiner did not disclose any evidence of uranium, industrial diamonds, or platinum group metals. The applicant had previously been informed by a Professor of Geology at Oklahoma State University that the so-called diamonds were quartz crystals and the supposed uranium minerals were only iron oxide stains on the rock surface. The OME field examiner verified these facts and concluded that the geological probability of making a significant discovery of valuable minerals on the property was not sufficient to consider approval of the application and, therefore, recommended denial.

The Field Officer and this writer reviewed the examination report and concur with the recommendation of denial.

William L. Emerick

William L. Emerick

cc; Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
Mr. Emerick

WLEmerick/bsl 8/4/70

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

Memorandum

TO : Chief, OME

DATE: July 27, 1970

FROM : Field Officer, Region III

SUBJECT: OME-6801 (Uranium, Industrial Diamonds, and Platinum Group Metals)
Harold M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Transmitted herewith is a report of examination prepared by Philip B. Mudgett, Mining Engineer, U. S. Geological Survey, July 21, 1970 concerning the subject property. Results of the field examination made June 11, 1970 indicated that only a trace of uranium and no industrial diamonds or platinum group metals were found. Several small weakly mineralized replacement masses of jasperoid may be indicative of distantly located deposits of zinc and lead, but there is little chance of finding them on the Woodruff farm. I have studied and reviewed the report of examination and agree with Mr. Mudgett that the application should be denied.

J. William Hasler

J. William Hasler

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 29 1970

INITIALS	CODE
	30
	20
	20

5010-108

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

Memorandum

TO : J. William Hasler, Field Officer, Region III, OME

DATE: July 21, 1970

FROM : Philip B. Mudgett, Mining Engineer

SUBJECT: OME-6801 (Uranium, Industrial Diamonds, and Platinum Group Metals, Harold M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Attached is my report covering the field examination of the above property.

Only a trace of uranium and no industrial diamonds or platinum group metals were found. Several small weakly mineralized replacement masses of jasperoid may be indicative of distantly located deposits of zinc and lead but there is little chance of finding them on the farm. Denial of the application is, accordingly, recommended.

Philip B. Mudgett

5010-108

Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

UNITED STATES

DEPARTMENT OF THE INTERIOR

WALTER J. HICKEL, SECRETARY

GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION

REGION III

Report of Exam

OME-6801 (Uranium, Industrial Diamond, and Platinum Group Metals)

H. M. and Flossie A. Woodruff

Woodruff Farm

Delaware County, Oklahoma

By

Philip B. Mudgett

Mining Engineer

July 1970

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OME-6801 (Uranium, Industrial Diamond,

and Platinum Group Metals)

H. M. and Flossie Woodruff

Woodruff Farm

Delaware County, Oklahoma

Summary

Harold M. and Flossie A. Woodruff applied for federal assistance to explore for uranium, industrial diamonds, and the platinum group metals on the Woodruff farm near Colcord, Oklahoma, on July 23, 1969. The applicant proposed to conduct a rotary drilling program from the surface to intersect two outcropping veins at depth for an estimated cost of about $9,000.00. The application was referred to the field on April 10, 1970, and an examination of the property was made by Philip B. Mudgett on June 11, 1970.

The farm property comprises about 50 acres of poor farming land in southeastern Delaware County, Oklahoma, and title is held by the applicants.

The mine workings consist of three partially-filled 4' x 4' shafts, sunk vertically to depths of 20 feet, 30 feet and 65 feet in barren limestone.

No valuable minerals have ever been produced from or nearby the farm. The nearest mining district is the Picher field located about 50 miles to the north where nearly a billion dollars worth of zinc and lead has been produced since 1904.

Mr. Woodruff declared that he had discovered uranium and industrial diamonds in two vein outcrops on his farm in 1956, but disavowed finding any platinum group metals. The subsequent sinking of three small shafts without finding the veins and the receipt of discouraging advice from Dr. V. Brown Monnett, Head, Department of Geology, Oklahoma State University, in no way diminished his firm belief in the validity of his discovery.

Some wide-spaced drilling for oil and gas and other minerals was apparently done in the general area by several large mining companies in 1956 and 1957 without any public release of their findings.

A careful examination of the so-called vein outcrops failed to disclose any evidence of uranium, industrial diamonds, or platinum group metals. However, geological conditions on the farm are similar to those in the Picher field where the Mississippian Boone formation has yielded vast amounts of zinc and lead. An exposure of the Boone formation on the farm encloses several small replacement masses of jasperoid that suggest the possible presence of zinc-lead deposits somewhere within a broad surrounding area. But this small isolated instance of weak hydrothermal activity does not warrant any further prospecting or exploration on the involved lands. Denial of the application is accordingly, recommended.

Introduction

In his memorandum of April 10, 1970, the Chief, Office of Minerals Exploration, requested the Field Officer, Region III, to review the subject application, conduct a field examination, if necessary, and make recommendations regarding approval of an exploration contract.

The application was reviewed by the Field Officer and Philip B. Mudgett who examined the property on June 11, 1970 in the company of the applicant Harold M. Woodruff and his two sons, Dennis and Lyndon.

The writer has taken freely from the published literature of Gore (1951) and McKnight and Fischer (1970) and from the personal opinions expressed by Richard P. Fischer and Allen V. Heyl of the U. S. Geological Survey. The only detailed geologic work that has been done on the property was accomplished by Gore in 1950.

Location and Accessibility

The Woodruff farm is located about one mile south and two miles west of Colcord, Oklahoma, in section 3, T. 20 N., R. 24 E., and section 34, T. 21 N., R. 24 E., Delaware County, Oklahoma.

Colcord is easily reached from Tulsa, Oklahoma, over paved State highway 33 easterly 63 miles to Kansas, Oklahoma, north 5 miles on paved State highway 10, and east 4 miles on Ranch road 166. From Colcord the farm is reached by travelling one mile south and two miles west over unmarked graveled roads.

Property

History

The Woodruff property is comprised of about 50 acres of poor farming land in southeastern Delaware County, Oklahoma, and title is

held by the applicants.

No valuable minerals have ever been commercially produced from or nearby the farm. The nearest mining district is the famous Picher field or Tri-State mining region which straddles the Oklahoma-Kansas State line a few miles west of the Missouri State line. The district, which has yielded more than a billion dollars worth of zinc and lead since 1904, is situated about 50 airline miles northwesterly from the farm.

In 1956, according to Mr. Woodruff, he discovered indications of radioactivity on his farm in a thin surficial deposit or green clay atop a 40ffoot high limestone bluff bordering Cloud Creek. Removal of the clay near the edge of the bluff exposed a vein (vein No. 1) in which he found uranium and black diamonds (see figure 1). Later he found another vein (vein No. 2) outcropping at the base of the bluff about 150 feet west or upstream from vein No. 1 which contained only "brightly-colored secondary uranium minerals." Chemical analyses of samples he took of the clay and vein materials indicated a content of 0.02% U_3O_8 for the clay and 0.05% U_3O_8 for both of the two vein outcrops. He then sank a 4' x 4' shaft about 55 feet south of the outcrop of vein No. 1 to a depth of 30 feet where it broke into the small end of a previously known natural cave without encountering the vein. Another 4' x 4' shaft sunk about 75 feet south of the outcrop of Vein No. 2 to a depth of 65 feet also failed to intersect that vein. A third 4' x 4' shaft was sunk about 300 feet south of the bluff face on a line midway between the two vein outcrops to a depth of 20

feet without encountering either vein.

In 1957, Mr. Woodruff with the aid of a State legislator influenced then Governor Gary of Oklahoma to instruct Dr. V. Brown Monnett, Professor of Geology at Oklahoma State University to examine his property. Mr. Woodruff claims that after the exmination Dr. Monnett stated that "it had great possibilities."

During my telephone conversation with Dr. Monnett on June 5, 1970, he informed me that he spent most of one day examining the property with Mr. Woodruff and tried to convince him that the so-called diamonds were quartz crystals and the supposed uranium minerals were only iron oxide stains on the rock surfaces. He also thought that the slight uranium content indicated by the chemical analysis of the samples sent to the Vanadium Corporation of America by Mr. Woodruff in 1956 was probably due to salting. In conclusions he stated that he did not write a report about his findings, denied having told Mr. Woodruff that his property had great possibilities and that he believed it to be without merit for valuable minerals.

At my request for information about any drilling that might have been done in the general vicinity, Mr. Woodruff said that in 1956 and 1957 Kerr-McGee, Inc., AMAX, and Eagle-Picher Co. had drilled extensively for oil and gas and other minerals on a wide-spaced grid over a broad area surrounding the farm. Since he had refused to grant a lease to any of the above companies, the nearest drill hole was located about three quarters of a mile southwest of the farm and no drill hole data were available to him.

Regarding the presence of platinum group metals on his property, Mr. Woodruff said that he had been so advised by one Mr. Hudson, a lawyer in Tulsa, Oklahoma, but that he did know it to be a fact.

Geology

Geologic setting

The Woodruff farm is situated among the gently rolling and wooded hills of the Ozark upland region in northeastern Oklahoma. It lies on the southwest flank of the Ozark uplift where the thin alluvial mantle is underlain by the nearly flat lying Boone limestone formation of Mississippian age. Major structural features appear to be absent in the general area and valuable mineral deposits are unknown.

The nearest mining district is the Picher field which is located about 50 miles to the northwest. In the district, members of the Boone formation have yielded over a billion dollars worth of zinc and lead since 1904. Since geological conditions on the farm and those in the district are generally similar, the following information has been excerpted from U. S. Geological Survey Professional Paper 558, Geology and Ore Deposits of the Picher Field, by Edwin T. McKnight and Richard P. Fischer, to provide a background for considering the possibility of finding zinc-lead ore deposits on the applicant's property.

"The rocks exposed at the surface in the mining field encompass a relatively thin interval of Mississippian and Pennsylvanian strata that are nearly flat lying. Older rocks are cut in mine workings or exposed south of the mining area,a nd still older strata have been intersected by deep drilling within the mining field"

"Precambrian granite and possible igneous flow rocks have been reached in 11 drill holes in and adjacent to the mining field at

depths ranging between 291 and 1,942 feet."

"The known ore deposits of the Picher field are chiefly tabular bodies containing sphalerite and galena associated with dolomite and jasperoid gangue minerals that replace favorable limestone beds in the Boone Formation. Marcasite and pyrite are common associates and locally a little quartz or barite. The sphalerite occurs in massive replacement ore and as disseminated grains, but is also abundant in vugs and other openings as crystals."

"The typical ore deposit in the Picher field is confined within a stratigraphic interval that is several feet or more in thickness in flat-lying strata or gently dipping strata of the Boone formation. This formation is nearly flat lying throughout the region, and it either crops out or is buried only a few hundred feet beneath a gently rolling land surface of low relief. In most of the ore-bearing strata the ore bodies have a curvilinear trend following the joint systems or other channels and are called runs. When the joint systems are particularly wide, the runs grade to blanket deposits having very irregular boundaries."

"Although no igneous rocks are known to which the ore deposits can be related, the ore is believed to have been deposited from hydrothermal solutions that were of magmatic origin, probably distant."

Since the dense vegetative cover on the project site prevented taking suitable photographs, reference is made to the applicant's sketch map (figure 1) which indicates the approximate location of the so-called vein outcrops along the edge of the bluff. Although the map

is not to scale it does present a satisfactory perspective for reference purposes.

The bluff face is a vertical exposure of thick-bedded, gray, fine grained to coarsely crystalline, fossiliferous limestone about 30 feet high and 200 feet long. It trends S. 35° W. and the limestone dips about 20° to the west. The so-called vein outcrops are actually exposures of isolated irregular shaped replacement masses of pyritic, gray to black, dense, vuggy, and fossiliferous jasperoid within the limestone. Some of the vugs are lined with quartz crystals as much as 1/4 inch long that are sometimes partly covered by a finely powdered black carbonaceous substance (bituminous?). Occasionally, some of the quartz crystals contain inclusions of a black substance identified by Edwin Roedder of the Geological Survey as "possibly organic material." One cavity was observed to contain several small clusters of very small tetrahedral crystals of sphalerite. The limestone was mapped and identified by Clayton E. Gore in 1951 as the undifferentiated Mayes formation which seems to correlate with the Hindsville limestone of the Boone formation as designated by Edwin T. McKnight in 1970.

Vein outcrop No. 1 consists of a rounded boulder of iron-stained jasperoid about 4 feet in diameter which the applicant had removed from beneath a ledge of limestone at the top of the bluff. The resulting cavity was filled with soil and fragments of limestone. The boulder lies about 20 feet directly above a small natural cave or solution cavity in the limestone that extends horizontally into the bluff face for nearly 40 feet where it connects with a partially filled vertical

shaft from the surface. No exposures of jasperoid were visible within the cave.

Vein outcrop No. 2 is a 3' x 1-1/2' exposure of jasperoid within the limestone at the base of the bluff about 150 feet southwest of vein outcrop No. 1. It is covered by a bright red iron oxide film resulting from oxidation of the pyrite by surface water.

A third exposure of jasperoid with an area of about one square foot is visible in the bluff face approximately midway between the other two.

Sampling

Radiometric scanning of the jasperoid exposures with a Geiger counter indicated an absence of radioactivity.

The results of semiquantitative spectrographic analysis of chip samples from the No. 1 and No. 2 vein outcrops are shown in Table 1. Also, because of their spectrographically high limits of detection, an atomic absorption test was made for zinc and a radiometric assay was made for uranium with the results shown at the end of the table.

Table 1. -- Spectrographic analysis of jasperoid, in percent 1/

Sample	Fe	Mg	Ca	Ti	Mn	B	Ba	Cr	Cu	Ni	Pb	Si	Al
Vein No. 1	1.00	0.015	0.15	0.001	0.003	0.003	0.007	0.0002	0.0007	0.0007	0.001	10.00+	0.20
Vein No. 2	2.00	.015	.03	.003	.003	.003	.007	.003	.007	.0015	.0015	10.00+	0.15

Atomic Absorption analysis of jasperoid in percent

Sample	Zn
Vein No. 1	0.0009
Vein No. 2	.0013

Radiometric assay of jasperoid in percent

Sample	eU
Vein No. 1	0.005
Vein No. 2	.005

1/ Looked for but not found or not found in measurable quantities: As, Au, Be, Bi, Cd, Co, La, Mo, Nb, Pd, Pt, Sb, Sc, Sn, Sr, Te, U, V, W, Y, Zn, Zr, Na, P, Ph, Ce, Ga, Ge, Hf, In, Li, Re, Ta, Th, Tl, Yb, Eu.

Exploration

Applicant's Proposal

The applicant's proposal for exploration is based upon the presumed existence of two fissure veins that could be evaluated by sampling them at depth with drill holes. On his sketch map (figure 1) he has outlined a target area surrounding the supposed vein outcrops on which he planned to rotary-drill an unspecified number of holes in an unknown direction to an unknown depth for an estimated total of $8,950.00.

Conclusions and Recommendations

The proposed drilling project is based upon the applicant's mistaken belief that two small isolated replacement masses of jasperoid in Mississippian limestone on his farm are outcroppings of fissure veins containing uranium, industrial diamonds and platinum group metals.

Megascopic examination of the supposed diamonds showed them to be small quartz crystals containing inclusions of "possibly some organic substance." Radiometric scanning of the jasperoid exposures indicated an absence of radioactive materials. Adequate spectrographic, chemical and radiometric analysis of samples from each of the two jasperoid masses showed them to contain no uranium or platinum group metals and only trace amounts of zinc, lead and copper as well as several other commercially valuable metals.

Logically, the presence of hydrothermally altered limestone containing anomalous quantities of zinc and lead suggest the possibility that deposits of sphalerite and galena similar to those in the Picher field may exist somewhere in the general vicinity. But the small size of the occurrence and the paucity of zinc and lead therein indicates that such deposits would most likely be found at a considerable distance from the property. Certainly, this weakly mineralized showing is insufficient to warrant any further prospecting or exploration on the applicant's farm.

It follows, then, that the geological probability of making a significant discovery of valuable minerals on the farm is not sufficient to consider approval of the application, however revised. Consequently, denial of the application is recommended.

References Cited

Gore, C. E., 1951, The geology of a part of the drainage basins on Spavinaw, Salina and Spring Creeks, northeastern Oklahoma: Tulsa Geological Society Digest, p. 168.

McKnight, E. T., and Fischer, R. P., 1970, Geology and ore deposits of the Picher field Oklahoma and Kansas: U. S. Geological Survey, Professional Paper 588, p. 1-5.

Figure 1

This farm is located 1 mile South and 2 miles west of Colcord, Oklahoma in Delaware County.

The [illegible] Six small specimens here. Identified as clear quartz xtals. GP

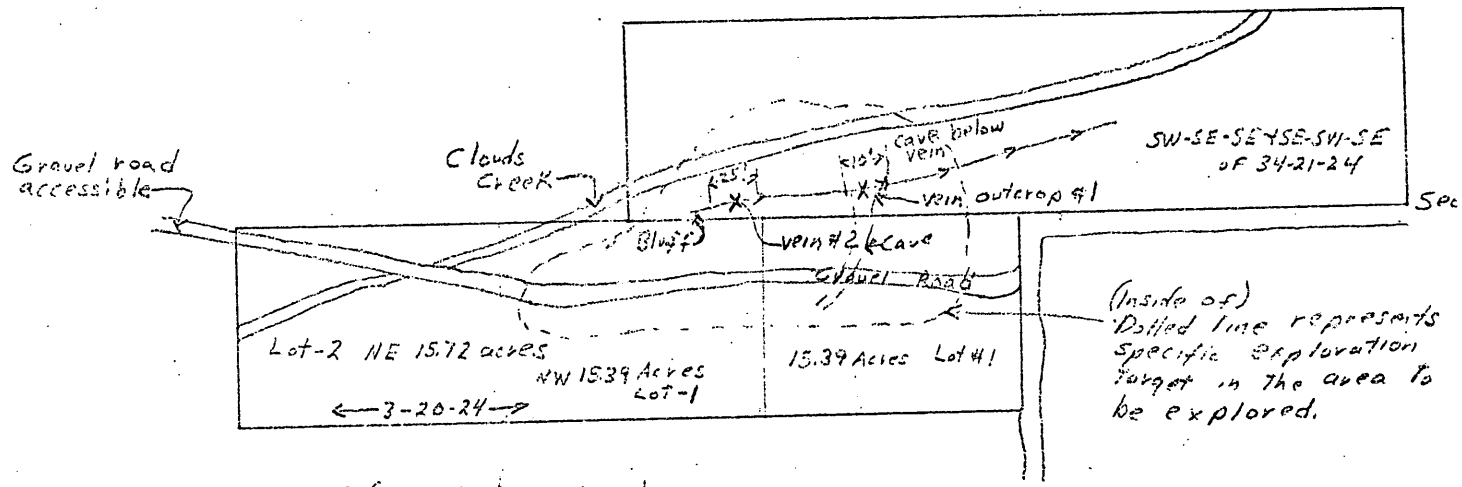
Please return all specimens & samples etc.

Woodruff farm OME #6801

N

W

E



(Inside of) Dotted line represents specific exploration target in the area to be explored.

Sample Taken from vein #2 (at surface of outcrop) chemical shows U_3O_8 = 0.05 %

Sample Taken from vein #1 (at the surface of the outcrop) chemical shows U_3O_8 = 0.05 %

Sample of Overburdan (a green clay soil) U_3O_8 = 0.02 %

I have additional chemical analysis made which showed about the same readings but more specific in detail, showing traces of Pitchblende with other secondary Uranium minerals. (These were stolen later with other Property)

Nearly all the primary uranium at the surface outcrop have been altered into a brightly-colored secondary uranium minerals

These specimens enclosed were found in Vein #1 at the outcrop. They are found in place in mother rock singly embedded in small fissure cavity-like areas, surrounded by coal-like material which is believed to be black-diamond Kimberlite. A very large percent at the outcrop at the surface appear to be of industrial quality. I have never found any of these specimens in vein #2 at the outcrop. The distance between Vein #1 and Vein #2 is about 150 feet.

* Note

Sketch is similar to one submitted by applicant but about ½ in size. Notes were copied verbatim. No scale was indicated. Ed Peterson

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/10/70	Peterson	120
		120
4/10	Cal	220
		120M

APR 10 1970

AIRMAIL

Mr. Harold M. Woodruff
Rural Route One
Colcord, Oklahoma 74338

Re: OME-6801 (Uranium, Industrial Diamond, and Platinum Group metals)
H. M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Dear Mr. Woodruff:

Thank you for your recent letter enclosing additional information in support of your application for financial assistance.

We are now referring the application for further consideration to Mr. J. William Hasler, Field Officer, Region II, Office of Minerals Exploration, Room 203 - Building 53, Denver Federal Center, Denver, Colorado 80225.

Owing to curtailment of the OME program, field examinations if necessary to reach decisions on applications are being made largely in connection with other field work of the program. In due course of time we will inform you whether or not your application can be approved for a contract when funds are available. Priority on available funds will be given to approved applications offering the best opportunities for making significant discoveries.

Mr. Hasler will notify you if additional information concerning the application is needed. Nothing in this letter should be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
OME Region III - Mr. Peterson
ECPeterson/bsl 4/10/70

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
4/10/70	Peterson	120
		120
		220
		120M

APR 1 0 1970

AIRMAIL

Memorandum

To: Field Officer, Region III

From: Chief, Office of Minerals Exploration

Subject: OME-6801 (Uranium, Industrial Diamond, and Platinum Group metals)
H. M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

The subject application is referred to you for further consideration, a field examination if necessary when you are in the vicinity of the property on other field work of the program, and recommendations.

We suggest that you inquire regarding the possibility that Survey or AEC personnel have worked in the area and have specific knowledge of this property. Perhaps there is enough information available to arrive at a decision regarding the proposal without making an on-site examination.

The application lacks the geologic evidence to indicate the probability of a significant ore discovery; however, it appears that the Applicant has submitted all of the information he has available regarding the property, and further correspondence would add little to what has already been submitted. It is doubtful that Government participation in the proposed work can be justified.

Harold Kirkemo (gfa)
Harold Kirkemo

Enclosures

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
Mr. Peterson
130

ECPeterson/bsl 4/10/70

LITTLE DRILLING COMPANY

627 SOUTH BRITT PHONE 524-4210

SILOAM SPRINGS, ARKANSAS 72761

Quotation

Mr. H.M. Woodruff

Re. Test Drilling In Colcord, Okla.

Set 6" casing through overburden.
Drill 6" hole catching samples every 5'------ 2.50 per ft.

Casing will be recovered on each hole after completion.
In the event that the casing cannot be pulled by the rig that is used to drill these test holes it shall be charged to the costumer at I.50 per ft.
We do expect a I00% recovery on the casing but in the Colcord district we do at times fail to recover the pipe.

J. Little

P.S. I am enclosing this letter from Little Drilling Company, who has done about 90% of the exploration work in this area. He has worked for such mining companies as, New Jersey Zinc, Am. Metals Climax, and Eagle Pitcher, etc. He is familiar with this structure and I feel the Rotary type drill is the best for exploration in this area, due to this hard chert area, that is sometimes encountered. This structure to be explored appears to be a group of old highly-folded limestones. The Little Drilling Company will sign a contract if the assistance is made available.

Sincerely,

Mr. & Mrs. H.M. Woodruff

Other Drilling Contractors ~~do~~ not wish to sign a contract until commitments are made for the exploration "for sure".

#6801 Woodruff Farm: Estimates (Exploration)

Supervision & Engineering -	$950.00
Secretarial & Book-Keeping	500.00
Labor & General Work	500.00
Supplies & material	1000.00
Equipment	2500.00
Bulldozer Work	500.00
Rotary ~~Core~~ Drilling	3000.00
TOTAL - - - -	$8,950.00

P.S. You asked for Dr. Brown Monetts' report. His services were financed by the governor at the time (Raymond Gary). Dr. Monett visited "The Woodruff Farm" and I showed him this structure. He informed me of its great possibilities, however this survey was made in connection with the Aerial Survey made by the Fairchilds. I asked for a written report at that time and was refused. I contacted Gov. Gary & he referred me to the Dept of Commerce in Okla City, Okla. and they told me that this report was not made available to the public.

A. M. Woodruff

VANADIUM CORPORATION OF AMERICA

DURANGO, COLORADO

June 9, 1956

Please Return to

Mr. H. M. Woodruff
Route #1
Colcord, Oklahoma

This specimen was a Black crystal taken from vein #1 at the Surface

Dear Mr. Woodruff:

Enclosed please find specimen you left me.

The following are the results of the samples you left us.

correct

NO.	DESCRIPTION	CHEMICAL U_3O_8
3788	#-1= Main Vein	0.05
3789	No. 2 Vein	0.05%
3790	No. 3 Overburden	0.02%

all these Samples were taken at the Surface of out crop.

None of this U_3O_8 is of commercial grade.

Very truly yours,

VANADIUM CORPORATION OF AMERICA

Page Edwards
Director of Plateau Operations

PE:bjs

REGISTERED MAIL
RETURN RECEIPT REQUESTED

P.S.
information concerning this letter on the map
H.M. Woodruff

United States Department of the Interior

GEOLOGICAL SURVEY
WASHINGTON, D.C. 20242

April 10, 1970

Memorandum

To: Harold Kirkemo, Chief, Office of Minerals Exploration

From: Edwin Roedder, Exp. Geoch. and Mineralogy Branch ER

Subject: Sample from property in Oklahoma

Using non-destructive optical tests, I have examined the six small crystals submitted and find them to be quartz, containing black inclusions, possibly of organic material. The samples are attached.

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
3/24/70	Petalow	120
		120
4/24	Cae	220
		120M

MAR 24 1970

AIRMAIL

Mr. Harold M. Woodruff
Rural Route One
Colcord, Oklahoma 74338

Re: OME-6801 (Uranium, Industrial Diamond, and Platinum Group metals)
H. M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Dear Mr. Woodruff:

This will acknowledge your letter of March 19 requesting that we keep your application for exploration assistance in an active status. However, before we can proceed further it will be necessary for you to provide the following additional information to complete the application.

Furnish geologic evidence to identify specific exploration targets in the areas you wish to explore. This material may include sample and assay data obtained from past exploration, a map or sketch showing the boundaries of your property, location of samples taken and of the proposed work. A geologic report of the area by Dr. Monnet who is mentioned in the application would be helpful to us in evaluating your proposal.

Supply a detailed estimate of the necessary costs for the proposed work. These costs should be distributed as follows: (1) supervision and engineering, (2) labor, (3) supplies and materials, and (4) equipment. For work to be contracted (bulldozing, drilling, etc.), estimates must be supported by bids from three contractors for each item of work if possible.

We shall be pleased to continue the processing of your application upon receipt of the requested information. As our funding situation has not changed further action will follow the outline mentioned in our letter to you of December 19, 1969. Nothing in this letter should be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

Harold Kirkemo (gla)

Harold Kirkemo
Chief, Office of
Minerals Exploration

of imcmg. ltr. 3/19/70
3/24/70

Colcord, Oklahoma.
March 19,1970.

Mr. Harold Kirkemo,
Chief, Office of
Minerals Exploration,
Geological Survey,
Washington D.C.,

Dear Mr. Kirkemo,

I received your letter of March, 17th 1970, refering to OME#6801. I am sorry that I failed to keep you informed of my intentions regarding my pending application. I was of the opinion that you were short of funds so I did not want to annoy you with additional mail.

Yes we certainly do want to pursue this application, regardless of how long it takes.

I talked, by phone, today to your personal assistant, Mr. Everett, and he advised me to write this letter for the records.

Sincerely Yours,

Harold M. Woodruff

Harold M. Woodruff,
Route One,
Colcord, Oklahoma.
74338 zip code.

RECEIVED
MAR 23 1970
INITIALS | CODE
gla 120
HR 120
op 120 P

Form 7
53)

OFFICIAL FILE COPY

Date	Surname	Code
3/16/70	Peterson	120
		120
		220
		120M

AIRMAIL

Mr. Harold M. Woodruff
Rural Route One
Colcord, Oklahoma 74338

Re: OME-6801 (Uranium, Industrial Diamond, and Platinum Group metals)
H. M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Dear Mr. Woodruff:

On December 19, 1969, we wrote you outlining the current situation regarding the processing of pending applications for OME financial assistance. Will you please inform us of your plans regarding your application. If you have decided not to pursue it further, will you please so inform us.

If we do not receive a reply from you within 30 days from the date of this letter, we will assume that you are no longer interested in your application and we shall consider it as having been withdrawn.

Sincerely yours,

Harold Kirkemo (gla)

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
OME Region III
Mr. Peterson

CPeterson/bsl 3/16/70

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/18/69	Peterson	120
		120
12/19	Cac	220
		120M

AIRMAIL

Mr. Harold M. Woodruff
Rural Route One
Colcord, Oklahoma 74338

Re: OME-6801 (Uranium, Industrial Diamond, and Platinum Group metals)
H. M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Dear Mr. Woodruff:

This is in further response to your application for financial assistance to explore the Woodruff Farm property.

Applications received since July 1, 1969, have not been processed because of budgetary constraints on the OME program. With funds now available we will be able to execute only a few new contracts in the fiscal year ending June 30, 1970. These contracts are being prepared on applications received and approved in previous fiscal years but which could not be executed earlier because of lack of funds. The extent of future contracting will depend on availability of funds.

Owing to curtailment of the program, the processing of applications is being delayed. Therefore, field examinations necessary to reach decisions on applications are being made largely in connection with other field work of the program. In due course of time we will inform you whether or not your application can be approved for a contract when funds are available. Priority on available funds will be given to approved applications offering the best opportunities for making significant discoveries.

Under these circumstances, should you wish to withdraw your application, please so advise. If you wish to keep your application in active status, we will process it as explained above.

We regret that this action is necessary, but under present funding circumstances we cannot offer better service at this time.

Sincerely yours,

Harold Kirkemo (glc)

Harold Kirkemo
Chief, Office of
Minerals Exploration

Director's Reading File
Mineral Resources File
OME Docket
ME Reading File
E Region III
Peterson

n/bsl 12/19/69

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
8/5/69	Peterson	120
		120
		220
		120M

AUG 5 1969

AIRMAIL

Mr. Harold M. Woodruff
Rural Route One
Colcord, Oklahoma 74338

Re: OME-6801 (Uranium, Industrial Diamond, and Platinum Group metals)
H. M. and Flossie A. Woodruff
Woodruff Farm
Delaware County, Oklahoma

Dear Mr. Woodruff:

Reference is made to your application for exploration assistance dated July 23, 1969.

We have postponed processing applications received recently pending definite information regarding availability of funds for the fiscal year beginning July 1, 1969. Although appropriations have not yet been made for the current year, we understand that funds will be much less than were available for the year that ended June 30, and we are authorized to operate only at the level of the anticipated reduced funds. Under this situation, action on pending applications must be postponed, as proposed contracts already drafted and awaiting execution will require more funds than are available. When we can again process new applications, first priority will be given to those offering the best opportunities for making significant discoveries.

We regret that we cannot make a decision on your application at present and we are unable to estimate when we may be of possible assistance to you. When circumstances permit, we will process your application within the limitations stated above.

Sincerely yours,

Harold Kirkemo (gfa)

Harold Kirkemo, Chief
Office of Minerals Exploration

cc: Director's Reading File
Mineral Resources File
OME Docket
OME Reading File
Region III
Mr. Peterson

CPeterson/bsl 8/5/69

July 28, 1969

Mr. Harold M. Woodruff
Rural Route One
Colcord, Oklahoma 74338

Subject: OME-6801

Dear Mr. Woodruff:

Your application for exploration assistance, dated July 23, 1969, submitted to our office at Washington, D. C., has been assigned Docket No. OME-6801.

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

Sincerely yours,

Harold Kirkemo
Chief, Office of
Minerals Exploration

Copy to R-III with cy. of application

OFFICIAL
COPY
O. M. E.
RECEIVED
JUL 14 1969
INITIALS CODE

July 10, 1969
Rural Route One
Colcord, Oklahoma
74338

Office of Mineral Exploration
Washington, D. C.

Dear Sirs:

Would you please send me all the application forms for government mineral exploration assistance and all information nessary to obtain this assistance.

In corresponding with President Nixon, I have been informed of this support and assistance. We have great mineral possibilities in this structure, we think, and hope to confirm, also to develop if commercial quantities do exist.

Thank you very much.

Sincerely yours,

H. M. Woodruff

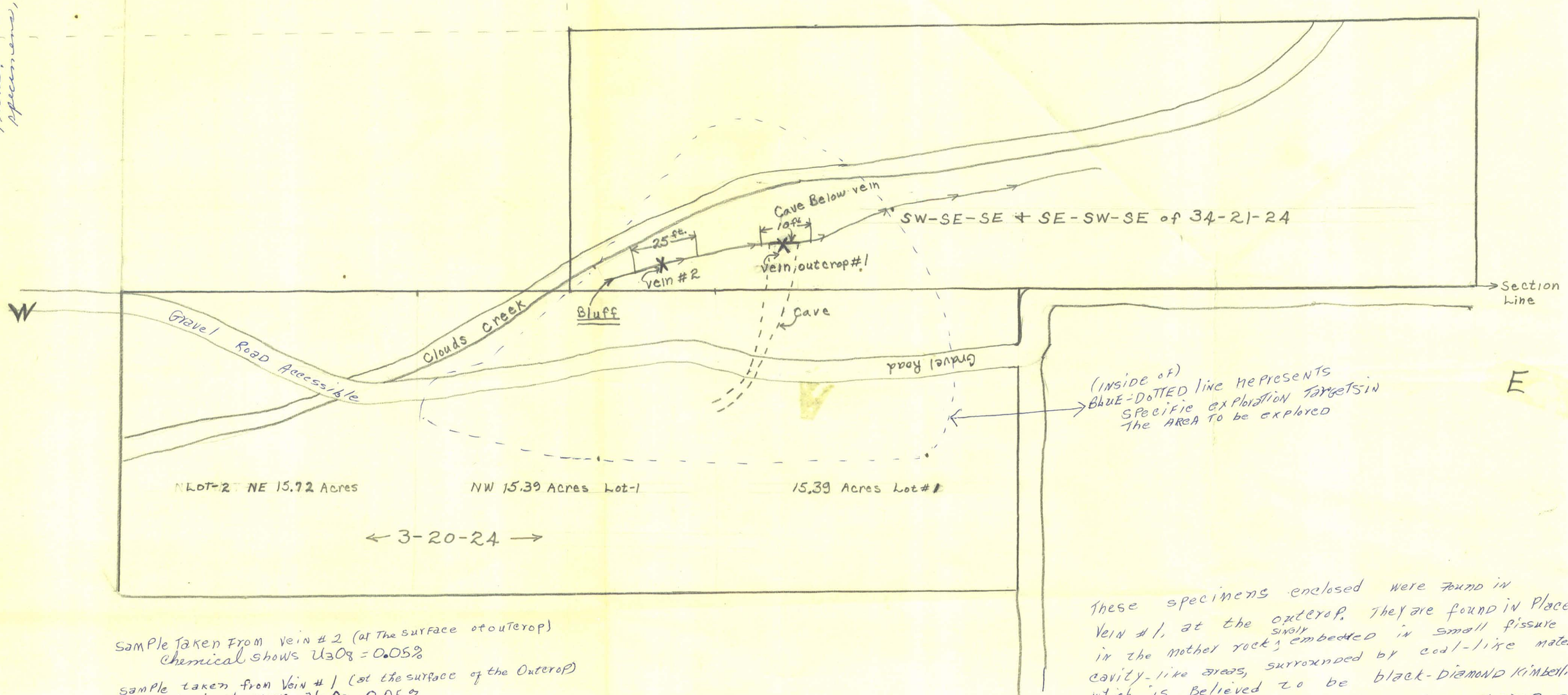
H. M. Woodruff

This Farm is located, 1 mile south
and 2 miles West of Colcord, Oklahoma
in Delaware County,

If this assistance is refused, please return all maps & specimens, letters etc.

Woodruff Farm O.M.E. #6801

N



Sample taken from Vein #2 (at the surface of outcrop)
chemical shows $U_3O_8 = 0.05\%$

sample taken from Vein #1 (at the surface of the Outcrop)
chemical shows $U_3O_8 = 0.05\%$

Sample of Overburden (a Green Clay Soil) $U_3O_8 = 0.02\%$

I have additional chemical analisis made which showed About the same readings but more specific in Detail showing traces of Pitch blende with other secondary-uranium minerals. (these were stolen later, with other Property)

Nearly all the Primary uranium at the surface outcrop have been altered into a brightly-colored secondary uranium; minerals

These specimens enclosed were found in Vein #1, at the outcrop. They are found in Place in the mother rock, singly embedded in small fissure cavity-like areas, surrounded by coal-like material which is Believed to be black-Diamond Kimberlite. A very large Percent at the outcrop at the surface appear to be of industrial quality. I have never found any of these specimens in Vein #2 at the outcrop.

The Distance between Vein #1 and Vein #2 is about 150 feet. (one-hundred and fifty-feet)

Vein #1 is Approximately 8' thick and 10' wide.
Vein #2 is Approximately 8' thick and 25' wide. at the outcrop.