DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 5022

Application
- [x] 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- [ ] Withdrawn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
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [x] Project summary (final)
- [ ] Work Completed analysis (final)

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

- [ ] Field Team Semi-Annual 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)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual 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

17863

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Box 431
Joplin, Missouri
May 14, 1958

DMEA
RECEIVED MAY 19 1958

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: Application for uranium exploration by
Intracontinental Mining Corp.
339 West Bldg, Houston, Tex.
Doris Rosary Mine, Brewster County, Tex.

Dear Sirs:

Forwarded herewith are the original and one copy of an application presented again with supplemental information somewhat as suggested in my letter of April 18, 1958(copies furnished you) to the original Applicant, Oil Tool Research and Development.

Under the circumstances to conserve time, I am taking the liberty of forwarding one complete copy of this application to my teammate in Denver, Robert U. King; the fourth copy is retained by the Joplin Field Team office.

Undoubtedly, you perceived that I was not impressed by the quality of this application. The supplements and revisions herewith as received this morning from the Applicant, likewise are not impressive. Admittedly, however, I have no knowledge of the Doris Rosary uranium prospect.

Subject to extension of the existing DMEA authority beyond June 30, or enactment of a new Government exploration aid program, I would be inclined to recommend that such an application at this late date be denied by you without referral to the Field Team and without prejudice to the property.

Should King have favorable information on this prospect, or find that the A.E.C. will recommend it, then I am certain he will make the proper geologic recommendation directly to you on behalf of both of us as soon as he returns from the Region IV Field Team inspection he is now on in north Texas.

Sincerely yours,

Clinton C. Knox

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

cc: DMEA Op. Com.
King, USGS, Denver w/cy encls.
DMEA Application Pending file

encl. 4

(COPY)id

DMEA

INTRACONTINENTAL
Mining Corporation
339 West Bldg.
Houston, Texas

May 12, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED 19
DATE

Defense Minerals Exploration Administration
U. S. Department of Interior
P. O. Box 431
Joplin, Missouri

Gentlemen:

A previous application was made from this office under a different company name. Recently a new corporation was organized and our corrected application is being mailed to you herewith for your approval.

Our new corporation was organized under the name of Intracontinental Mining Corporation of Texas. Offices at 339 West Building Houston, Texas. Please forward all mail pertaining to this application to this office.

We thank you sincerely for your past co-operation.

Respectfully yours,

/s/ W. W. Spacek
/t/ W. W. Spacek, President
Intracontinental Mining
Corporation

Form MF RECEIVED
Revised Oct. 1952 DIVISION OF MINERAL TECHNOLOGY

Caiga - DMEA

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

MAY 14 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

BUREAU OF MINES JOPLIN, MO.

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

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

Intracontinental Mining Corporation
339 West Bldg. Houston, Texas.

RECEIVED MA. 19

APPLICANT NOT TO USE THIS BLOCK	
Docket Number	DMEA - 5022
Date Received	5-19-58
Government Participation %	
Region	IV
Division Code	700

BUSINESS ORGANIZATION (Check one)

- Individual ☐
- Corporation ☒
- Partnership ☐
- Other (Specify) ☐

State in which firm is organized TEXAS

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name Address Title

Joe M. Adcock, 3840 Belfontaine St. Houston ChmBoard Directors.
W.W. Spacek, Spacek Road, Box 62, Richmond, Tex Pres.
~~XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX~~
Gale Worman, 45 Trenwood St. Houston, Exec. VPres & Secy.
Charles Vinson, West Bldg, Houston, Tex V.P & Treas.

Mineral(s) for which you wish to explore
URANIUM

Estimated Cost of Project
$ 170,016.00

LOCATION OF PROPERTY

Name	County	State
DORIS ROSARY MINE,	BREWSTER	TEXAS

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order—I, Revised, "Government Aid in Defense Exploration Projects." 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 four 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 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. 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 2(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 Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA 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.

Houston Tex 5/12/58.
Dated

W. W. Spacek
BY *(Signature)*

PRESIDENT.
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. *Applicant's Property Rights:*

(a) 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 land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *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 lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as 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 on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(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) State your reasons for expecting to find ore, and 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.

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

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work*. Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the 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 *property boundaries* or to the closest identifiable corner.

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

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, 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. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. 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 operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *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 on the exploration project.

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

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(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 – 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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Revised.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 25960

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

MAY 14 1958

BUREAU OF MINES
JOPLIN, MO.

Intercontinental Mining Corporation
339 West Bldg.
Houston, Texas

SPECIAL FILE COPY
DMEA
RECEIVED 19

INFORMATION REQUIRED WITH THIS APPLICATION

1. APPLICANT'S PROPERTY RIGHTS:
   (a) Sec. 32 Blk. G-5, Brewster County, Texas. Claims V8-1 through V8-6. State mineral award Numbers M81142, 43, 44, 45, 46 and 47. The claims are unpatented, and their location recordings may be examined at Alpine, Texas, Surveyor's Record RMC8, pages 275, 276, 277, 278, 279.
   (b) The property is known as the Doris Rosary Mine. (Name given to the discovery).
   (c) Lessee (See copy of lease attached).
   (d) None

2. PHYSICAL DESCRIPTION:
   (a) Owners of the above lease, repaired approximately 12 miles of old road, and built 4 miles of new road. (Mountain type road). Three holes were drilled by a cable tool drill. No. 1 hole to 608 feet, No. 2 hole to 200 feet and No. 3 hole to 193 feet. Also one large trench 4 feet wide and 20 feet long, was cut on the surface across the vein. See plan map drawn to scale marked 2A, which shows existing roads and core holes, which is the extent of exploration and operations to date.
   (b) All the above work done by us as lease holders.
   (c) None.
   (d) No known ore reserves. (Low grade Uranium and Vanadium ore overlay at surface, 20 feet thick, this information from core holes.
   (e) This is a replacement vein type deposit. (See cross-section sketch marked 2E, also Dr. Matthew's report, consulting Geologist).
   (f) From the geological information and reports, the secondary uranium minerals found, are definitely from a primary source, and had their origin in the granites below. (See assay reports attached). Also report by W.W. Spacek.
   (g) Enclosed Dr. Matthew's Report, consulting Geologist. (Please return).

3. ACCESSIBILITY OF PROJECT:
   (a) Mr. W. W. Spacek, Room 339, West Building, Phone CA 2-6029, Houston, Texas, will aid DMEA Representative, and can meet him in Houston, or at the Holland Hotel, Alpine, Texas. The property lies approximately 80 miles south of Alpine, Texas, and is accessible by auto, with the aid of a guide only.
   (b) The shipping point is Plata, Texas, 42 miles from claims. The supply point is Marfa, Texas, 76 miles from the claims. All employees will reside at mine site.

4. THE EXPLORATION PROJECT:
   (a) A proposed shaft to be sunk on the vein, to a depth of 500 feet. Size of shaft, 5 feet wide and 6 feet long. At the bottom of shaft, or until rich ore is encountered, a drift 5 feet wide, and 6 feet high to be driven 150 feet to the left, and 350 feet to the right. (See proposed exploration sketch marked 4A, and sketch marked 2E and 2A.)
   (b) The present road to be extended approximately 500 feet to the top of the mountain, where shaft is to be sunk. Road will be mountain type, cut with a bulldozer. (See scale map marked 2A).
   (c) We can start work within 30 days from date of Contract with DMEA, when executed. Approximately 15 to 18 months will be required to complete Contract of 500 feet of shaft, and 500 feet of drifting. Average monthly progress computed on a 20 day working month, about 60 feet a month.

5. EXPERIENCE:
   (a) Mr. W. W. Spacek will act as Mining Superintendent. Mr. Spacek is 49 years of age, and attended the Colorado School of Mines. He has been active in the mining industry for many years, having owned and operated with part interest, the Eagle Spring Flourspar Mine, Hudspeth County, Texas. Owned and operated the KK Zinc Mine, Crittenden, Kentucky. Operated the Canyon Flourspar Mine, Glenwood, New Mexico. Operated the Pinos Altos Gold Mine, Pinos Altos, New Mexico. Operated Gold Mine, State of Chiahuahua, Mexico, also he has done several explorations projects.

Intercontinental Mining Corporation
339 West Bldg
Houston, Texas

INFORMATION REQUIRED WITH THIS APPLICATION (Continued)

6. ESTIMATE OF COST: (Based on 18 months operation)

(a) Four days work with bulldozer, to entend road to shaft site, and leveling off top of mountain preparatory to start shaft sinking.
32 hrs. @ $16.00 per hr. - Total cost road extention — $ 512.00

(b)

1 - Mining Superintendent - per month	$ 800.00	
8 - Miners @ $2.50 per hr.	3,200.00	
1 - Camp Cook @ $2.00 hr.	360.00	
1 - Office Man - per month	400.00	
Monthly Payroll	$ 4,760.00	
Project Total Payroll for 18 Months		85,680.00
(All Technicians and employees are available)		

(c)

Groceries for Camp			
11 men @ $4.00 each per day	Mo.	$ 880.00	
Dynamite & acces. $25.00 per day	"	500.00	
Drill Bits @ $5.00 per day	"	100.00	
Gasoline 2,000 Gal. per Month @ 35¢ per gal. del.	"	700.00	
Motor Oil	"	80.00	
Water for kitchen and Mine	"	100.00	
Monthly Total		$ 2,360.00	
Total for 18 months			$ 42,480.00
2 - water tank reservoirs		$ 300.00	
Kitchen Equipment - Stove, deepfreeze, utensils, etc.		700.00	
1,000 feet Air pipe @ $.75 per foot		750.00	
1,000 feet Vent pipe @ $.25 per foot		250.00	
Drill steel for entire job		40.00	
1 - dozen Miner's picks		48.00	
1 - dozen Miner's shovels		54.00	
Water Hose		50.00	$ 1,892.00

(d)

	Value	Month	
1 - Air Compressor	$ 2,500.00	Rental	$ 250.00
1 - Welding Machine and equip.	1,200.00	"	100.00
1 - 4-Wheel drive pickup	1,700.00	"	125.00
1 - 1955 Plymouth Auto	1,250.00	"	100.00
1 - Water tank truck	1,750.00	"	175.00
1 - Electric Power Plant	1,500.00	"	125.00
Hoisting Equipment and Mining accessories	2,500.00	"	300.00
Total Value	$ 12,400.00	"	$ 1,175.00
Total Rental for 18 Months			$ 21,150.00

(e) NONE

(f)

1 - 30' x 50' building to be constructed for Office Kitchen and Storeroom. 1,500 sq. ft. at $4.00 sq.ft.	$ 6,000.00
Hoisting Tiple	1,000.00
Engine Room Shed	300.00
20,000 sq. ft. of rough lumber to be used for bracing and cribbing @ $60.00 per M. Ft.	1,200.00
Total	$ 8,500.00

(g) Miscellaneous: Maintenance of road that is subject to washout from flash floods when it rains--possibly 4 washouts during project period. Estimated cost of repairing road $300.00 each time -- Projected estimate — $ 1,200.00

Workmen's Compensation - rates quoted by Floyd West & Co., Dallas, Texas.

	Per Month	
Gen. Supt. & 4 underground miners-rate of $12.88 per $100.00 -	$ 309.12	
Balance of payroll at rate of $4.25 per $100.00	57.66	
Total per month - Workmen's Compensation & Liab.	$ 366.78	
Total 18 months - Workmen's Compensation & Liab.		$ 6,602.00
Estimated cost of repair and maintenance of operating equipment during project operation: Tires, replacement and recapping on 5 pieces of equipment - Estimated cost		$ 750.00
Project estimate to maintain and repair and replace mechanical equipment		$ 1,250.00

7. (a) We are prepared to furnish our share of cost of proposed project.
(b) We propose to furnish our share of the costs by providing money.

TOTAL ESTIMATED COST OF PROJECT — $170,016.00

COUNTY OF BREWSTER

Intracontinental Mining Corporation
339 West Bldg
Houston, Texas

WHEREAS, John E. Oates, applied for and was awarded six mineral claims, marked V8-1, through V8-6, claims was awarded by the State of Texas General land office under file No. M-81142-43-44-45-46 & 47. Wherein the State of Texas retained six and one-fourth(6¼) royalty, located in Brewster County, Texas in east 1/2 of section 32 block G-5.

WHEREAS, by instrument dated the 6th, day of August, 1957, John E. Oates, conveyed to Joe Adcock and Wm.W. Spacek a mining lease on and to the above described six mineral claims, wherein, John E. Oates retained (10) ten percent over-riding royalty.

WHEREAS, by instruments dated the 18th day of September 1957, Joe Adcock and Wm. W. Spacek, conveyed to Gale A.Worman, Chas E.Vinson, Joe M. Adcock and W.W. Spacek, Four separate(25%) Twenty-five per cent interests, in and to the above described lease, by four separate instruments. Property now known as Doris Rosary Mine.

NOW THEREFORE, we the undersigned Gale A.Worman, Chas.E. Vinson, Joe M. Adcock and W.W. Spacek, for and in consideration of one dollar and other valuable considerations, we do hereby sell, transfer, assign and convey unto the Intracontinental Mining Corporation, the above (25%) Twenty-five percent interests, being four separate(25%) Twenty-five interests. Whereas, it is understood that this lease hereby assigned, consist of (70) Seventy percent lease, wherein (30) Thirty percent royalty has been retained by previous instruments.

It is herein agreed and understood that the lessee will maintain all books and records pertaining to the above mentioned property and the Doris Rosary Mine and pay all royalty of record.

TO HAVE AND TO HOLD, unto the said Intracontinental Mining Corporation, their heirs, successors and assigns.

IN WITNESS WHEREOF, the undersigned owners and assignors have signed and sealed this instrument this 1st day of May 1958.

Gale A. Worman
Gale A.Worman

Charles E. Vinson
Chas.E.Vinson

Wm. W. Spacek
Wm.W. Spacek

J. Adcock
Joe Adcock

THE STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared Joe Adcock and Wm.W. Spacek, known to me to be the persons whose names are subscribed to the foregoing instrument, and acknowledged to me that they executed the same for the purposes and consideration therein expressed. This includes Gale A.Worman and Chas.E.Vinson.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 1st day of May A.D.1958.

A.M. Rivas (A.M. Rivas)
Notary Public in and for
Harris County, Texas.

RECEIVED
DIVISION OF MINERAL TECHNOLOGY
MAY 14 1958
BUREAU OF MINES
JOPLIN, MO.

JOE M. ADC
CHAIRMAN OF THE BOARD
CHARLES VINSON
VICE-PRESIDENT & TREAS.
TRAVIS DOSS
DIRECTOR

RECEIVED
DIVISION OF MINERAL TECHNOLOGY
MAY 14 1958
BUREAU OF MINES
JOPLIN, MO.

INTRACONTINENTAL

MINING CORPORATION

339 WEST BLDG. CA 2-6029
HOUSTON, TEXAS

W.W. SPACEK
PRESIDENT
GALE WORMAN
EXEC. VICE-PRES. & SEC'Y
EARL MICKEY
DIRECTOR

OFFICIAL FILE COPY
DMEA
RECEIVED 19 58
DATE

May 12, 1958

Report to DMEA with Application for aid in an Exploration Project

1. The Doris Rosary Mine Prospect is located in Section 32, Block G5, Brewster County, Texas. Property of six(6) full size claims. Map in report herein enclosed by Dr. Mathews, Consulting Geologist.

2. Exploration work completed to date:
Approximately 12 miles of old road was repaired. Four(4) miles of new road was built. This work was in rough mountain area. Three(3) core holes were drilled by cabletool drill, No. 1 to 608 feet, No. 2 to 200 feet, No. 3 to 193 feet. One large trench was cut on the surface on the vein, major part of above drilling was very hard, some required several hours per foot. No water was found in core holes. Water for further exploration will be hauled from a point two(2) miles from project site.

3. Geology:
The structure is rim rock area of a sunken Caldera, a fracture in the rim rock extending along the rim approximately one and one half($1\frac{1}{2}$) miles. Formation on surface is Devonian. The mineralization evidently came from the Precambrian through the fracture creating a replacement deposit. The three(3) core holes proved only a large overlay mineral saturation of very low grade type Vanadium-Uranium. This mineralization evidently was deposited by solutions from the fracture vein which outcrops at a higher altitude and gravitated into the present deposit which is near the surface.

A trench was cut about forty feet (40') west of the last drill hole, No.3, and the fracture vein was found therein. It is evident that the vein is in a vertical position, or may dip somewhat to the west due to the fact that it was not penetrated by drilling the three(3) core holes.

4. Proposed Exploration project:
The type Uranium Found is Tyuyamunite and Torbonite which offers the possibility of primary Uranium ore in the vein at a lower level. This is the possibility on which this project is based. A proposed shaft to be sunk on the vein to a depth of 500 feet. Size of shaft, 5 feet wide and 6 feet long. At the bottom of shaft, or until rich ore is encountered, a drift five feet wide and 6 feet high to be driven 150 feet to the left, and 350 feet to the right.

W. W. Spacek

W. W. Spacek, President
Intracontinental Mining Corporation

Intercontinental Mining Corporation
339 West Bldg
Houston, Texas

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

MAY 14 1958

BUREAU OF MINES
JOPLIN, MO.

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

APR 17 1958

BUREAU OF MINES
JOPLIN, MO.

OFFICIAL FILE COPY
M E A
RECEIVED MAY 19 1958
INT

A. H. HOLLAND, PRES.
EDMUND E. PHILLIPS, VICE-PRES.—GEN. MGR.

OUR MOTTO:—WHAT THERE IS IN IT, NO MORE, NO LESS.

M. E. HOLLAND, TREASURER
M. E. PHILLIPS, SECRETARY

THE COLORADO ASSAYING COMPANY

(INCORPORATED)

ASSAYERS AND CHEMISTS

2018 WELTON STREET

DENVER 1, COLORADO April 1, 1958.

REPORT ON DETERMINATIONS MADE FOR — Mr. G. A. Horman,
Houston, Texas.

SAMPLE MARKS	METALS	Amount per Ton Ozs.	Amount per Ton Hdc.	PER CENT		Value per Ton Dollars	Value per Ton Cents
D-2 #1	Uranium Oxide			0.025%			
Sec 42	Uranium Oxide			0.021%			

Vein Surface Sample

GOLD AT _____ PER OUNCE
LEAD AT _____ PER UNIT

SILVER AT _____ PER OUNCE
COPPER AT _____ PER UNIT

THE COLORADO ASSAYING COMPANY

By Ed Phillips

RECEIVED
DIVISION OF MINERAL
TECHNOLOGY

APR 17 1958

BUREAU OF MINES
JOPLIN, MO.

Reed Engineering

620 South Inglewood Avenue
Inglewood 1, California

312
31
259

Feb. 13, 1958

Mr. Wm. Spacek

Devonian Conglomerate
Drill cutting Hole #1
312' TO 608'

SPECTROGRAPHIC ANALYSIS
Approximate Percentages

	Pounds per Ton	Value per Ton
Vanadium	9	75¢
Chromium	trace	--
Iron	12	24¢
Sodium	15	9¢
Magnesium	17	27¢
Lithium	trace	--
Barium	12	15¢
Calcium	40	24¢
Strontium	trace--	--
Potassium	trace	--
Aluminum	9	10¢
Silicon, Water, Oxygen	1886	$1.90
		2.49 Vr

Specific Gravity	2.48
Magnetism	small
Radioactivity	none
Fluorescence	dull

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MAY 14 1958

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JOPLIN, MO.

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BUREAU OF MINES
JOPLIN, MO.

Reed Engineering

620 South Inglewood Avenue
Inglewood 1, California

Intercontinental
Mining Corporation
339 West Bldg
Houston, Texas

Mar. 22, 1958

Mr. G.A. Worman

SPECTROGRAPHIC ANALYSIS
Approximate Percentages

Sample #
Sec. 42-white

Vein Surface Sample

	Pounds per Ton	Value per Ton	Percentage
Uranium Oxide	.44	$3.50	.022
3 Vanadium	14	$4.00	.7
Iron	16	33¢	.8
Sodium	20	12¢	1
Magnesium	trace	--	--
Lithium	trace	--	--
Barium	3	4¢	.15
Calcium	90	52¢	4.5
Strontium	trace	--	--
Potassium	trace	--	--
Aluminum	40	41¢	2
Silicon, Water, Oxygen	1816	--	90.8

Specific Gravity 2.50
Magnetism none

Sample #
Sec. 42 -Black

Lead	1	12¢	.05
Manganese	14	80¢	.7
Iron	19	38¢	.95
Sodium	8	5¢	.4
Magnesium	5	8¢	.25
Lithium	trace	--	--
Barium	2	3¢	.15
Calcium	12	7¢	.6
Strontium	trace	--	--
Potassium	trace	--	--
Aluminum	4	5¢	.2
Silicon, Water, Oxygen	1935	--	96.25

Specific Gravity 2.72
Magnetism none
Radioactivity none

Value per ton is for raw ore, not refined metal.

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BUREAU OF MINES
JOPLIN, MO.

Report By:
A.A.L. "Bill" Matthews
Consulting Geologist
Intracontinental Mining Corp.
339 West Bldg
Houston 4, Texas

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DATE	INITIAL	

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BUREAU OF MINES
JOPLIN, MO.

REPORT

ON

DORIS ROSARY MINE CLAIMS

FOR THE

OIL TOOL RESEARCH & DEVELOPMENT CO.

of

Houston, Texas

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BUREAU OF MINES
JOPLIN, MO.

by

A. A. L. (Bill) Mathews,
Consulting Geologist

1957

Intercontinental Mining Corporation
339 West Bldg
Houston, Texas

REPORT
ON
THE GEOLOGY OF CERTAIN MINERAL CLAIMS

This geological investigation and report was made at the request and direction of Messrs. Joe Adcock, President, Gale A. Worman, Treasurer, Charles Vincent and W. W. Spacek, Engineers of the Oil Tool Research & Development Co., Houston, Texas.

Location of the Claims: The property known as the Doris Rosary Mine Claims 1, 2, 3, 4, 5, and 6, located in Section 32, Block G-5, D. & W. R.R. Co. Survey, Brewster County, Texas and within the area known as the Solitario. (Pl.A)

Purpose of the Survey: The purpose of the survey was (a) to determine the occurrence of radioactive minerals; (b) the possible origin of such minerals; (c) the field determination of the minerals; (d) the extent of mineralization in the rocks as shown on the surface; (e) the physical conditions of the mineral-bearing rocks, and (f) the possibility of recovery of the minerals from the deposit with suggestions regarding procedure to obtain the necessary information to evaluate recovery and marketing.

Time Spent in the Field: The time spent in the field was limited, but sufficient to make this preliminary report. It was made during the week beginning November 3, 1957.

The Report: This is a favorable report. Mineralization: Minerals present on the claims, and volume of the deposit warrant further investigation for the purpose of opening up a mine.

Map: (Pl.A) Base map showing position of mineralized body on the claims.

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Houston, Texas

Physiography and Topography: The location of the claims is in the southern or southeastern part of the topographic feature mapped as the Solitario. It is south of Alpine, Texas about 120 miles and slightly east of south of Marfa, Texas. It is a rough and somewhat precipitous area composed of sharp hills or mountains with deep V-shaped valleys consisting of dry washes. The area is undoubtedly subjected to flash floods in the rainy season. The climate is dry and arid, so the flash floods may occur irregularly and several years apart. The differential in elevation from the bottom of the Solitario to its rim is estimated from 500 feet to 1000 feet, and that within the area from a few feet to possibly 700 or 800 feet.

Geologic Description of the Area: The geology represents a complex history of events that is deemed un-necessary for this report. Thus, some of the older sedimentary rocks known in Texas (Paleozoic) have been pushed up through very much younger sedimentary rocks (Cretaceous) and are thus above their normal position. The older rocks have been exposed by the streams and wind after the uplift, thus the entire Solitario has been uncovered.

Geologic Structure: The Solitario is a structural DOME. To be more accurate, it is a partially dissected structural dome. In general, the area surrounding the Solitario is composed of Cretaceous limestones, covered by Tertiary (more recent rocks) lava. Within the Solitario the rocks are sedimentary, composed primarily of sandstone, limestone, and shale, with some of the sandstone beds metamorphosed to a quartzite. These rocks have been subjected to great pressures due to continental diastrophism the sedimentary beds have been altered to various types and structural conditions. Briefly, some carry very thin lenses or beds of chert from a fraction of an inch in thickness to 1/2", 1" and even 2", rarely more. One thick bed of Caballos

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novaculite (cryptocrystalline chert) of Devonian age traverses the ridges or sides of the ridges throughout the Solitario. This ranges from a few feet in thickness to several feet. All of these old rocks are Paleozoic in age and range from upper Cambrian to Mississippian or possibly Pennsylvanian.

Geologic Structure on Claims: The Solitario is traversed by ridges which trend in a northeasterly direction. These ridges are made up of the "old rocks" of the area where the outcrops of the beds are sharply inclined.

The rocks of the ridge on which are the claims under discussion are sedimentary with a Strike (trend) N. 5 to 10 degrees E., and Dip (incline) about 70 degrees S.E. The rocks of the ridge have been faulted, crumpled, and shattered so much so that the openings along the bedding planes and the cracks are filled with minerals.

Evidence of Igneous Intrusion: About 1/2 mile from the claims is an igneous dike or sill composed of trachite porphyry or rhyolite porphyry. These rocks are of acidic granite origin. This dike trends parallel to the mineral claims. This dike carries hydrothermal minerals that are radioactive. Similar dikes are in two other areas in the Solitario. (Pl.A)

A dome uniform in dimensions, about 4-1/2 miles in diameter and almost circular at the rim, could not occur unless some great mass of liquid rock or magma pushed it upward. The younger rocks, Cretaceous limestones along the margin of the Solitario dip away from the center of the area and then level off further out.

The minerals found on the claims originated from primary minerals which had their origin in the granites below.

All of these facts indicate most conclusively that there is a granite mass below the floor of the Solitario.

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Houston, Texas

Mineralization: Rocks on the claims carry the minerals in seams, fault planes, openings, and strangely in concretions. Some of the minerals are indicative of ore minerals, such as the various members of the carnotite group. Some are black, and need to be determined. But the occurrence of all the minerals is in any type of openings or holes in the rock.

Origin of the Radioactive Minerals: Primary minerals occur in an original magma that are now found in granites of one type or another. They are also found in dikes, sills, and pegmatite dikes associated with the granites. This report is interested only in primary minerals of acidic origin because among them is a mineral known as Uraninite. This is considered the original uranium-bearing mineral with all of the other radioactive minerals derived therefrom. This also includes thorium. (This statement is substantiated by all of the more recent authors on the subject.)

Primary Mineral - Uraninite: Uraninite has been found in granite, rhyolite, trachyte, pegmatite and between sedimentary beds associated with granite. Closely associated with uraninite is a bastard mineral known as pitchblende, which lacks definite chemical composition, but where present forms a rich radioactive mineral of U and Th content, either in combination or separate.

Investigation has proved or indicated that the dispursed radioactive minerals derived from Uraninite form two series, the Thorium (Th) series and the Helium (He) series. This analysis is applicable to the radioactive minerals on the claims. It is difficult to determine the different radioactive minerals on the claims without a chemical analysis, since the yellow minerals differ mainly by one carrying a potassium (K) molecule, another a calcium (Ca) molecule and another carrying a copper (Cu), etc. These are all secondary minerals, and for field purposes only can be classed under Tyuyamunite, since their properties are very similar.

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There is a black mineral in the extremely fine cracks which may carry Uranium. This answers the question of origin (a, b, c) and minerals. In addition the radioactive intensity determined by a Standard "Scintilator" is excellent.

Physical Conditions of Rocks Bearing Tyuyamunite: The rocks exposed on the claims which carry Tyuyamunite are of Ordovician age representing the Maravallas formation. They are overlain by the Devonian age Caballos chert. These rocks have been folded, faulted and crumpled by the forces which formed the Appalachian Mountains; again subjected to great pressures during the formation of the Rocky Mountains, and much more recently subjected to the formation of the dome by the intrusion of hot magma. Thus these thin bedded sedimentary rocks have been cracked, splintered and jointed. When a fragment breaks away from the bed it forms cubes, or rectangular gravels or fragments up to 2" in dimension. However they usually run from 1/2" to 1". In addition, the beds are seldom more than an inch across and rarely attaining a thickness of more than 3 inches. The position of these beds is such that they are in almost perfect condition to serve as channels for the ascending hot waters and gases from the magma and these would permeate any opening of any sort. The attitude is Strike N.E., dip 70 degrees S.E. This Appalachian structure pre-dated the Cretaceous, and was bodily uplifted at the time of the intrusion of the magma forming the dome called Solitario. Thus, there were plenty of magmatic waters and gases forced through and into the channels, but held in by the cap of Cretaceous rocks and basalts covering the entire dome.

The uncovering of the dome by water and wind has brought these mineralized zones to the surface and are now in the zone of Oxidation. It

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Houston, Texas

is here where Tyuyamunite occurs. In other words, the mineral zone is now above the water level of the area. This answers the question on physical condition. (e).

Extent of Mineralization: Since there was only one open cut about 10 to 12 feet long and 4 or 5 feet wide where a detailed study could be made, the Scintellation counter survey is sufficiently reliable to consider favorably in a preliminary estimate of the deposit. From the cut, it is known there is about 12 feet of active material. The zone from the Caballos chert to the heavy chert at the base of the Maravallas fm. was estimated as 60 or 70 feet thick. There is a question as to whether this entire thickness is impregnated with Tyuyamunite. There is an indication of a possible zone thickness a few feet below the Caballos chert. These facts cannot be determined until a trench has been cut across the entire exposure.

The lateral extent of the deposit has been estimated to be a little over 1 mile long according to Mr. Spacek who used a Scintellator counter to make the determination. From the cut or opening shown on the map (Pl.A) the mineral bearing rock zone is masked by a talus (slide-rock) from the top of the ridge. This reduced the count considerably, but even through that mask it was radioactive. The assumption is that it will occur well down into the earth and the deposit should increase in value downward. This answers the question of extent (d). The examination leads one to estimate a large deposit of minerals of medium grade.

Possibility of an Ore Deposit: An ore is a mineral or minerals that can be recovered at a profit. This involves (1) mining, (2) concentration at or near the mineral deposit, (3) transportation, (4) reduction to a matte at a central reducing mill for a region, and (5) metallurgical process forming such compounds as U_3O_8 or any other compound desired.

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SUGGESTIONS FOR PROCEDURE

1 - Cut trench across outcrop and make a scintellator cross-section grid of the surface of the cut.

2 - Carefully take a representative sample or samples along and across the face of the cut of the zone of mineralization suitable for mining and send the sample or samples to a good reputable assayer for percentages.

3 - Drill holes with a diameter sufficient to lower the probe of a Geiger Counter, and carefully record readings foot by foot keeping track of depth. This will give some idea of richness of the deposit so that an estimate can be made of the tonnage.

If a directional drilling rig is used, drill some holes perpendicular to the dip of the beds and well down on the mountain side. A very few holes drilled at space 100 feet apart will give data that will assist in the determination of values.

4 - While obtaining this information establish a pilot plant and perform some experiments relative to the separation and concentration of the Tyuyamunite at the point of operation. On these claims the uranium minerals are soft, meaning that they can be powdered easily. If the grain size of the quartz fragment is kept relatively large the powdered mineral should be separated mechanically rather easily. The process of separation needs to be determined. A jaw crusher or a stamp milling device should be tested for this work.

5 - Crushing calls for power. The power line is not too far from the claims for use.

6 - Make careful estimates of tonnage.

To the best of my knowledge this report is accurate as to the extent of my observations and tests which are subject to change upon further information obtained by drill holes, cuts, and other analyses.

SIGNED: A. A. L. Mathews

A.A.L. (Bill) Mathews
Consulting Geologist

Report submitted November 12, 1957

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Intracontinental
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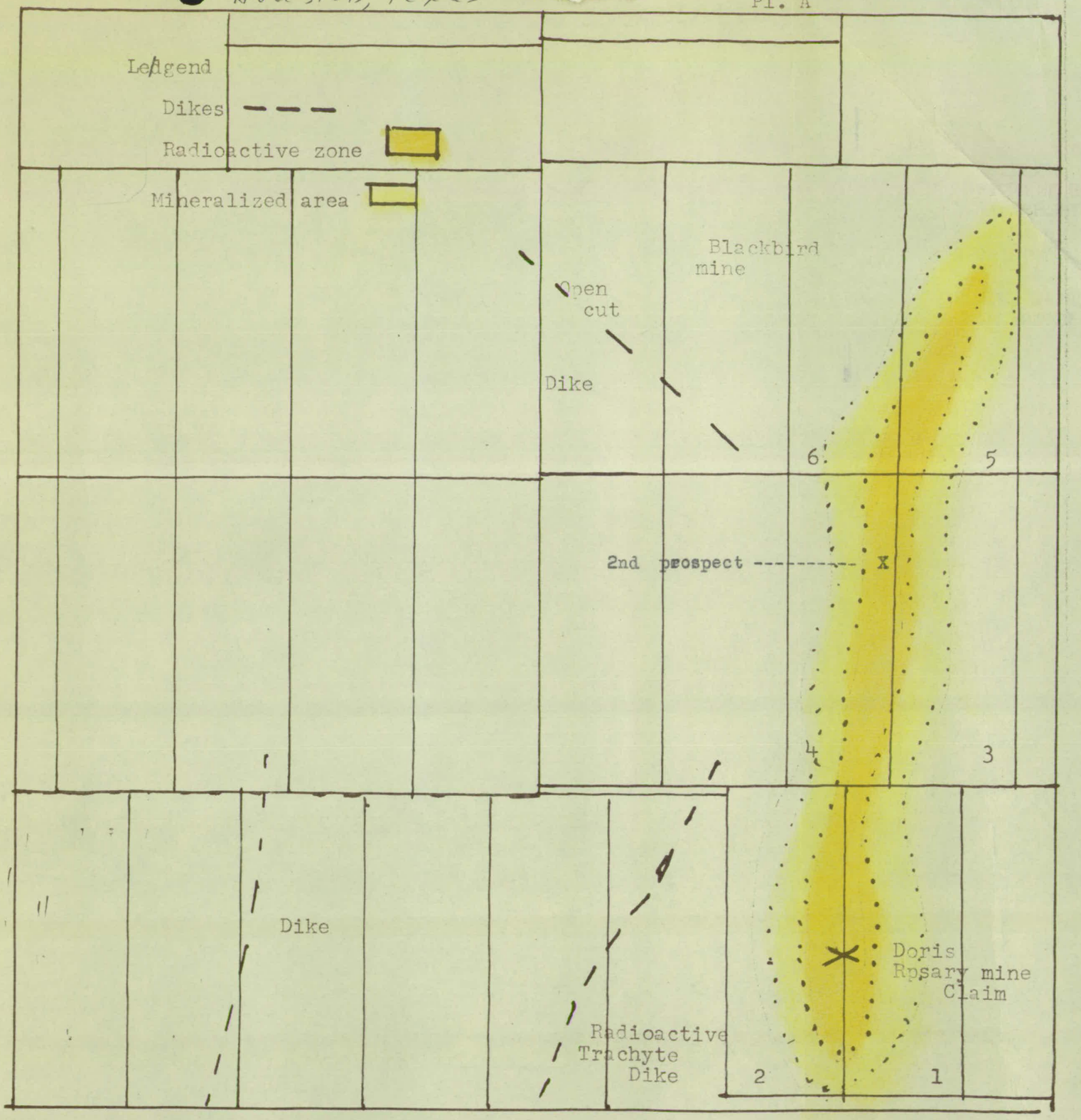
Pl. A



DORIS ROSARY MINERAL CLAIMS

Sec. 32 Block G - 5 D. & W. R. R. Co. Survey in

Brewster County, Telas

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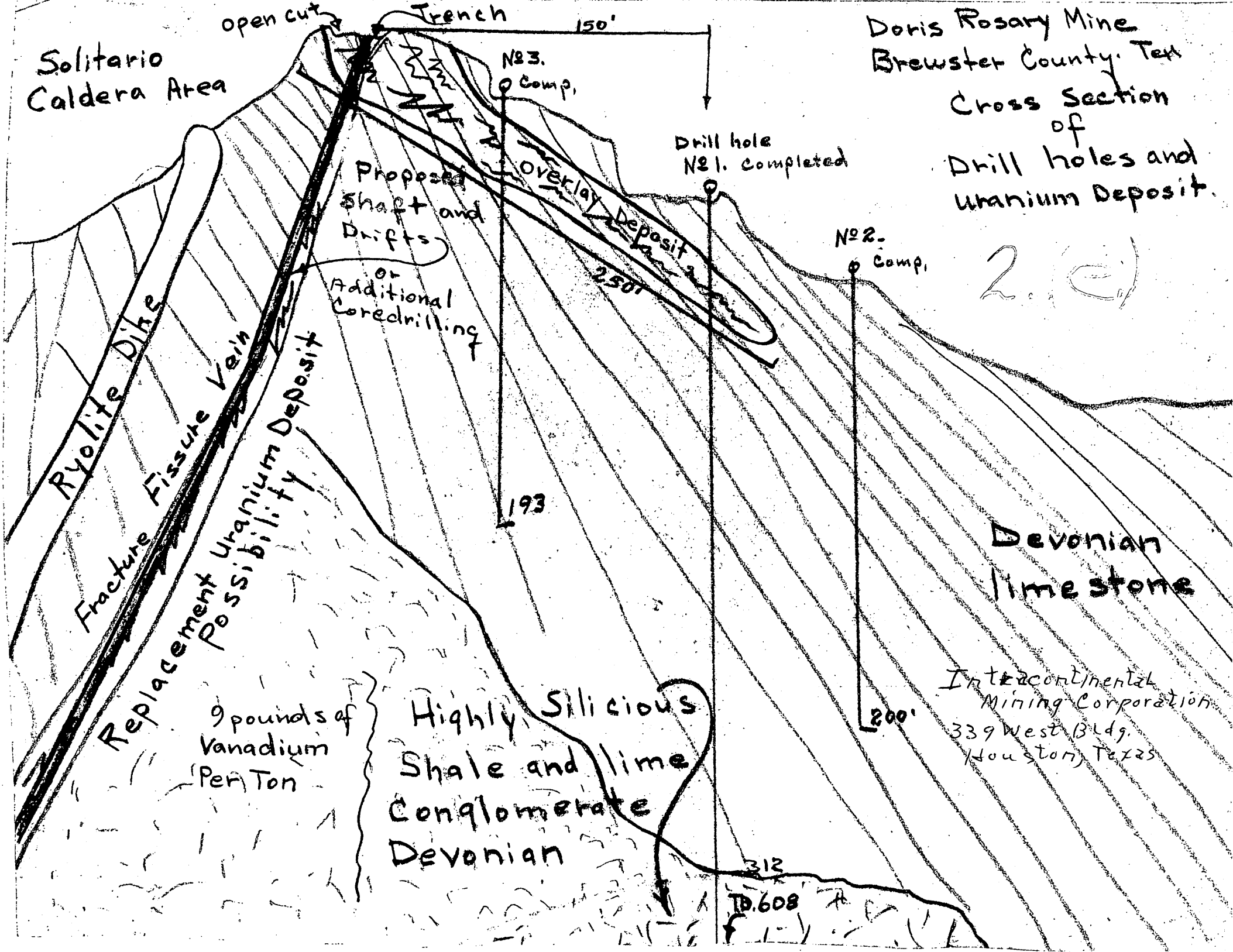
DATE	INITIALS	CODE


Doris Rosary Mine
Brewster County. Tex
Cross Section
of
Drill holes and
Uranium Deposit.
Solitario
Caldera Area
open cut
Trench
150'
№3.
Comp.
Drill hole
№1. completed
№2.
Comp.
Proposed
Shaft and
Drifts
or
Additional
Coredrilling
Overlay Deposit
250'
Rhyolite Dike
Fracture Fissure Vein
Replacement Uranium Deposit
Possibility
193
Devonian
limestone
9 pounds of
Vanadium
Per Ton
Highly Silicious
Shale and lime
Conglomerate
Devonian
312
T.D. 608
200'
Intercontinental
Mining Corporation
339 West Bldg.
Houston, Texas
2

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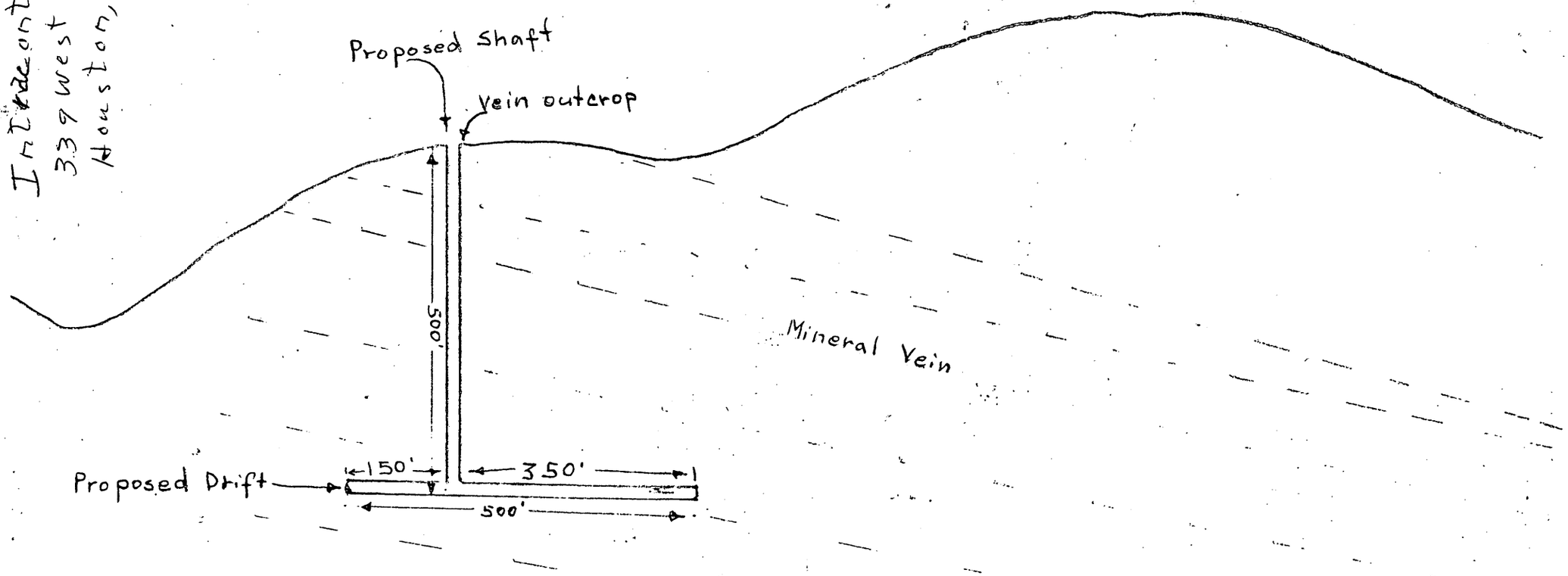
JOPLIN, MO.

Intercontinental Mining Corporation
339 West Bldg
Houston, Texas

Doris Rosary Mine
Brewster County, Texas
Proposed Exploration Project



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2. Void previous [illegible].
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[redacted]	RUN	
	STOP	
[redacted]	RUN	
	STOP	
[redacted]	RUN	
	STOP	
Miss Julia Jones	RUN	
[illegible]	STOP	
	RUN	
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	STOP	

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[redacted] RUN and STOP only when messenger service between Government buildings in Washington [illegible]
Your mail room has RUN and STOP information.

10

DOCKET

August 7, 1958

SUMMARY OF PROPOSED PROJECT

Murphy

Object: Denial of application for exploration aid.

Docket No.: DMEA-5022

Commodity: Uranium

Amount of Application: $170,016.00

Applicant: Intracontinental Mining Corporation
339 West Building
Houston, Texas

Property Rights: Sub-lessee of V8-1 through V8-6 unpatented mineral claims, known as the Doris Rosary Mine claims, are situate in east ½ of section 32, block G-5, Brewster County, Texas

Date of Application: May 12, 1958

Referred to Region IV: May 29, 1958

Field Examination made: June 24, 1958

Field Team Report received: July 28, 1958

Work Proposed: Shaft (5' x 6') to a depth of 500 feet, and from bottom of shaft drive 5' x 6' drifts 150 feet to left and 350 feet to right.

Estimated Costs:

Extend road & level shaft site	$512.00	
Payroll for 18 months	85,680.00	
Materials & supplies	44,372.00	
Equipment (purchase)	21,150.00	
New buildings	8,500.00	
Miscellaneous	9,802.00	
TOTAL		$170.016.00
GOVERNMENT PARTICIPATION @ 50%		$ 85,008.00

Excerpts from Report of Examination, by John W. Chester, USBM, and Robert U. King, USGS:

The Doris Rosary Mine claims, situated in a eroded domal uplift known as the Solitario, are underlain folded and faulted Paleozoic sedimentary rocks.

In the claim area thin bedded shales and silicified limestone (ordovician Maravallis formation), the host rock of the uranium deposits, underlies barren Devonian

quartzite. The shale and limestone beds strike about N 25° E and dip 65° east.

The uranium occurrences consist of fracture fillings in weathered near-surface limestones and shales, and impregnations in highly crushed rock in a fracture zone. Greenish-yellow secondary uranium minerals are exposed in a 8-inch wide crushed zone, by a 6' x 15' pit at the common side lines of the two southernmost V-8 claims.

In a road cut 300 feet south of the pit, scattered fractures in weathered shale are lined with scales and platy crystal aggregates of greenish-yellow radioactive minerals. No major fault or fracture zone was visible at this locality. A broad shallow cut, 100 feet east of the pit, contains weakly radioactive (0.05 mr/hr) weathered shale.

The application appears to have been built on the hypothesis that the uranium occurred in a fissure vein, and that therefore the grade would improve and primary minerals would be found at depth. The three vertical holes drilled by the Applicant neither prove or disprove this hypothesis, but only indicate some disseminated radioactivity in the bedded rocks close to the surface. It is concluded (by the examiners) that this mineralization is not likely to persist in depth in such steeply dipping beds without some other modifying structure.

After discussion with the field examiners, the Applicant agreed that additional prospecting would probably be necessary before the work proposed could be justified.

The examiners and Field Team recommended that the application be denied without prejudice to the property because the limited amount of prospecting performed precludes a complete evaluation of the merits of the property.

Commodity Members' Comments:

In memoranda, dated July 31 and August 5, 1958, James Paone, USBM, and W. P. Williams, USGS, respectively, concur in the Field Team's recommendation that the application should be denied without prejudice.

Division of Rare & Miscellaneous Metals, F. M. Murphy, 8-7-58:

The field examiners noted some uranium mineralization on the property. However, they found no favorable geologic structures that might have localized the deposition of uranium, or any significant alteration of the host rocks where the uranium mineralization occurred.

Lacking these criteria, it is likely that the mineralization noted is superficial and would not increase in depth as the Applicant believes.

Conclusions and Recommendations:

Since there is little possibility that additional work on the property would indicate a favorable exploration target, this Division recommends that the application be denied outright.

F. L. Knouse

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

DMEA Form 7
(12-56)

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Date	Surname	Code
8-7	Murphy	706
8-7	[illegible]	700
8/8	[illegible]	130
"	[illegible]	110
"	[illegible]	100
		220
		225

AUG 8

Mr. W. W. Spacek, President
Intracontinental Mining Corporation
339 West Building
Houston, Texas

Re: Docket No. DMEA-5022 (Uranium)
Section 32, Block G-5
Brewster County, Texas

8/8 Lamb (130)
8/8 Nelson (130)

Dear Mr. Spacek:

We regret that we were unable to completely process your application for exploration aid prior to June 30, 1958, the termination date for approving new contracts, as announced by the enclosed copy of a news release of June 6, 1958.

However, had the processing been completed, we would have been unable to approve a project based upon the information available to us in Washington concerning your property.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

FMMurphy/izm 8-6-58
cc: Mr. Murphy
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT Reg. IV (2)

8623

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

IN REPLY REFER TO:

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DATE	INITIALS	CODE
8/6	J.S.G.	225
"	FMM	700
	Complete	

August 5, 1958

Memorandum

To: F. L. Knouse, Defnese Minerals Exploration Administration

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

Subject: Review of field examination report, DMEA 5022, (Uranium), Intracontinental Mining Corp., Blackbird Mine, Brewster County, Texas

The examining team report that uranium minerals exist on the applicant's property. The examiners further report, however, that there does not appear to be a favorable geologic structure on the claims that would localize the uranium minerals. In addition, the host rocks do not show favorable alteration. Commercial uranium ore deposits are not known in the vicinity.

The applicant has dug some exploratory trenches and has drilled three churn drill holes, all without success. The examining team could find no evidence of primary uranium minerals. The drilling done by the applicant indicates that secondary uranium minerals are disseminated near surface.

The applicant's ambitious proposed project of shaft sinking and drifting does not appear warranted on the basis of the meager evidence now available. The examining team recommend denial of the application without prejudice. I agree with the advice of the examining team.

W. P. Williams

W. P. Williams

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DATE	INITIALS	CODE
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8/4	[illegible]	700

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

Date July 31, 1958

DMEA Docket No. 5022
DMEA Contract No.
Commodity Uranium
Name of Applicant Intracontinental Mining Corporation
Name of Property Doris Rosary Mine
Location of property Brewster County, Texas
Estimated cost of project $170,016

Memorandum

To: Frederick L. Knouse, Acting Director
Rare and Misc. Minerals Div., DMEA
From: James Paone, Bureau of Mines
Uranium Commodity Committee
Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 7/25/58 2. Date received by reviewer: 7/28/58

3. Prior reports on this property known to reviewer: Yes ☐ No ☐

4. Prior reports on nearby properties known to reviewer: Yes ☐ No ☐

5. Information available on past production: Yes ☐ No ☐

6. Other pertinent factors known to reviewer: Yes ☐ No ☐

7. Explain items marked 'yes' above:

8. Factors meeting 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 ☐
c. Denial ☒ without prejudice
d. Agree with Field Team ☒
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another examination ☐
h. Approval ☐
i. Consult with Mr. _____ at _____ AEC Office

10. Remarks: (Use back of page if necessary)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
July 24, 1958

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7/28	C	220
	es	130
8/1	CO	220
8/4	7MM	700

DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

Re: DMEA-5022(uranium)
Intracontinental Mining Corporation
Doris Rosary mine
Brewster County, Texas

ON-SITE EXAM

Dear Sirs:

Enclosed herewith is the original and three copies of joint Field Examination Report by Chester, USBM and King, USGS, covering examination of the subject application made on June 24, 1958.

The examiners recommend denial of the application without prejudice to the property because of the limited amount of prospecting which precludes a complete evaluation of the merits of the property. The Field Team concurs in this recommendation.

Sincerely yours,

Robert U. King
Robert U. King
Acting Executive Officer
DMEA Field Team, Region IV

encls 4

cc: DMEA Op.Com.(3)
King,USGS,Denver w/cy encl.
Foran,AEC,Denver " "
5022 file

Reviewed by
DMEA OPERATING COMMITTEE
8/1/58
(date)

Official

FIELD TEAM EXAMINATION REPORT

on

Doris Rosary Mine
Brewster County, Texas

by

John W. Chester, Mining Engineer, U. S. Bureau of Mines
and
Robert U. King, Geologist, U. S. Geological Survey

Application Docket, DMEA-5022 (uranium)
Intracontinental Mining Corporation
339 West Building
Houston, Texas

July 23, 1958

INTRODUCTION AND SUMMARY

Intracontinental Mining Corporation, 339 West Building, Houston, Texas, applied to the Defense Minerals Exploration Administration on May 14, 1958 for assistance to explore for uranium on the Doris Rosary group of claims, Brewster County, Texas. The proposed exploration consisted of 500 feet of shafting, 500 feet of drifting, and incidental bulldozer work and preparation of sites and access road. The estimated total cost of the project was $170,016.

The property was examined by John W. Chester, USBM, and R. U. King, USGS on June 24, 1958. The examiners were accompanied by Mr. Joe M. Adcock, Chairman of the Board of the applicant corporation and Mr. W. W. Spacek, President of the corporation. Further discussions of the property and the application were held with the company representatives on June 25, 1958.

Although the presence of uranium on the property was verified by the examination, the absence of favorable geologic structures that might have localized the deposition of uranium and lack of any significant alteration of the host rocks leads to the conclusion that significant deposits of uranium would not likely be found by further prospecting of the claims. However, because of the small amount of prospecting done in this new locality, it is felt that a complete evaluation was not possible and it is therefore recommended that the application be denied without prejudice.

LOCALITY AND PHYSICAL FEATURES

The Applicant's property is located in Section 32, Block G-5, Brewster County, Texas. The claims are located 73 miles by road south of Marfa, Texas, the nearest town. Thirty-four miles of this road from Marfa to Plata are paved. Plata is a point on the railroad that runs from Marfa to Chihuahua City, and is the nearest shipping point. The remaining 42 miles of road from Plata to the claims is dirt construction, about half of which is graded and the remainder is unimproved trail. The road crosses numerous dry washes and is subject to frequent washouts. The road had been washed out in two places when the property was inspected, but was repaired before the examiners left the property.

APPLICANT'S COMPETENCY

The ability of the applicant to conduct the exploration project from a financial standpoint is questionable. The May 1958 issue of Dunn and Bradstreet's Reference Book was consulted in an attempt to determine his financial responsibility. Neither Intra-continental Mining Corporation nor its precedessor applicant, the Oil Tool Research Development Corporation, were listed, nor were any of the four principal officers listed as individuals. This does not mean that they could not finance an exploration project, but it does cast some doubt on their financial standing. The prospecting work done to date does not indicate technical ability in systematic searching for ore deposits.

PROPERTY RIGHTS

The property on which the application was filed consists of six claims designated V8-1 through V8-6. These claims were awarded to John E. Oates by Texas General Land Office, Awards Nos. M81142, M81143, M81144, M81145, M81146 and M81147. The location recordings are on file in Alpine, Texas, in surveyors record RMC8, Pages 275, 276, 277, 278 and 279. The mining claims described were then leased to Mr. Joe M. Adcock and Mr. W. W. Spacek by Mr. Oates under a mining lease dated August 6, 1957, and recorded in the deed records of Brewster County in Volume 132, Page 564. The lease is valid for all time unless provisions of payments and work are not complied with. The lease is of doubtful value, having been signed only by the lessor and not by the lessees.

The above lease was then conveyed by several instruments to the Intracontinental Mining Corporation. A copy of the final instrument and a partial history of the lease is included with the application. The original lease was inspected by the examiners.

DESCRIPTION OF PROPERTY

The property consists of six contiguous claims in the eastern half of section 32. The claims are within a large eroded domal uplift known as the Solitario. The climate is semi-arid and no surface water exists in the area, but sufficient water for exploration can be obtained from wells. Elevations in the area range

from about 4,000 to 5,000 feet. The applicant has exposed several radioactive occurrences with one 4-foot pit on the common sideline of the southernmost claims and by two open cuts on the same claims. Three churn drill holes about 150 feet apart were drilled in the southeastern most claim. Other prospecting consisting of shallow pits and uncoordinated scintillometer traverses have been made over a distance of about 2 miles, some of which was done on property of unknown ownership. There are no buildings nor other facilities on the property.

GEOLOGY AND ORE DEPOSITS

The Doris Rosary claims, situated in the eroded domal uplift known as the Solitario, are underlain by folded and faulted Paleozoic sedimentary rocks(see attached map). Secondary uranium minerals, exposed in shallow cuts and pits, are weakly disseminated in fracture zones and coat individual fracture surfaces. The major structural feature on the property is a northeasterly-trending ridge formed by the monoclinal dip of the sedimentary rocks.

Fine grained, white, quartzite crops out immediately east of the workings. It appears that this formation lies stratigraphically above the uranium-bearing rocks; although it is barren of mineralization it serves as a useful marker bed for correlation purposes. The quartzite (Devonian novaculite) trends northeastward and dips 30° to 40° east. It is visible in intermittent outcrops capping a prominent ridge that makes up one of the inner rims of the Solitario.

Underlying the quartzite are thin bedded shales and silicified limestones(Ordovician Maravallis formation?), the host rock of the uranium deposits. The beds strike about N25°E and dip 65° east.

The uranium occurrences consist of fracture fillings in the weathered near-surface limestones and shales, and impregnations in highly crushed rock in a fracture zone. A 6 by 15 foot pit, 4 feet deep, on the ridge crest at about the center of the common side lines of the two southernmost V-8 claims, exposes at its eastern end, an 8-inch wide crushed zone containing disseminated greenish-yellow secondary uranium minerals. The zone strikes N35°E and dips 80°E, but due to the weathered condition of the bedded rocks it is felt that the accuracy of these measurements is questionable. The uranium-bearing zone dies out within 100 feet of the pit northward, but weak radioactivity is detectable on the surface for several hundred feet farther. The radioactive zone could not be traced southward from the pit.

Scattered fractures in weathered shale are lined with scales and platy crystal aggregates of greenish-yellow radioactive minerals in a road cut 300 feet south of the pit. No major fault or fracture zone was visible at this locality.

One hundred feet east of the ridge-top pit a broad shallow cut contains weakly radioactive weathered shale. The radioactivity at this locality amounts to 0.05 mr/hr. Yellow coatings of uranium minerals were visible in the exposed beds, but no well defined structure was visible.

Radioactive occurrences, extending northeastward across the applicants property and southwestward into adjacent properties were not examined, chiefly because of the limited prospecting work done and because the radioactivity was reported to be no greater than that at the pit examined.

The presence of primary uranium ore in an open cut near the Blackbird Manganese Mine, 1/4 mile northwest, could not be verfied, although the manganese-bearing rocks were very weakly radioactive.

CONCLUSIONS

The application appears to have been built almost entirely on the hypothesis that the uranium occurred in a fissure vein, and that therefore the grade would improve and primary minerals would be found at depth. The three vertical holes drilled by the applicant neither prove nor disprove this hypothesis, but only indicate some disseminated radioactivity in the bedded rocks close to the surface.

It is concluded that this disseminated uranium mineralization is not likely to persist in depth in such steeply dipping beds - without some other modifying structure.

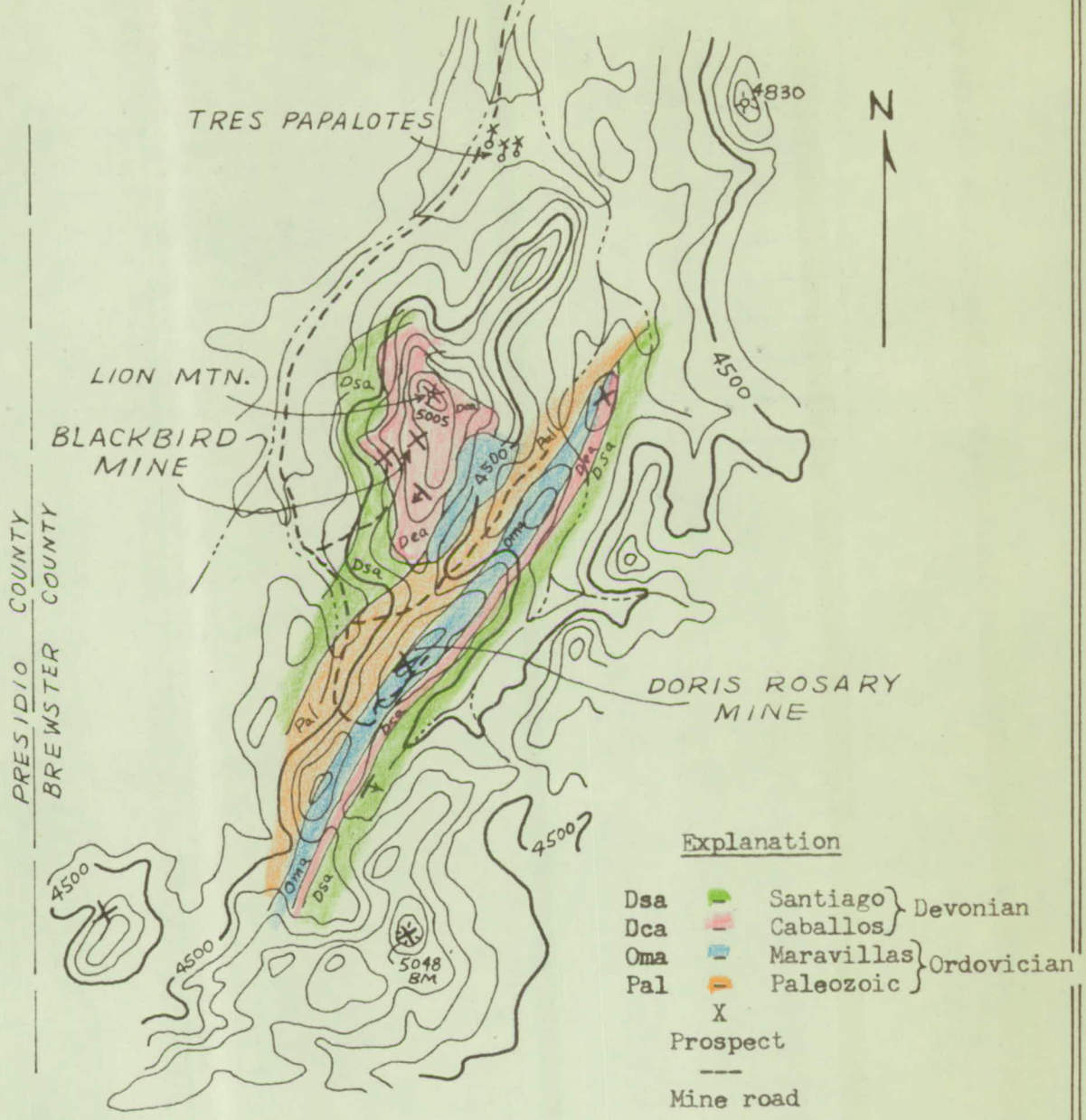
After discussion, the applicant agreed that additional prospecting would probably be necessary before the proposed shafting and drifting could be justified.

It appears that the proposed costs are entirely out of line with the proposed exploration. However, a detailed analysis was not made, nor is an alternative program recommended because a suitable geologic target could not be defined.

Robert U. King
Geologist
U. S. Geological Survey

John W. Chester
Mining Engineer
U. S. Bureau of Mines

EXAMINATION REPORT
DMEA- 5022



NOTE
Topography from USGS Topographic Map of Terlingua Quadrangle.
Geology from Geologic Map of the Solitario, Sellards, et al, U of Tex., 1933.

GEOLOGIC MAP OF THE SOUTHEASTERN PART OF THE SOLITARIO SHOWING LOCATION OF THE DORIS ROSARY AND BLACKBIRD MINES, BREWSTER CO., TEXAS

Scale
½ 0 ½ mile

OFFICIAL FILE COPY
D M E A
RECEIVED JUL 28 1958

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
June 23, 1958

OFFICIAL FILE
DMEA
RECEIVED JUN 25, 1958
DATE | Code
6/25 C
6/26 ~~Murphy~~ 220

Memorandum

To: Robert U. King, USGS, Denver, Colo.

From: Clinton C. Knox

Subject: Field examinations of Applications DMEA-5022 and -5062

This refers to my phone call to you Friday morning June 20 confirming that arrangements were made, as requested in your phone call the evening before, for Jack Chester to meet you at the airport in Midland, Texas on Monday evening June 23 to proceed to Brewster County for the subject examinations.

Intracontinental Mining

It is understood that arranging for these examinations on such short notice was deemed applicable because you had found additional information on DMEA-5022 available through A.E.C. in Denver. Thus, the memorandum to you by Chester on June 4, and suggested draft of a letter to the Applicant to be completed by you requesting all essential data, now can be disregarded because you and Chester can build up proper application during the personal contact with the Applicant at his property tomorrow.

CCK/id

Clinton C. Knox
Executive Officer

cc: DMEA Op.Com.(2)
Chester, USBM, Joplin
5022 Applic. file

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/28	Murphy	700
5/28	Ellis	700
5/29	Killegard	130
"	Johnson	110
"	Mittendorf	100
5/29	C	270
		700

Mr. W. W. Spacek, President
Intracontinental Mining Corporation. MAY 29 1958
339 West Building
Houston, Texas

Re: Docket No. DMEA-5022 (Uranium) 5/28 Lamb (130)
Section 32, Block G-5
Brewster County, Texas 5/28 Killegard (130)

Dear Mr. Spacek:

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

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

FMMurphy izm 5-28-58
cc: Mr. Murphy
Admr.'s Reading File
DMEA FT Reg. 4 (2)

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/28	Murphy	700
5/28	[illegible]	700
5/29	[illegible]	130
4	[illegible]	110
[illegible]	[illegible]	100
	OJB	
		220
		700

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

MAY 29 1958

Re: Docket No. DMEA-5022 (Uranium)
Intracontinental Mining Corporation
Section 32, Block G-5
Brewster County, Texas

Dear Mr. Knox:

The captioned application is referred to Region IV Field Team for review, a field examination if deemed advisable, and recommendations.

Enclosed are copies of memoranda, dated May 26 and 27, 1958, by W. P. Williams, USGS, and James Paone, USBM, respectively, relating to the application. We note in your letter of May 14, that you have retained two copies of the application for Field Team use.

With regard to your suggestion that the application be denied, without prejudice, by this office, we do not feel that the information available to us at this time is sufficient to make such a decision.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures
APPROVED:

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

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

FMMurphy/izm 5-28-58
cc: Mr. Murphy
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224

8623

AL FILE COPY
DMEA
RECEIVED MAY 27 1958

DATE		CODE
5/27	C	220
	Ellis	700

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

Date May 27, 1958

DMEA Docket No. 5022
DMEA Contract No.
Commodity Uranium
Name of Applicant Intracontinental Mining Corp.
Name of property Doris Rosary Mine
Location of property Brewster County, Texas
Estimated cost of project $170,016.

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: James Paone, Bureau of Mines Member LTB for J.P.
Uranium Commodity Committee

Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 5/19/58. 2. Date received by reviewer: 5/22/58

3. Prior reports on this property known to reviewer: Yes ☐ No ☐

4. Prior reports on nearby properties known to reviewer: Yes ☐ No ☐

5. Information available on past production: Yes ☐ No ☐

6. Other pertinent factors known to reviewer: Yes ☐ No ☐

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 ☒
   c. Denial ☐
   d. Agree with Field Team ☐
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary)

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 27 1958
INITIALS | CODE
" W. G. | 225
" Ellis | 700

IN REPLY REFER TO:

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

Memorandum

May 26, 1958

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

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

Subject: Review of application, DMEA 5022 (uranium), Intracontinental Mining Corp., Doris Rosary mine, Solitario Dome, Brewster County, Texas.

The applicant proposes to explore for uranium ore deposits in the Big Bend country of Texas. The property involved consists of six mining claims located on the flank of the big Solitario dome. The proposed project would consist of sinking a 500 foot shaft, driving 500 feet of drift, and bulldozing 500 feet of access road. Total estimated cost of the work is $170,000.

I am not able to find any direct information about the Doris Rosary mine; and although I have seen the Solitario, I do not have personal knowledge of the applicant's mining claims. I assume that Doris Rosary mine is a name that has been applied to the property but that no actual mine exists. The applicant's map also shows a Blackbird mine north of the Doris Rosary mine, but I assume, too, that that is also a claim name.

The applicant submits assays of samples from the property but they are unimpressive. The best uranium assay is 0.025 percent U_3O_8.

The property should be evaluated through field examination. The Executive Officer, Region IV, suggests denial of the application without prejudice. That might be a desirable alternative. The applicant has, however, completed a fair amount of work on the property consisting of road building, core drilling, and trenching.

W. P. Williams

W. P. Williams

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

May 19, 1958

Intracontinental Mining Corporation
339 West Building
Houston, Texas

Subject: DMEA-5022

Gentlemen:

Your application for exploration assistance, dated May 12, 1958 submitted to our office at Joplin, Missouri has been assigned Docket Number DMEA-5022 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,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region IV.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
Box 431
Joplin, Missouri
April 18, 1958

225

Oil Tool Research and Development Co.
Box 2274
Houston 1, Texas

Re: Uranium Application
Claims V8-1 thru -6
Sec. 32, blk. G-5, BrewsterCty, Tex.

Dear Sirs:

Your application material received here April 17 is all returned herewith. Although the executed Application Form MF-103 was submitted in the required original and three copies, only two copies of each of the accompanying papers were received.

I suggest that to assure prompt action and a proper appraisal of the merits of your application when submitted to the Washington Office of D.M.E.A., all instructions should be complied with by providing all applicable material and information in the required number of copies as specifically instructed on the application form. Promptness is especially important to you at this time because of the impending expiration of existing D.M.E.A. authority at midnight June 30, 1958.

Therefore, in accordance with the instructions on the application form, please furnish all papers accompanying the application form also in quadruplicate, identifying each by the item number to which it applies in the application form, and placing the name and address of your company on each sheet.

Furthermore, clarification should be furnished under the following items:

1. Property Rights:
   (a) Please state whether the claims are unpatented and where their location recordings may be examined.
   (c) The photo copy of the "Mining Lease" does not indicate that it was ever executed by the lessee, or that your company is the lessee or otherwise controls the mineral rights on the claims.

2. Description:
   (a) The location of drill holes, trenches and other mining or exploration work should be shown on an adequate plan map drawn to scale.
   (b) A concise statement of the work that your company actually has done should be given.

2. (d) State whether there are any known ore reserves and give quantities, grades and sampling methods used.

4. The Proposed Project:
   (a) Show on an adequate plan map the location to scale of the proposed project work as related to existing drill holes, trenches, geologic features, and property boundaries.
   (b) Show existing access road and that to be built on the property map and state type, and construction methods for the 500 feet of additional road you propose.

5. Experience:
   I did not find a statement of the operating experience and background of your company, or Mr. W. W. Spacek, which your statement indicated was all properly recorded therein.

6. Estimated Costs:
   You indicate that there will be no independent contracts so a detailed breakdown of all items under (b, c, d, f and g) would be required for proper engineering cost estimates to account for your total of $76,500. For example, you have failed to give the number of hours at $16.00 required to build 500 feet of road for $500. Even if you furnish a detailed breakdown of every item included in your estimated $60,000 for 1,000 feet of underground openings, the Washington Office may require that you obtain bids from two or three independent shaft-sinking contractors to determine whether your estimate is reasonable. You certainly will be required to give detail specifications for all the work and state exactly how much shaft sinking, drifting, and core drilling will be done; and where each part of the work will be located. I particularly urge that you present a detailed breakdown of your estimated $10,000 for "insurance, etc.". To verify that your estimates for workmen's compensation and liability insurance and payroll taxes are reasonable it will be necessary for you to furnish the itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment required under Item 6(b). I reiterate the suggestion in my April 4 letter that all details of your plans and cost estimates for the proposed exploration program should be given because they are essential to assure prompt action on your application and a proper appraisal of its merits; also for writing the specifications for the D.M.E.A. project contract you desire.

7. (b) State the exact extent or amount of the costs you propose to provide in money, and the amount of credit your company expects for use of its equipment.

Please do not hesitate to write if there are any further suggestions I can give for preparing your application and submitting it to Washington.

Sincerely yours,

CCK/id

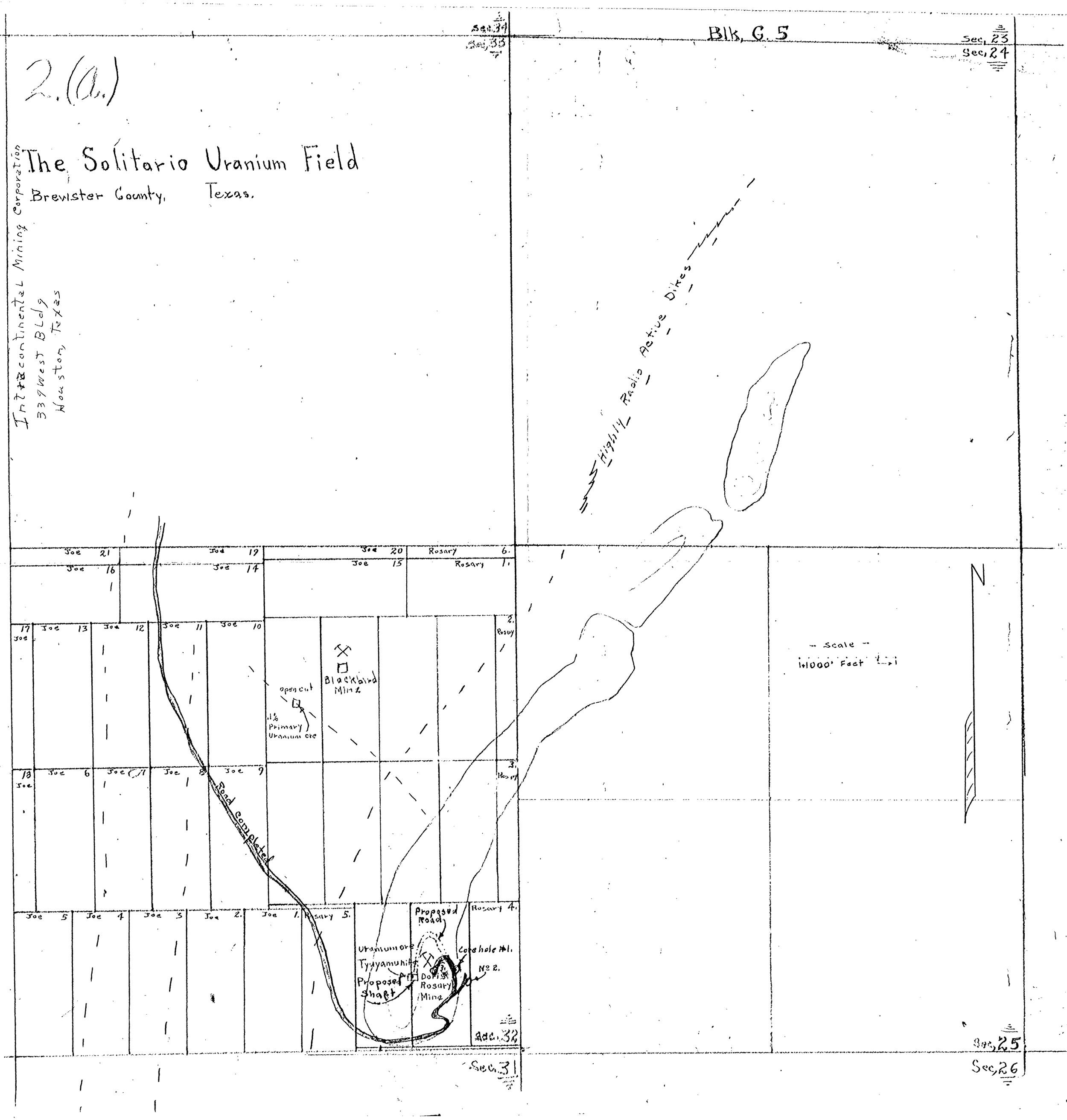
Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

encls. 2

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

2.(a.)

The Solitario Uranium Field

Brewster County, Texas.

Intercontinental Mining Corporation
337 West Bldg
Houston, Texas