URAVAN URANIUM & OIL, INC.
828 SYMES BLDG.
DENVER 2, COLORADO

REPORT

on the

UNION - CORDOVA - RATHGEB

GUTTINGER MINES

San Andreas California

By LAWSON H. LINDE
Mining Engineer & Geologist

January 12, 1954

Uravan Uranium & Oil, Inc.
718 Symes Building
Denver 2, Colorado

Attention: Mr. Phillip J. Gentile
President

Gentlemen:

Complying with your request, I have visited the property referred to herein on December 27th and January 9th.

In accordance with your instructions I have prepared a report which I submit herewith.

Very truly yours,

LAWSON H. LINDE

January 10, 1955

S U M M A R Y

The property of the Guttinger Mines Companies, a total of 1376 acres. Of this total area, approximately 85 acres is mineral land and the balance is agricultural with full mineral rights.

It is located in the Mother Lode Gold District of California. All physical features and general conditions, elevation, climate, vegetation, timber, power, water, labor, and accessibility are most favorable for operating at a low cost per ton.

The history of the property shows a period of profitable operation of the Union Mine by the original owners. The work done during this period included the extraction of a considerable number of rich pockets, and the mining of the mineralized schist above the 120' level, and in the footwall of the quartz vein. Later the mine was sold to an English Company. During the last portion of the control by this company, energies were directed toward searching for pockets rather than developing ore bodies.

At the Burgess Mine, apparently the same condition prevailed, but under the direction of another company. The gold values exposed in the Guttinger shaft were associated with pyrite and termed "Rebellious Ore" because at this date such type of ore presented many difficulties in reduction. In general the Geological conditions are favorable for ore disposition.

During the period of sixty-five years, which has elapsed since the closing of these mines in 1890, and the present date, a very considerable addition has been made to the knowledge of the geological formations and the process of ore deposition, represented in the Mother Lode District. Improved metallurgical processes have rendered possible and facilitated the treatment of so called rebellious

ores without resort to shipment to smelters.

In view of the historical background and the obviously accurate reporting of the occurrence of radio active material, I am convinced the property under discussion merits further exploration and examination.

Dur consideration has been given to a possible drilling program in order to localize the occurrence of radio active material. However, it is my opinion and recommendation that it would be far better to gain access to the original Union workings, explore these and locate the red clay seams referred to by Rickard in his various papers.

I further recommend that the re-opening of the shaft be undertaken and that it be placed under the direction of competent personnel; that the development of not only the Uranium occurrence be fully explored but that both foot and hanging wall be cross cutted in an endeavor to locate ore bodies not previously encountered.

G E N E R A L

OBJECT OF REPORT: My examination was primarily to ascertain the possibilities of Uranium occurrence and to determine the location of the workings wherein the discovery of pitchblende was first reported in 1887.

Considerable research was done referring to reports of the State Mineralogist, i. e.

Report VIII	1887 - 1888	Page 147
" XXXII	1936	" 283 and 291
Colorado Scientific Society Proceedings		
Vol 4		Pages 329 and 1895
American Institute of Mining Metallurgy Trans.		
Vol 31		Pages 215 and 1902
State Bulletin #108		Page #147

Wherein Mr. T. A. Rickard, Associate of Royal School of Mines, Member of American Institute of Mining and Metallurgical Engineers and later editor of Mining and Scientific Press made the following statement:

"These pockets appear to be confined to the zone between the surface and the water-level and to be dependent upon the results produced by the small cross-veins which encounter the main lodes. In 1887 I had the pleasure of extracting, in two hours, a little over 170 ounces of gold, worth about $3,000, from one of these pockets. It was at the Rathgeb Mine near San Andreas in Calaveras County. The main lode consisted of 5 to 8 feet of massive 'hungry-looking' quartz, the foot-wall of which was a beautiful augite-schist and the hanging-wall, a hard diabase. The water-level was 160 feet below the surface. Down to this point, the country was oxidized, the hanging-wall exhibiting only slight alteration, while the schist of the foot-wall was softened and decomposed almost to a clay. This was traversed by numerous small veins, which appeared to act as 'feeders,' forming bunches of rich ore where they encountered the main lode. At the 120-foot level, south from the shaft, there were some old workings; and the examination of these led to the discovery of a small seam, about one-sixteenth of an inch thick, filled with red clay which carried a good deal of native gold. * * * It varied in thickness and occasionally opened out into small lenticular cavities, containing a clay in which the gold was distributed like the raisins in a pudding. Each of these 'pockets' yielded several hundred dollars worth of gold. At length the streak widened to 6 or 8 inches of quartz, lined with clay. The amount of red clay commenced to increase; coarse gold became more frequent; and a big discovery was hourly expected. It was finally made. The vein suddenly became faulted, and at the place of faulting, there was a soft, spongy, wiry mass of gold and clay --- more gold than clay * * * Within the next two hours this pocket gave us $3,000 and during the following week it yielded over $20,000, an amount which was obtained at a total cost of less than $200.00. * * * The vein, AC, had been faulted about its own width, namely, 10 inches, by a small cross-seam, DE, and at this intersection, B, the pocket lay. The gold was spongy and was intermixed with quartz. The clay which penetrated the whole mass was partly red and ocherous, and partly a gray gelatinous material. In the quartz, and associated with the gold, there were acicular black crystals of pitchblende (uraninite) together with uranium ochre. This association of gold with uranium is uncommon."

Incidentally, it may be said that this appears to be the only reported occurrence of pitchblende in the State.

Further, a complete study was made of all the Correspondence between Messrs. Hamilton, Rickard and the London Office of the Union Gold Mining Company.

Several extremely interesting points are set forth in these documents. Two in particular are of concern in this report.

(1) February 26, 1888 "The crosscut into the hanging at the 350 foot level has got into an extremely hard, dark rock, showing a little quartz, and pyrite."

(2) February 26, 1888 (Following Page)

Letter addressed to the Secretary of the Union Gold Mine: "Enclosed please find report for February. It may be interesting to the Directors to know that our gold here is associated with one of the rarer metals - Uranium. The richest bunches of gold generally show small quantities of pitchblende (oxide of Uranium) and Uranium ochre (a sulphate of the same metal). This is the only known occurrence in California. You perhaps know that Uranium is used in the Arts as a fire-proof pigment for making the inscriptions, etc. of stained glass windows, etc."

With this background of reported occurrences, all the dumps in the area were checked, using scinilation and Geiger equipment.

Several pieces of quartz were fathered that gave readings in excess of 2.0 MR/PR with a background count of .05

Radio-metric tests on these selected samples show a Uranium value of .82%, approximately $130 per ton, including bonus payments.

While no other readings on the surface were obtained along the strike of the vein outcrop, it is most significant that it was possible to locate radio-active material of commercial grade on the dump of the mine.

LOCATION AND EXTENT: The property is located near the North Central Section of the Mother Lode District in Calaveras County, California. It is situated in Sections 28, 33 and 34, of Township 4, North, Range 12 East. It is located along the county road between San Andreas (County Seat) and Angels Camp, the terminus of the Sierra Railroad, 9 miles South. The Calaveritas River flows through the Northern portion; the south fork of the Calaveras River flows parallel to the Southwestern Boundary, and the San Antonio Creek flows along the southern boundary. (See general surface map of the Guttinger properties).

The said property contains a total of 1376 acres, of which

Alabama Placer Mine	-	40 acres
Cordova Quartz Mine	-	27.39 acres
Burgess Quartz Mine	-	45.66 "
Pedro Quartz Mine	-	12.38 "
Frazier Placer "	-	40 "

are covered by U. S. Mineral patents, while the balance is covered by U. S. Agricultural patents with mineral rights.

T O P O G R A P H Y

The elevation of the property varies, between 900 and 1100 feet above sea level. The topography is typical of that found along the whole Mother Lode District; rolling hills and valleys, occasionally cut by the more precipitous slopes of swiftly flowing streams.

CLIMATE, VEGETATION, ETC.

The climate is delightful. The summers are warm and dry, and the winters very mind with occasional slight falls of snow, melting nearly as rapidly as it falls. During July and August, the temperature during the day is high, but the nights are always cool.

The vegetation consists chiefly of a few Bull Pine, black and life Oak, some Chapparral, Manzanita, and various other bushes common to the Mother Lode District. The hills are covered with a heavy soil mantle, and the major portion of the surface is carpeted with grass.

T I M B E R

Timber for mining purposes cannot be obtained on the property. It can, however, be secured somewhat further up in the mountains, and delivered by truck at a reasonable cost.

P O W E R

Ample power for all mining and milling purposes can very easily be obtained. A high tension electrical transmission line traverses the property (See surface map) so that only very short branch lines with proper transformer installation will be required.

W A T E R

A water right from the Calaveritas River, is held by the Company. In addition to this, sufficient water for all immediate purposes can be secured from the nearby streams and pumped to any point at which it will be required.

L A B O R

Men capable of performing any mining work can easily be obtained. The average wage is $15 to $16 per day. All employment subject to California State eight hour law, also Employers Liability Law. Labor Unions do not interfere in the district.

GEOLOGY OF THE DISTRICT

The general geology of the district is typical of the geology encountered along the entire Mother Lode Belt. a steeply dipping series of highly metamorphosed sediment and volcanics has been intruded bya batholitic mass which forms the backbone of the present Sierra Nevada Range. Along the outer boundary of the batholitic formation, smaller isolated masses of the intrusive occur; these evidently being offshoots from the main igneous mass.

The Mother Lode vein system lies west of this intrusive and in general parallel the western boundary. The system is confined to a zone of weakness, coincident in general with the strike and dip of the ancient metamorphosed series.

UNION MINE

HISTORY AND PRODUCTION: My sources of information were: Articles previously listed and referred to, reports by H. G. Perry and R. C. Eisenhauer have been referred to and for which credit and appreciation are due.

John Guttinger, grand nephew of one of the original owners, also furnished such information as he was able.

The Union Mine was located during the later part of the year 1861 by six men. Two of these, John and Hans Rathgeb, purchased the interest of the other four, and later acquired by purchase and location those other parcels of mining and agricultural land comprising the present property.

Between the years 1861 and 1886, the mine was operated by the owners. Mining operations were conducted to a depth of 120' and between 50 feet north of and 150' south of the shaft. I am informed that from this section about $175,000.00 was produced. The ore was reduced in a ten stamp mill and later in a six foot Huntington Mill.

In August 1886, the Union Mine was sold to an English Company (Union Gold Co., Ltd.) for L 40,000 ($195,000.00). This Company operated the mine for about three years during which time they mined above the 120' level and northerly from the Rathgeb workings. In addition, the shaft was sunk to a total depth of 420 feet and levels driven at 220' and 350' horizons.

The 120' level appears to be the lower limit of the zone of oxidation and below this the values are chiefly combined with pyrite.

The Company expended $86,000.00 for improvements and equipment, including a thirty stamp mill, paid $120,970.00 on the purchase price, but failing to pay the balance, the property reverted to the original owners. The production during the period is reported to have been $62,270.00.

Other records of development along the southerly extension at the Chilean Shaft and the Illich Shaft show history uncovering several rich pockets.

GEOLOGY: The Union Vein outcrop was traced a distance of 3,000 feet. It strikes North thirty degrees West and dips seventy degrees Northeast.

It is a quartz vein containing varying amounts of calcite, occupying a fissure wholly within an amphibolite schist formation. The northern section of the vein (at and adjoining the Union workings) varies between 80% and 90% quartz, but advancing southerly this ratio changes until at the Illich shaft, near the southern extremity the composition was observed to be 15% to 20% quartz and 75% to 80% calcite (spar). Other minerals observed in the vein matter were malachite, chalcopyrite and pyrite, all in amounts less than 1%.

The enclosing formation (amphibolite schist) has been altered to a sericite schist directly adjacent to the vein and is impregnated with small cubes of pyrite advancing from the vein in either direction (FW or HW) the development of schistosity is less marked.

The vein fissure has undoubtedly resulted from compressive faulting. In addition to the main vein, there are smaller fissures, varying in strike and dip from the main vein and intersecting it at various intervals. These intersections are locally known as "Crossings" and very frequently contain "Pockets" of rich concentration of gold.

Records available indicate that the greater portion of the ore milled by the Rathgebs was taken from the mineralized schist located in the footwall of the quartz vein; that the quartz vein was present but contained low values except near the crossings; that the ore mined by the English Co. was principally from the quartz vein.

From the evidence at hand it seems reasonable to conclude that highgrade values are irregularly distributed in the quartz vein; that the schist in the footwall of the vein above the 120' level contained pay values over a maximum width of thirty feet in the section near and extending northerly from the shaft; that the development on the lower levels was directed along the quartz vein, entirely overlooking the possibility of a mineralized zone in the schist of either the footwall or hanging wall.

CONCLUSION AND RECOMMENDATIONS: The schist and quartz stringers exposed in these workings, appear to be most favorable for ore formation. Apparently the energy expended by the former operators was directed more to searching for rich pockets than to developing large ore bodies. Supporting this fact, we have a statement by Mr. Rickard, "Stringer Lodes" in schist rather than values in adjacent quartz veins have been extensively and successfully exploited in other mines along the Lode since the closing of the mine. Advances in metallurgy, mining and milling machinery have rendered possible the profitable treatment of vast tonnages of material which must formerly be classed as waste.

I would recommend that access be gained to the Union workings either by the old Union Shaft or a connection from the Cyclone Shaft which is located 350 feet north from Union Shaft, and in the hanging wall of the ore body; that the workings be mapped, sampled and geological formation plotted; further, that special attention be given to the schist adjacent, both in footwall and hanging wall, to the quartz vein. There should be sufficient drifting and crosscutting to eliminate any chance of overlooking an ore body within the area.

I most certainly believe that this property merits the exploration contemplated and that thereafter development shall be determined by conditions and values exposed.

LAWSON H. LINDE
Consulting Mining Engineer and
Geologist

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ARTHUR JAFFE,
CONSULTING ENGINEER AND GEOLOGIST

ARCHES BUILDING MOAB, UTAH

REPORT ON THE RUSTY CAN CLAIMS

SAN JUAN COUNTY, UTAH

By: ARTHUR JAFFE
Consulting Engineer
and Geologist

ARTHUR JAFFE
CONSULTING ENGINEER AND GEOLOGIST

ARCHES BUILDING MOAB, UTAH

January 25, 1955

Uravan Uranium & Oil Inc.
718 Symes Building
Denver 2, Colorado

Attentipn: Mr. Phillip J. Gentile,
President

Gentlemen:

As per your request I have visited the property referred to hereby called The Rusty Can claims number 1 through 7 inclusive.

I have prepared a report which I hereby submit.

Very truly yours,

ARTHUR JAFFE

ARTHUR JAFFE
CONSULTING ENGINEER AND GEOLOGIST
ARCHES BUILDING MOAB, UTAH

January 25, 1955

INTRODUCTION

THIS REPORT PRELIMINARY SUMMARY OF THE GEOLOGY AND URANIUM POSSIBILITIES UNDER GROUP OF CLAIMS KNOWN AS THE RUSTY CAN #4 THROUGH #7 INCLUSIVE.

Many occurrences of uranium and vanadium have been reported in San Juan County, Utah in the past few years. At the present time there is a great deal of activity in regards to exploration, development, and mining of uranium ores in the formations where uranium mineralization is known to exist. In the Montezuma Canyon area, in which the Rusty Can claims are located, the Morrison of Jurassic age is a known uranium area formation. This formation is known to contain commerical grade ore, in many cases ore is being produced at a profit from mines near these claims.

LOCATION AND ACCESSABILITY

The Rusty Can claims #4 through #7 inclusive comprise an area of about 80 acres. They are located in Sections 2, 3, and 10, Township 36 south, Range 24 east, San Juan County, Utah. It is possible to drive up to the claims in a jeep on existing roads.

CLIMATE

The climate in the Colorado Plateau area is characterized by aridity and great temperature ranges. Rainfall and humidity are low. Precipitation averages around 20 inches a year. Water supply is adequate; working conditions are good throughout the year.

PHYSIOGRAPHY

Most of southeastern Utah is part of a ruggedly disected physiographic province known as the Colorado Plateau. This province covers an area of about 130,000 square miles and lies in parts of four states, southeastern Utah, southwestern Colorado, northeastern Arizona, northwestern New Mexico. This province is composed of deeply incised canyons, flat top mesas, broad shallow valleys and local laccolithic mountains. The sedimentary beds range from late paleozoic to genazoic in age; these beds are generally horizontal or nearly horizontal; in some places the beds have been disturbed by broad folds and high angle faults. These folds and faults are probably caused by the laccolith intrusions.

GEOLOGY

The sediments in the Montezuma Canyon area are mainly jurassic and triassic in age. Outcroppings observed on the Rusty Can claims were mostly of the Brushy Basin; upper Morrison, with some of the upper Salt Wash (lower Morrison) exposed in places. The sediments are nearly horizontal but have a gentle dip in the southernly direction.

The Brushy Basin is often called the shale member of the Morrison formation. It is a sequence of thin bedded Argillaceous sediments with interbedded sandstone lenses. It is believed that much of the Argillaceous material is volcanic in origin. Uranium mineralization has been found in this formation, but no large commercial ore bodies are known.

In general, the Salt Wash member of the Morrison formation is composed of beds of red or green shales or mudstone interstratified with light color sandstone. In the Montezuma Canyon area fossil wood containing high percentages of carnotite type mineralization have been found. Good ore generally surrounds these fossil logs. The Salt Wash member of the Morrison formation is one of the favorite horizons for uranium mineralization.

ECONOMICS OF THE AREA

In the Montezuma Canyon area numerous mining operations are currently going on in the same horizons that underlie these claims. On the rims surrounding the Rusty Can claims one can see several mining operations. This area is one of the largest ore producing areas in the Colorado Plateau in the Morrison formation.

Uranium mineralization was observed along the rim of these claims and in this area uranium mineralization generally increases to five and sometimes to ten feet in thickness, about one hundred feet from the rim. Further, it has been reported that ore has been shipped from the property.

CONCLUSIONS

These claims are located in one of the largest uranium producing areas in Utah. The known uranium producing horizons underlie the property. Currently there is great activity in regards to exploration, development, and mining in the immediate vicinity of the Rusty Can claims.

It has been demonstrated to the satisfaction of most geologists that uranium deposits tend to occur in groups, clusters, or bodies; it is apparent, therefore that a property located in close proximity to producing mines must be considered to be a more favorable prospect than one removed from producing areas, other factors being equal. Uranium has been produced in the area of these claims. Some uranium has been reportedly shipped from these claims. With proper technical supervision, the chances of finding uranium mineralization of commercial grade is believed by the writer to be good.

RECOMMENDATIONS

Being that the Rusty Can claims are located over a favorable ore producing horizon, and that active mining is being done in the area of these claims, the following program is recommended:

1. Detail surface geology map made, showing the formation exposed and the topography of the area.

2. Diamond drill the area using a 500 foot grid.

3. If ore is found in commercial quantities, a drift starting at the rim will probably be the cheapest means of mining.

Respectfully submitted,

ARTHUR JAFFE,
Consulting Engineer
and Geologist

URAVAN URANIUM & OIL, INC.
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DENVER 2, COLORADO

MOTHER LODE GOLD BELT OF CALIFORNIA

URAVAN URANIUM & OIL, INC.
828 SYMES BLDG.
DENVER 2, COLORADO

BY

CLARENCE E. LOUEY

BULLETIN No. 108

ISSUED BY THE
STATE DIVISION OF MINES
FERRY BUILDING, SAN FRANCISCO

1934

in 1888, after which year no definite details are at hand. A Huntington mill was built, but there is no record of the production or gold content of ore.

Rathgeb Mine is three miles southeast of San Andreas, adjoining the Union Mine on the northeast. It had a 5-stamp mill in 1870, when the earliest production, amounting to $5,000, was recorded. By July 1, 1873, the shaft had reached a depth of 70 ft. and 150 ft. of drifting had been done, with 600 tons of ore on the dump which the owner reported was worth $7 a ton, containing 5% sulphides and coming from a vein averaging 4 ft. in thickness. During the next year 300 tons was crushed, probably of the above ore. The mill meanwhile was increased to 10 stamps. The shaft finally reached a depth of 220 feet, with short drifts on the 120-ft. and 200-ft. levels.

T. A. Rickard[1] has given an excellent account of the conditions under which a large pocket was taken from this mine in 1887 and excerpts are given.

> "These pockets appear to be confined to the zone between the surface and the water-level and to be dependent upon the results produced by the small cross-veins which encounter the main lodes. In 1887 I had the pleasure of extracting, in two hours, a little over 170 ounces of gold, worth about $3,000, from one of these pockets. It was at the Rathgeb Mine, near San Andreas in Calaveras County. The main lode consisted of 5 to 8 feet of massive "hungry-looking" quartz, the foot-wall of which was a beautiful augite-schist and the hanging-wall a hard diabase. The water-level was 160 feet below the surface. Down to this point, the country was oxidized, the hanging-wall exhibiting only slight alteration, while the schist of the foot-wall was softened and decomposed almost to a clay. This was traversed by numerous small veins, which appeared to act as "feeders," forming bunches of rich ore where they encountered the main lode. At the 120-foot level, south from the shaft, there were some old workings; and the examination of these led to the discovery of a small seam, about one-sixteenth of an inch thick, filled with red clay which carried a good deal of native gold. * * * It varied in thickness and occasionally opened out into small lenticular cavities, containing a clay in which the gold was distributed like the raisins in a pudding. Each of these "pockets" yielded several hundred dollars worth of gold. At length the streak widened to 6 or 8 inches of quartz, lined with clay. The amount of red clay commenced to increase; coarse gold became more frequent; and a big discovery was hourly expected. It was finally made. The vein suddenly became faulted, and at the place of faulting, there was a soft, spongy, wiry mass of gold and clay—more gold than clay * * * Within the next two hours this pocket gave us $3,000, and during the following week it yielded over $20,000, an amount which was obtained at a total cost of less than $200. * * * The vein, AC, had been faulted about its own width, namely, 10 inches, by a small cross-seam, DE, and at this intersection, B, the pocket lay. The gold was spongy and was intermixed with quartz. The clay which penetrated the whole mass was partly red and ocherous, and partly a gray gelatinous material. In the quartz, and associated with the gold, there were acicular black crystals of pitch-blende (uraninite) together with uranium ochre. This association of gold with uranium is uncommon."

Incidentally, it may be said that this appears to be the only reported occurrence of pitchblende in the State.

Shotgun Mine joins the Demarest holdings on the south. There are several shallow shafts, the deepest 125 ft. long, on the footwall vein, composed of quartz and slate ribbon rock and dike rock. This claim has produced some high grade ore, and a small crushing of low-grade ore was made in 1930.

In 1931 there was a hoist operated by a 12-h.p. gasoline engine, and a 10 by 12-in. compressor with a 4-cylinder gasoline engine housed in a corrugated iron building.

Sultana (first called the *Winters* or *Marshall* and later *Bovee Mine*) includes Bovee and Fritz claims, Bovee mill-site and Fritz Pur-

[1] The Formation of Bonanzas in Gold-Veins. Trans. A. I. M. E. 1901.

URAVAN URANIUM & OIL, INC.
828 SYMES BLDG.
DENVER 2, COLORADO

UNION GOLD MINE LETTERS 1.

2

Feby 26. 1888. T.A.

Belknap knew nothing about it. This puts our Mill suit in a hopeless position & renders our general position infinitely worse. To continue, — Mr R. R. on continuing that conversation got the old man to consent to sell this outside land (400 acres, + 2 additional quartz mines) with the extension both north & south of our lode, for $100 000 — such purchase to end all litigation & satisfy all Rathgeb's claims. An agreement was made to meet in San Francisco on the 20th. The latest news for Mr R. R. was to the effect that nothing definitely had been settled, but that the lawsuits were postponed until April 20th — probably to enable communication with London re purchase of these outside lands.

The Mill started up on Friday morning. It is too early to say much about the grade of the ore. Meanwhile we have during February found about $3000 of gold on the crosscut. I prefer waiting a day or two before writing about mine developments as the crosscut into the hanging at the 350 has got into an extremely hard dark rock, showing a little quartz & pyrites; when first struck quite a stream of water came out of the drill holes, I hope to get on on the other side of the hard bar — meantime wait. I had hoped that you would be here before the middle of March so as to have a talk over the development to be carried on — Invest this funds so well — how does yr wife like Leadville — snow with you still I suppose — it is balmy here

Yrs sincerely
T. A. Rickard

The Secretary

Dear Sir

Enclosed please find report for February.
It may be interesting to the directors to know that our gold here is associated with one of the rarer metals – Uranium. The richest benches of gold generally show small quantities of pitch-blende (oxide of Uranium) and Uranium ochre (a sulphate of the same metal) This is the only known occurrence in California. You perhaps know that Uranium is used in the arts as a fire proof pigment for making the inscriptions &c of stained glass windows. &c.

Mr R Rickard informed me of the cablegram sent to you. I can only express my strong concurrence with the steps he has taken in the matter and believe that the purchase of the outside lands is the only method of getting rid of our troubles with Rathgeb.

I will write concerning the Mill run when our first partial clean up has been made.

Yours faithfully

J. Arthur Rickard
Mgr

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LEASE AGREEMENT

This agreement made this 22 day of November, 1954, between Capitol Uranium Company, a corporation, hereinafter called Lessor, and Uravan Uranium and Oil Incorporated, hereinafter called Lessee, WITNESSETH:

Lessor hereby leases to Lessee Uranium mining claims described as follows:

Uranium mining claims situated in the Monticello Mining District, San Juan County, Utah, as the same are surveyed, located, staked and filed of record, to -wit:

Rusty Can Claims numbered 4, 5, 6 and 7.

upon the following terms and conditions:-

1. This lease shall commence on the date of its execution and shall continue in full force and effect until terminated by mutual agreement of the parties, by breach of any material term or condition of the lease, or by depletion of ore to a point where profitable mining operations are not possible.

2. In the event of a breach of any material term or condition by the lessee the lessor may give the lessee ten days written notice to vacate said premises, and the said lessee shall promptly so vacate and shall promptly remove its equipment from said premises.

3. Lessee shall commence actual mining and extraction or ore within 30 days from the date of this lease and thereafter agrees to work and mine said premises steadily and continuously during the period of this lease and in doing said work to perform at least 75 man shifts each thirty days when averaged each sixty days.

4. Lessee shall comply with all laws, rules and regulations imposed by lawful authority which are applicable to such mining operations, and shall perform all such mining operations in a prudent workmanlike manner, and work the same in mine fashion in a manner necessary to good and economical mining so as to take

PALMER & PALMER
ATTORNEYS AT LAW
P.O. BOX 566
FARMINGTON, N.M.

out the greatest amount of ore possible with due regard to the development and preservation of said mine and premises as a workable mining property.

5. Lessee shall promptly pay all bills and expenses incurred by them and by said prompt payment prevent the filing of any and all liens of miners, mechanics or materialmen against said leased premises, and lessee shall post adequate notices to the effect that Capitol Uranium Company is not responsible for any indebtedness incurred in said mining operations.

6. Time is of the essence of this agreement and all covenants and conditions contained herein, expressed or implied, shall extend to and be binding upon the heirs, administrators, successors and lawful assigns of all of the parties hereto.

7. This lease shall not be assigned, transferred or sub-leased by the lessee without the prior written consent of the lessor.

8. As rentals, lessee shall pay to lessor twelve and one-half (12½%) per cent gross or mill returns from all ore produced from said claims, including development allowances and premium payments, and twelve and one-half (12½%) per cent of any initial production bonus, less twelve and one-half (12½) per cent of all actual, reasonably necessary hauling expenses in excess of that which is allowed by any governmental agency.

9. It is understood that in the event a bonus payment to any one lessee of the Capitol Uranium Corporation in a group of claims worked by different lessees, that each lessee in the particular bonus area will equitably share in said bonus payment.

10. Lessee shall carry all liability and compensation insurance required in said operations in its own name, and such insurance policies will be subject to the lessors inspection and approval, should the latter so elect to examine the same.

11. It is understood and agreed that all ore mined or

FALCHER & FALCHER
ATTORNEYS AT LAW

shipped from the mining property covered by this lease, shall be delivered by the lessee to the mill in the name of the Capitol Uranium Company, and under the latter's license number of P-1599, and that all payments for such ore will be made to the lessor at its office in Farmington, New Mexico.

12. The lessor agrees to forward to the lessee the said lessee's proper part of each ore shipment at intervals of every thirty (30) days.

13. Lessor, acting through its duly authorized officers and agents, amy at any time go upon said premises to inspect said premises, or any and all operations thereon, and lessee agrees to make full disclosure to lessor of any matter, happening or event affecting said properties or the operation thereof.

14. It is understood and agreed that the lessor will not be responsible for any shipping expenses in transporting supplies or ore to or from the premises, regardless of whether such shipments provide ore payments or not.

15. As part of the consideration hereof from lessee to lessor, lessor hereby grants to lessee an option to purchase said mining claims hereby leased at any time hereafter for a period of 90 days from the date hereof for the total sum of $1,000.00 per claim or a total of $4,000.00. Lessee may exercise said option to purchase at any time during said 90 day period by giving lessor written notice of said election and paying said purchase price.

IN WITNESS WHEREOF, The parties hereto have hereunto set their hands and seals the day and year first above written.

Capitol Uranium Company

ATTEST: Warren E. Kelly
Secretary

By: T. L. Carson
Its (Vice) President
Lessor

Uravan Uranium and Oil Incorporated

ATTEST: Joseph R. Gentile
Secretary.

By: [illegible]
Its (Vice) President.
Lessee.

PALMER & PALMER
ATTORNEYS AT LAW
P.O. BOX 500
FARMINGTON, N. M.

STATE OF CALIFORNIA :
: SS
COUNTY OF LOS ANGELES:

On this 22 day of November 1954, before me appeared JULES J. SATIN to me personally known, who, being by me duly sworn, did say that he is the Vice-President of the Uravan Uranium and Oil Incorporated, a corporation organized under the laws of the State of Colorado and that the seal affixed to the foregoing instrument is the corporate seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors and said Jules J. Satin acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal.

Rose Wasserman
Notary Public.
My commission expires Jan. 1, 1957.

STATE OF NEW MEXICO :
: SS
COUNTY OF SAN JUAN :

On this 17th day of November 1954, before me appeared Fred Carson to me personally known, who, being by me duly sworn, did say that he is the President of Capitol Uranium Company, a corporation organized under the laws of the State of Colorado, and that the seal affixed to the foregoing instrument is the corporate seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said Fred Carson acknowledged said instrument to be the free act and deed of said corporation.

WITNESS my hand and official seal.

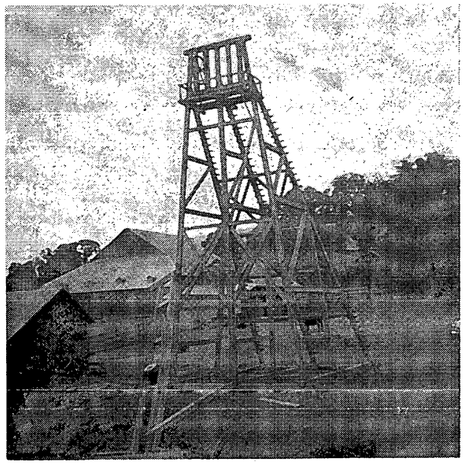
MY COMMISSION EXPIRES NOV. 28, 1956

Notary Public.

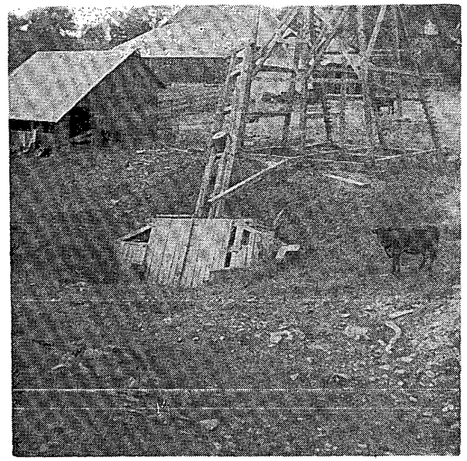
PALMER & PALMER
ATTORNEYS AT LAW
FARMINGTON, N. M.

URAVAN URANIUM & OIL, INC.
828 SYMES BLDG.
DENVER 2, COLORADO

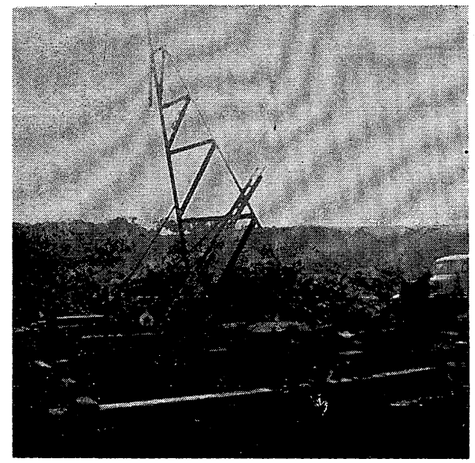
VIEWS OF PROGRESS BEING MADE ON THE JOHN GUTTINGER RANCH (UNION MINE) LOCATED IN CALAVERAS COUNTY, CALIF., AT THE FOOTHILLS OF THE SIERRA NEVADA MOUNTAINS



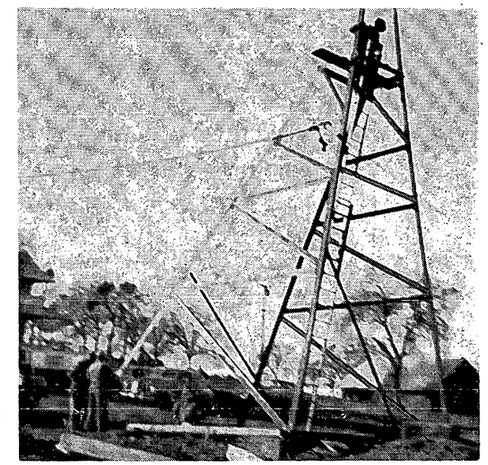
Picture above shows old head frame on John Guttinger Ranch (Union Mine) before removal.



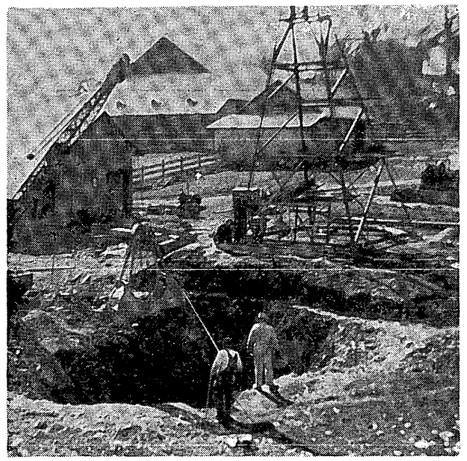
A view of the old caved in Union Mine.



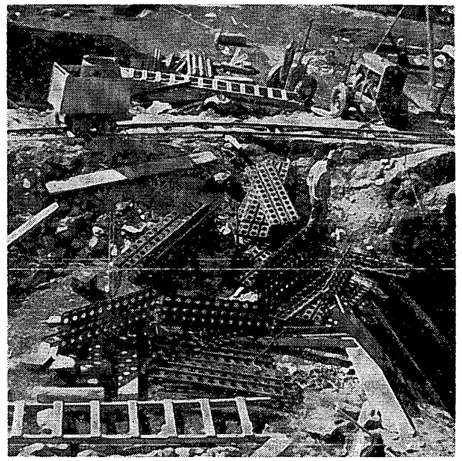
Installing a new head frame on Union Mine.



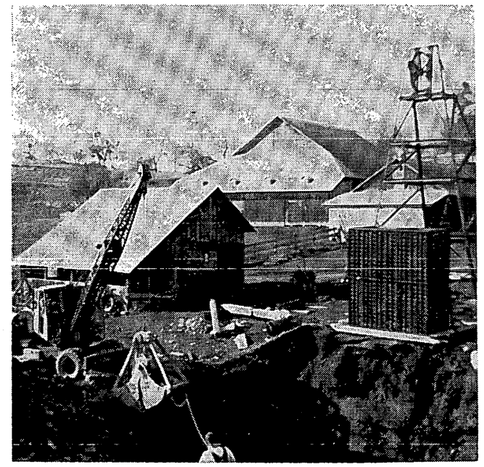
Completing the installation of new head frame.



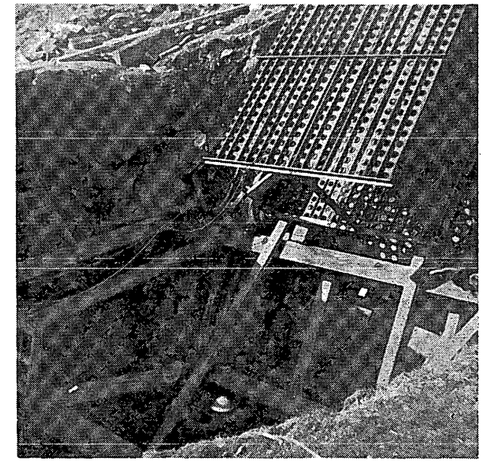
Cleaning out the old surface installations at Union Mine.



Steel for first section of all steel shaft ready to be welded together.



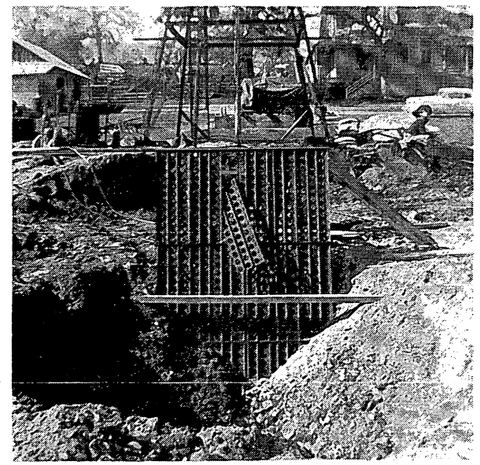
First section of all steel shaft ready to be lowered into mine.



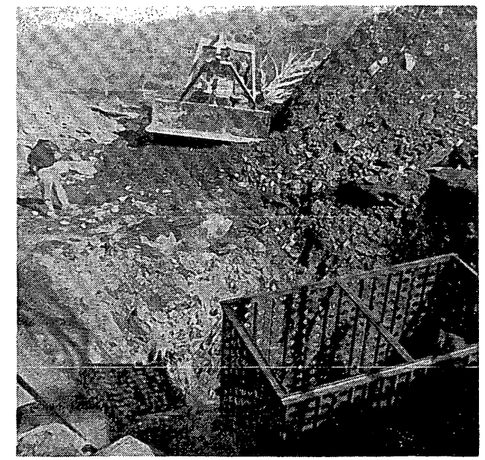
Due to heavy ground, support timbering had to be done so as not to lose the shaft.

Sixth section being welded together to shaft.

Seventh section being welded together to shaft and support timbering conmmenced to be removed.



Eighth and final surface shaft being welded together preparatory to being filled around with muck.

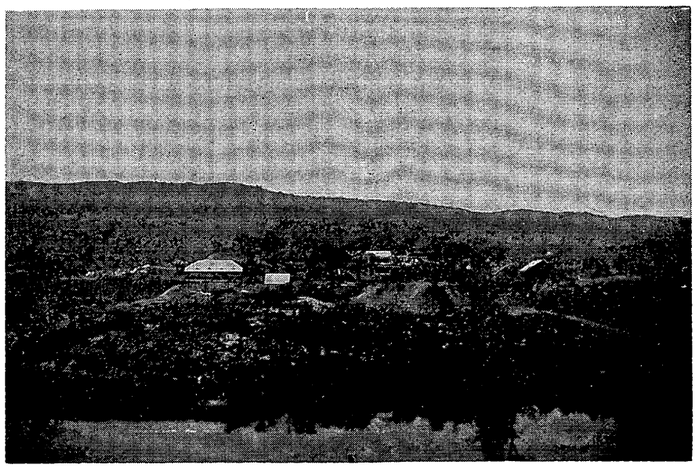


Caterpillar tractor moving earth to cover up the shaft.

Shaft showing at surface and ready to start digging out muck at the bottom of the shaft.

First bucket of muck coming out of the Union Mine and ready to be dumped into ore car.

A picture of J. J. Satin, executive secretary, Uravan Uranium and Oil, who is watching the developments at the Union Mine.



A bird's eye view of the John Guttinger Ranch (Union Mine) with the Sierra Nevada Mountains in the background.

RECEIVED
OCT 3 - 1955

Uravan Uranium and Oil Inc.

PHILLIP J. GENTILE
President

A COLORADO CORPORATION
Business and Transfer Office
828 Symes Building
Telephone MA 3-5101
Denver 2, Colorado

PRESIDENT'S FIRST REPORT ON OPERATIONS

To: Uravan Uranium and Oil Inc., Shareholders:

John Guttinger Ranch (Union Mine) Test

March 31, 1955

Your president takes great pleasure in reporting to you at this time. It is a joy indeed to announce the progress of current operations on Uravan Uranium's John Guttinger Ranch (Union Mine) property, located in Calaveras County, California.

The John Guttinger Ranch operation has been extensively and efficiently equipped. Pictures on the inside pages of this report will aid you in visualizing the progress of this development. The property has been equipped by Uravan Uranium and Oil Inc., with most mining machinery and accessories incident to speedy and efficient operation. The equipment includes a Denver powered hoist; a self-contained gasoline powered unit for the hoist, a new steel gallows (head) frame has been installed; a jeep has been purchased; we have also purchased a self-contained GMC supply truck, which has on it a LeRoy 105 compressor with air hammers and hoses, drilling steel, etc. We have also purchased an ore car.

An all steel shaft has been built down to the 60′ level and we are driving for the 120′ level. We are making good steady progress on sinking the shaft and expect to be at the 120′ level within 60 days. As you may very well recall, uranium has been discovered in this mine in 1888 at the 350′ level. However, we do not expect to have to place a steel shaft all the way down to the 350′ level, as we feel that we will hit water at the 120′ level, and after we pump out the water, the shaft should become quartz and could possibly be used without having to have lagging.

Rusty Can Claims

Uravan Uranium and Oil Inc., is pleased to announce that all engineering work has been done on Rusty Can Claims, located at San Juan County, Utah, and paid for. We acquired these 80 acres from the Capitol Uranium Company, of Farmington, New Mexico. Uravan Uranium and Oil are going to drill this property on the royalty basis with Capitol Uranium Co. At this time we are negotiating to purchase a drill to be mounted on a four-wheel-drive truck and as soon as the drill and truck have been purchased and assembled, we shall move this equipment to San Juan, Utah, and commence operations. Uravan Uranium and Oil is a minority stockholder of Capitol Uranium Company. It shall be the policy of Uravan Uranium and Oil to keep all interested parties advised as to progress being made.

To me the future of our Company looks very bright. With any luck at all, we should become a producing company in a not too distant future.

Very sincerely yours,

Phillip J. Gentile,
President.

1955

INDEXED

Recorded at the Request of
Uravan Uranium & Oil Inc
Nov 19 1954
at 5 5 minutes past 3
o'clock P. M. in Book 85
of Official Records page 445 et seq.
Calaveras County Records
W. L. Dewell Clerk Recorder
By Minnie Churchman Deputy
Fee $ 6 30

MINING AND OIL LEASE

JOHN GUTTINGER,
Lessor

PHILLIP J. GENTILE with
URAVAN URANIUM & OIL INC.,
Lessees

November ____, 1954

JONES, LANE, WEAVER & DALEY
ATTORNEYS AT LAW
351 WILKOIT BUILDING
STOCKTON 2, CALIFORNIA

URAVAN URANIUM & OIL, INC.
828 STATES BLDG.
DENVER 2, COLORADO

MINING AND OIL LEASE

THIS AGREEMENT OF LEASE, entered into this 19th day of November, 1954, by and between JOHN GUTTINGER, hereinafter referred to as "Lessor" and PHILLIP J. GENTILE, individually, jointly and severally with the URAVAN URANIUM & OIL INC., a corporation, hereinafter referred to as "Lessees;"

W I T N E S S E T H :

That in consideration of the mutual covenants and conditions hereinafter contained, it is hereby agreed as follows:

GENERAL TERMS

1. Lessor hereby leases to Lessees, and Lessees hereby hire from Lessor, all of the mineral, oil, gas and hydrocarbon rights owned by Lessor in the following described real property, lying and being in the County of Calaveras, State of California:

(a) The West half of the Northeast quarter of the Northeast quarter (sometimes designated West half of Lot One) of Section Three, Township Three North, Range Twelve East, Mount Diablo Base and Meridian, containing 21.31 acres, more or less.

(b) Lots Seven, Eight and Ten, and the Southeast quarter of the Southeast quarter of Section Four, Township Three North, Range Twelve East, Mount Diablo Base and Meridian, containing 87.41 acres, more or less.
SAVE AND EXCEPTING therefrom, a certain fractional portion of the Southeast quarter of the Southeast quarter of said Section Four, containing 4.85 acres, more or less, conveyed by John Rathgeb, Sr. to Hannah N. Wiley, by deed dated March 28th, 1888, and recorded April 2nd, 1888, in Book 15 of Deeds, at page 507 et seq., Calaveras County Records.

(c) Lots Two, Three, Four and Five, the Southwest quarter of the Northeast quarter and the West half of the Southeast quarter of the Northeast quarter of Section Three, Township Three North, Range Twelve East, Mount Diablo Base and Meridian, containing 204.64 acres, more or less.

(d) The South half of the Southeast quarter and the Southwest quarter of Section Thirty-four, Township Four North, Range Twelve East, Mount Diablo Base and Meridian, containing 240 acres, more or less.
SAVE AND EXCEPTING therefrom, all mineral rights presently owned by San Andreas Town Hall Association, a California corporation, and Memory Joughlin, as disclosed by the public records of Calaveras County, California.

(e) The Alabama Placer Mine, described as the Southeast quarter of the Southwest quarter of Section Twenty-eight

Township Four North, Range Twelve East, Mount Diablo Base and Meridian, containing 40 acres, more or less, and being the same mining claim and premises conveyed by the United States to John Rathgeb, Jr., by patent dated August 31st, 1880, and recorded August 25th, 1885, in Book 1 of Patents, at page 442, Calaveras County Records.

(f) Cordova Mine (commonly known as the Union Gold Bearing Quartz Mine), designated by the Surveyor General as Lot No. 40, embracing a portion of Section Thirty-three, Township Four North, Range Twelve East, Mount Diablo Base and Meridian, containing 27.39 acres, more or less, and being the same mining claim and premises conveyed by the United States to Nathaniel Heath, by patent dated April 20th, 1878, and recorded January 31st, 1880, in Book 3 of Deeds, at page 187, Calaveras County Records.

(g) Lot One of Section Four, Township Three, North, Range Twelve East, Mount Diablo Base and Meridian, containing 42.95 acres, more or less.

(h) Lots Three, Four, Five, Six, Seven, Eight, Nine and Ten, and the Northwest quarter of the Northeast quarter of Section Thirty-three, Township Four North, Range Twelve East, Mount Diablo Base and Meridian, containing 251.12 acres, more or less.

(i) Lots One and Two of Section Thirty-three, Township Four North, Range Twelve East, Mount Diablo Base and Meridian, containing 75.60 acres, more or less.

SAVE AND EXCEPTING therefrom, those certain fractional portions thereof described as follows: Commencing at the Northeast corner of said Section Thirty-three; thence running Westerly along the Northern boundary line thereof, 15.52½ chains; thence Southerly on a line parallel with the Eastern boundary line of said section, to the Southern boundary line of said Lot Two thereof; thence Easterly along said Southerly boundary line of said Lot Two thereof, 15.52½ chains to the boundary line between Sections Thirty-three and Thirty-four; thence Northerly along the Easterly boundary line of said Lots One and Two to the point of commencement.

(j) Lots Five and Six and the Northwest quarter of the Southwest quarter of Section Twenty-eight, Township Four North, Range Twelve East, Mount Diablo Base and Meridian, containing 72.45 acres, more or less.

(k) The North half of the Northwest quarter, the Southwest quarter of the Northwest quarter and the Northeast quarter of the Southwest quarter of Section Thirty-three, Township Four North, Range Twelve East, Mount Diablo Base and Meridian, containing 160 acres, more or less.

(l) Burgess Quartz Lode Mining Claim, designated by the Surveyor General as Lot No. 38, embracing a portion of Sections Three and Four, Township Three North, Range Twelve East, Mount Diablo Base and Meridian, containing 45.66 acres, more or less, and being the same mining claim

and premises conveyed by the United States to John Rathgeb, Sr. and John Rathgeb, Jr., by patent dated April 18th, 1890, and recorded October 24th, 1892, in Book 2 of Patents, at page 608, Calaveras County Records.

(m) Pedro Quartz Lode Mining Claim, designated by the Surveyor General as Lot No. 42, embracing a portion of Section Four, Township Three North, Range Twelve East, Mount Diablo Base and Meridian, containing 12.38 acres, more or less, and being the same mining claim and premises conveyed by the United States to John Rathgeb, Sr. and John Rathgeb, Jr., by patent dated March 13th, 1890, and recorded March 7th, 1890, in Book 2 of Patents, at page 237, Calaveras County Records.

(n) Lots Eight, Nine, Ten, Thirteen and Fourteen of Section Three, Township Three North, Range Twelve East, Mount Diablo Base and Meridian, containing 92.62 acres, more or less.

(o) Portion of the Northwest quarter of the Southeast quarter of Section Three, Township Three North, Range Twelve East, Mount Diablo Base and Meridian, lying West of the board and wire fence, as described in Book 14 of Deeds, at page 30, Calaveras County Records.

(p) Piece of land commencing at the Northeast corner of Section Nine, Township Three North, Range Twelve East, Mount Diablo Base and Meridian; thence N. 89° 30' W. 5.65 chains to corner in San Antone Creek; thence S. 25½° E. 5.86 chains; thence N. 88-3/4° E. 3.07 chains to stake on section line between Sections Nine and Ten; thence 5 chains to the point of beginning, and containing 2.20 acres, more or less, together with the right to construct a wing dam across said San Antone Creek, conveyed by John Wiley and Hannah N. Wiley, his wife, to John N. Rathgeb, Sr., by deed dated March 28th, 1888, and recorded April 2nd, 1888, in Book 15 of Deeds, at page 505 et seq., Calaveras County Records.

(q) Frazier Placer Mining Claim, described as the Southeast quarter of the Northwest quarter of Section Three, Township Three North, Range Twelve East, Mount Diablo Base and Meridian, containing 40 acres, more or less, and being the same mining claim and premises conveyed by the United States to Elihu B. Frazier and Sherman T. Frazier, by patent dated April 8th, 1890, and recorded October 24th, 1892, in Book 2 of Patents, at page 610, Calaveras County Records.

SAVE AND EXCEPTING from the parcels of land above described, those three certain parcels of land containing 10.32 acres, more or less, together with certain rights therein set forth, conveyed by Albert Guttinger to Calaveras Cement Company, a Delaware corporation, by deed dated July 22nd, 1935, and recorded July 24th, 1935, in Book 92 of Deeds, at page 246 et seq., Calaveras County Records, reference to the record of said deed being hereby made for full particulars.

2. The term of this lease is for One (1) Year from the date of execution hereof, upon the condition subsequent that if the Lessees do not commence oil and gas drilling operations, or in the alternative, mining operations, as hereinafter specified, within Sixty (60) days from the date of the execution of this lease, said lease shall cease and determine at the end of such sixty day period, and Lessor shall have the right to record the Quit Claim Deed executed contemporaneously herewith as an exercise of his right of forfeiture.

3. The rental payable to Lessor for said One (1) Year term shall be the sum of Thirteen Hundred Dollars ($1300.00) and shall become due and payable on the 20th day of May, 1955, provided that said lease does not earlier cease and determine for failure of Lessees to comply with the condition expressed in Paragraph 2 hereof.

4. If Lessees are not in default, they shall have the option to renew said lease upon the same terms and conditions for a Five (5) Year term, except that, the rental for said new term shall be the sum of Three Thousand Six Hundred Dollars ($3,600.00) per year, with the first year's rental due and payable on the 20th day of November, 1955. The annual rental for each following year of the term shall be due and payable in advance on the 20th day of November, of each succeeding year of said term. Said option must be exercised by written notice to Lessor given Sixty (60) Days before the expiration of the original term.

5. At the end of the renewal term, if Lessees are not in default, they shall have the further option to renew said lease upon the same terms and conditions of the renewal term for a term to extend so long as minerals, oil, or hydrocarbon substances are produced from said land by Lessees in commercial quality and quantity so as to warrant a profitable enterprise. Said option must be excerised by written notice to Lessor given Sixty (60) Days before the expiration of the Five (5) Year renewal term.

6. In such years as the royalty payments, as hereinafter provided, exceed the minimum annual rental for the term, or renewal terms, Lessees shall be entitled to a credit against Lessors royalty payments for the amount of rental so paid, but the possible future accrual of royalties shall in no event excuse Lessees from paying the minimum rentals due pursuant to the provisions of this lease, or any extension thereof.

7. Contemporaneously with the execution of this lease, Lessees shall execute a Quit Claim Deed to Lessor of all of the right, title and interest leased to them, pursuant to the terms hereof, and shall deposit said Quit Claim Deed in escrow with Jones, Lane, Weaver and Daley, Attorneys at Law, 351 Wilhoit Building, Stockton, California. In the event that Lessees fail to comply with the condition expressed in Paragraph 2, hereof, Lessor shall have the immediate right to have said Quit Claim Deed recorded, and to clear the title to his land from any interest transferred under this lease. In the event Lessees breach any other covenant or condition of this lease, including the covenants to pay rent when due, Lessor may give Lessees Ten (10) Days written notice of such breach, and in the event that such breach is not corrected within said Ten (10) Days time, then Lessor shall have the right to record said Quit Claim Deed. Lessor shall also have the right to record said Quit Claim Deed whenever the term, or any of the renewal terms, as herein provided, expire. Whenever, and in any event, Lessor records said Quit Claim Deed in compliance with the terms hereof, all of Lessees' right, title and interest in said land shall cease and determine, and Lessor shall have the right to re-enter and remove Lessees, all persons claiming under Lessees, and all property and equipment of Lessees from said land.

8. For the purpose of notice, Lessor's address shall be Box 96, San Andreas, California, and Lessees' address shall be 718 Symes Building, Denver 2, Colorado. Any notice sent by United

States Registered Mail, Return Receipt Requested for which a Return Receipt is received, shall be deemed to be sufficient notice under the terms of this lease.

9. Lessor shall have the right to inspect the excavations, equipment and works of the Lessees at all reasonable times, either in person or by agent. Lessees agree to keep books and records which will correctly and adequately indicate the amount of their production, and the amount due to Lessor for royalties, and to keep such books available for Lessor's inspection at all reasonable times. Current and true copies of said books and records are agreed to be made available to Lessor upon his request at a place in the State of California convenient to him.

10. Upon the termination of this lease for any reason, Lessees shall have a reasonable time to remove their personal property and equipment from the real property owned by Lessor, and any equipment or personal property left on said real property after the expiration of such reasonable time shall belong to Lessor.

11. Lessees agree to indemnify and hold Lessor harmless from all liability for damage to the person or property of Lessees, their agents or employees, or to third persons, that may be caused directly or indirectly by the activities of Lessees on said land, and Lessees further agree to maintain adequate liability and compensation insurance to compensate for any damage or injury that may be done by their activities on said real property.

12. Lessees further agree to compensate Lessor in full for any damage which may be done to Lessor, his family, tenants, agents, licensees, or employees, or to the balance of real or personal property owned by him, caused by the activities of Lessees, their agents, employees, or associates, other than such damage as reasonably and customarily would arise from mining and drilling activities, similar to those in which Lessees engage, and further, that Lessees agree to maintain adequate fire, casualty and liability for the

compensation to Lessor of any such damage, and to provide such policies for Lessor's inspection upon request.

13. Under this lease, the Lessor retains all rights to the use of the surface of the real property, and Lessees agree not to interfere with the peaceful enjoyment of the same or with any of the existing improvements on said real property without the written consent of Lessor.

14. Lessees shall pay all taxes levied against their improvements on said land. Lessor shall pay the portion corresponding to his One-Eighth (1/8) share of royalty and Lessees shall pay the remaining portion of any and all taxes assessed upon the mineral rights in said land and all severance, production and license taxes, or other taxes or assessments levied or assessed on account of the production of minerals or hydrocarbon substances from said land.

15. Lessees shall pay all rents and royalties payable hereunder by mailing or delivering a check therefor drawn to Lessor to the Bank of America, Angels Camp Branch, Angels Camp, California, for Lessor's account, until further written notice.

16. Lessor reserves the right to occupy said land or to cultivate and use such portion thereof not at the time being used or occupied by Lessees, in every respect not inconsistent with, but subject to the use thereof by Lessees for the purposes herein specified.

17. Lessees' rights under this lease shall not be assignable, nor capable of sublease, without the written consent of Lessor, nor shall such rights be transferable by operation of law. Any attempted assignment, and any transfer by operation of law, shall have the immediate effect of terminating this lease. Should Lessees, or either of them become a voluntary or involuntary bankrupt, or enter, or be placed in bankruptcy, or a bankruptcy arrangement, or enter into a combination or assignment for the benefit of their creditors, this lease shall immediately cease and determine.

18. The conditions and covenants hereof shall be binding

upon and inure to the benefit of the heirs and assigns of the Lessor, and, with the Lessor's consent, shall be binding upon and inure to the benefit of the heirs and assigns of Lessees.

OIL AND HYDROCARBON PROVISIONS

19. Lessees shall have the sole and exclusive right of exploring said land and drilling for, producing, extracting, treating, removing and marketing oil, gas, and other hydrocarbon substances therefrom, and to establish and maintain on said land such tanks, boilers, houses, engines and other apparatus and equipment, and roads, pipe lines, telephone, telegraph and power lines, which may be necessary in the production, treatment, storage, or transportation of any and all of said products from and on said land. Lessees shall have the right to drill for and develop such water on said land as they may require in their operations, but in no event, in a manner that will disturb or diminish Lessor's necessary water sources. All of such improvements, including the construction and operation of roads to be used by Lessees for any purpose, including their mining operations, shall be at Lessees' sole cost and expense.

20. It is agreed that under the condition specified in Paragraph 2 of this lease that the Lessees are to commence the drilling of an oil or gas well, or, in the alternative, mining operations as hereinafter specified in Paragraph 27, within Sixty (60) Days from the execution of this agreement. If Lessees elect to commence operations for the drilling of an oil or gas well, it shall be commenced within said Sixty (60) Day period, and Lessees shall thereafter diligently prosecute such operations and the drilling of such well to completion, that is, until oil or gas is found in paying quantities and such well is put upon production, or until Lessees deem further drilling unprofitable or impracticable. Thereafter, except as hereinafter provided, Lessees shall keep one string of tools in continuous operation on said land, allowing not more than Ninety (90) Days to

elapse between the completion of one well and the commencement of operations for the drilling of the next succeeding well until there shall have been completed a sufficient number of wells to bring the land into full production according to good engineering practices.

21. Should Lessees drill a dry hole or holes on said land prior to the discovery of oil or gas in paying quantities thereof, then Lessees shall not be required to commence or conduct further drilling operations on said land during the unexpired portion of this lease, provided that Lessees make payment of the rentals in the manner and amount as hereinabove provided.

22. In the event that, at any time, gas in marketable quantity is discovered in any well drilled by Lessees on said land, then, if and so long as oil in paying quantities has not been discovered thereon, Lessees shall be obligated to drill additional wells, and shall keep one string of tools in continuous operation on said land, allowing not more than Ninety (90) Days to elapse between the completion of one well and the commencement of operations for the drilling of the next succeeding well until there shall have been completed a sufficient number of gas wells to bring the land into full production, according to good engineering practices. Such gas produced shall be marketed by Lessees as long as there is an available market therefor.

23. Upon request from Lessor, Lessees shall furnish Lessor a copy of the log of any well drilled on said land, and upon similar request, Lessees shall bury their pipe lines below plow depth. Lessees shall not, at any time, drill any well nearer than two hundred (200') feet from any principal building now on said land, nor any spring or existing water well, without the written consent of Lessor.

24. Lessor's royalty share from all hydrocarbon substances produced from said land shall be One-Eighth (1/8) of such production, and Lessees shall pay to Lessor the market price of Lessor's royalty share of all hydrocarbon substances produced and sold by Lessees

from said land, which market price it is hereby agreed shall be the published offered price by the major oil producing and purchasing companies for hydrocarbon substances of like quality and gravity, at the well in the district in which said land is located, on date of delivery of the oil from Lessees' tanks. In the event that the hydrocarbon substance requires treatment or dehydration to render it marketable, Lessees are hereby authorized to deduct from the amount due Lessor, Lessor's proportion of the cost of such treating or dehydrating. Royalty shall be based on net quantity after making customary deductions for temperature, water, sand and other foreign substances.

Lessees shall keep true and correct books of account, showing the production from said land, and Lessees shall furnish to Lessor monthly written statements of such production. Settlement for all such royalties shall be made by Lessees to Lessor on or before the 15th day of each month for royalties accruing during the preceding calendar month.

25. Lessees agree to fence all sump holes and excavations so that they will be safe for persons and livestock. Upon the cessation of drilling activities or hydrocarbon production, or upon the termination of this lease, for any reason, whichever may first occur, Lessees agree to return the land to the same condition that it was in at the time of the execution of this lease, normal wear and erosion excepted.

MINING PROVISIONS

26. For the duration of this lease, Lessees shall have the sole and exclusive right of exploring said land and mining for, producing, extracting, treating, removing and marketing fissionable materials, gold, silver, and for any and all other metalic substances or ores, with the right to use so much of the surface of said land as may be properly needed to successfully conduct said exploratory and mining operations; and also rights of way as required over and

across said land whereon to construct and operate such roadways and pipelines as are necessary for such purposes, and the further right to erect buildings, derricks, and pumping plants for the purpose of boring, prospecting, mining, and prosecuting the object of this lease, with the right to remove any and all of said buildings, refineries, concentrating mills, machinery, and pipelines, at any time or at the expiration of this lease.

27. It is agreed that under the condition specified in Paragraph 2 of this lease, that the Lessees are to commence the drilling of an oil or gas well, as specified in Paragraph 20, or, in the alternative, mining operations as herein specified within Sixty (60) Days from the execution of this agreement. If Lessees elect to commence such mining operations they shall be commenced within said Sixty (60) Day period and shall consist of at least One (1) Eight (8) Hour shift of Two (2) men per Five (5) Day week, and shall continue until minerals are discovered in commercial quantity, or until such time as said land is completely explored and it reasonably appears that mining production in commercial quantities is not feasible.

28. In the event that minerals are discovered in a commercial quantity, Lessees agree to open, use and work a mine or mines in the usual and customary manner and in as skillful a manner as mining operations of similar character are carried on, and to continue the operation of such mine or mines so long as minerals are produced in commercial quantities.

29. As a royalty for all ore and minerals extracted from the premises, Lessees agree to pay to Lessor One-Eighth (1/8) of the net mill returns, and in addition thereto, Fifty (50%) percent of all lode pockets discovered and extracted and Fifty (50%) percent of any government bonus received for the discovery or production of fissionable materials.

Such royalty shall be due and paid on or before the 15th day of the month following that in which the mineral is shipped from

said land. At the time of making each payment of royalty, the Lessees shall transmit to the Lessor an exact statement of the amount of ore shipped from said land and the price received for the period for which the royalty is then paid.

30. Lessees agree not to conduct any mining activities within two hundred (200') feet of any existing well or spring, or any existing major building on said land, without Lessor's consent in writing.

31. Lessees agree not to unduly interfere with the peaceful enjoyment of the surface of said land during any exploration and mining activities, and to place mine tailings and debris from their operations in places designated by the Lessor from time to time. Any excavation no longer in use shall be filled by Lessees where practicable, and where not practicable, shall be fenced in a manner so as not to expose persons or livestock to hazard.

32. Lessees agree to notify Lessor of all mineral discoveries upon request and to provide samples and copies of analysis reports to Lessor, and further to provide Lessor with maps of all mines developed or worked, and to provide opportunities for Lessor to inspect such mines and workings should he so desire.

33. All of the mining operations, and the construction of the necessary roads, pipelines, facilities and equipment shall be at the sole expense of Lessees.

34. In connection with all of their activities performed under the provisions of this lease, whether in mining or drilling operations, Lessees agree to comply with the laws of the United States of America and the State of California, and with the rules and regulations of any regulative or administrative body that may have jurisdiction with Lessees to be solely liable and responsible for any violation of law committed by them, or for any nuisance committed by them upon the demised premises.

35. The Lessees herein agree that they are jointly and severally liable under the terms of this lease.

IN WITNESS WHEREOF, the parties have executed this agreement on the date above appearing.

John Guttinger,
Lessor

URAVAN URANIUM & OIL, INC.,
a corporation,
Lessee

By: _____
Its

By: _____
Its

Phillip J. Gentile,
Lessee.

STATE OF CALIFORNIA,
County of San Joaquin, } ss.

On this 19th day of November, in the year of our Lord one thousand nine hundred and fi ty-four before me, the undersigned, a Notary Public in and for said County and State, es ing therein, duly commissioned and qualified, personally appeared PHILLIP J. GENTILE,

personally known to me to be the person described in and whose name is subscribed to the within instrument, and he acknowledged to me that he executed the same.

In Witness Whereof, I have hereunto set my hand and affixed my Official Seal at my office in the County of San Joaquin, the day and year in this certificate first above written.

Irene Ellis

Notary Public, in and for the County of San Joaquin, State of California

Quinn's, Stationers & Booksellers, 120 E. Main St., Stockton, Cal.

STATE OF CALIFORNIA,
County of San Joaquin, } ss.

On this 19th day of November, in the year of our Lord one thousand nine hundred and fifty-four before me, the undersigned, a Notary Public in and for said County and State, residing therein, duly commissioned and qualified, personally appeared JOHN GUTTINGER,

personally known to me to be the person described in and whose name is subscribed to the within instrument, and he acknowledged to me that he executed the same.

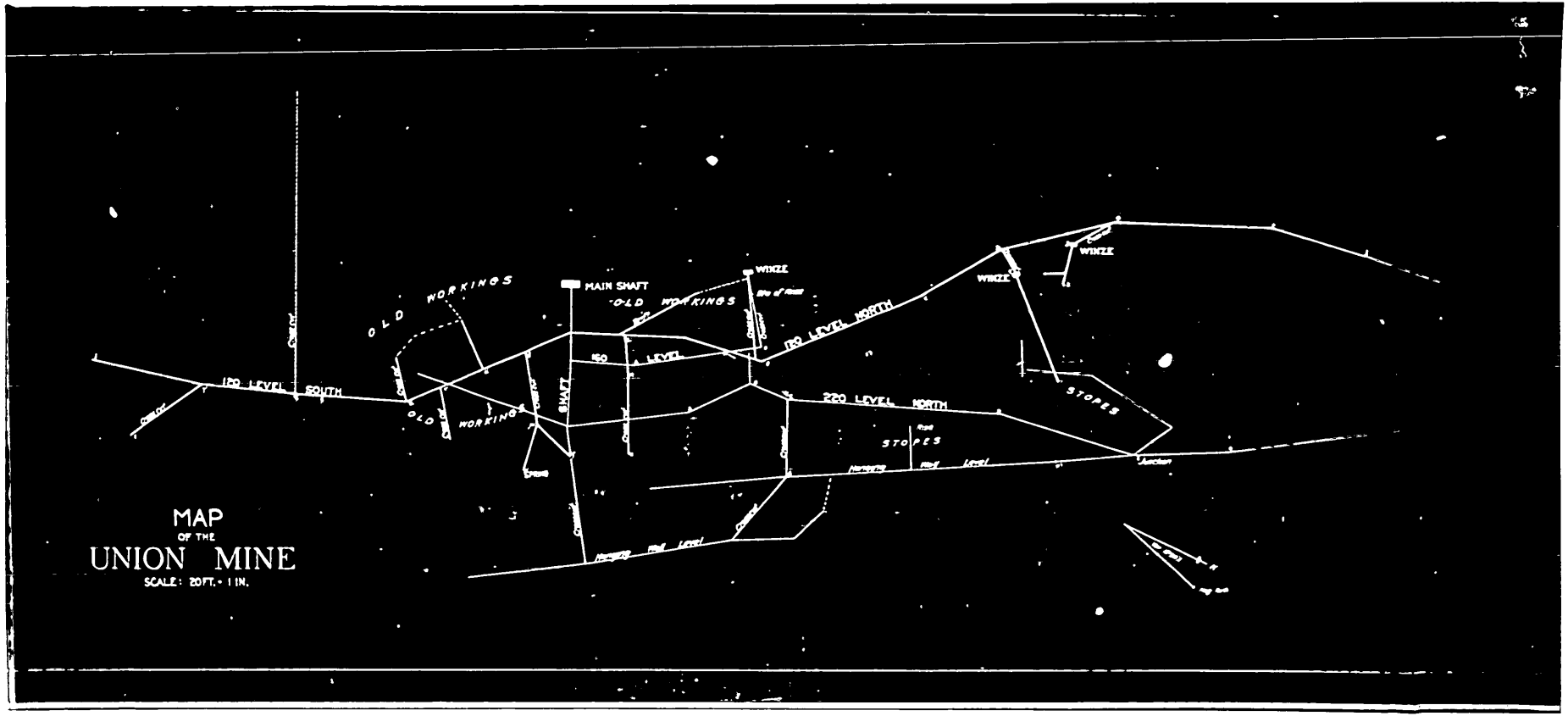
In Witness Whereof, I have hereunto set my hand and affixed my Official Seal at my office in the County of San Joaquin, the day and year in this certificate first above written.

Irene Pellam

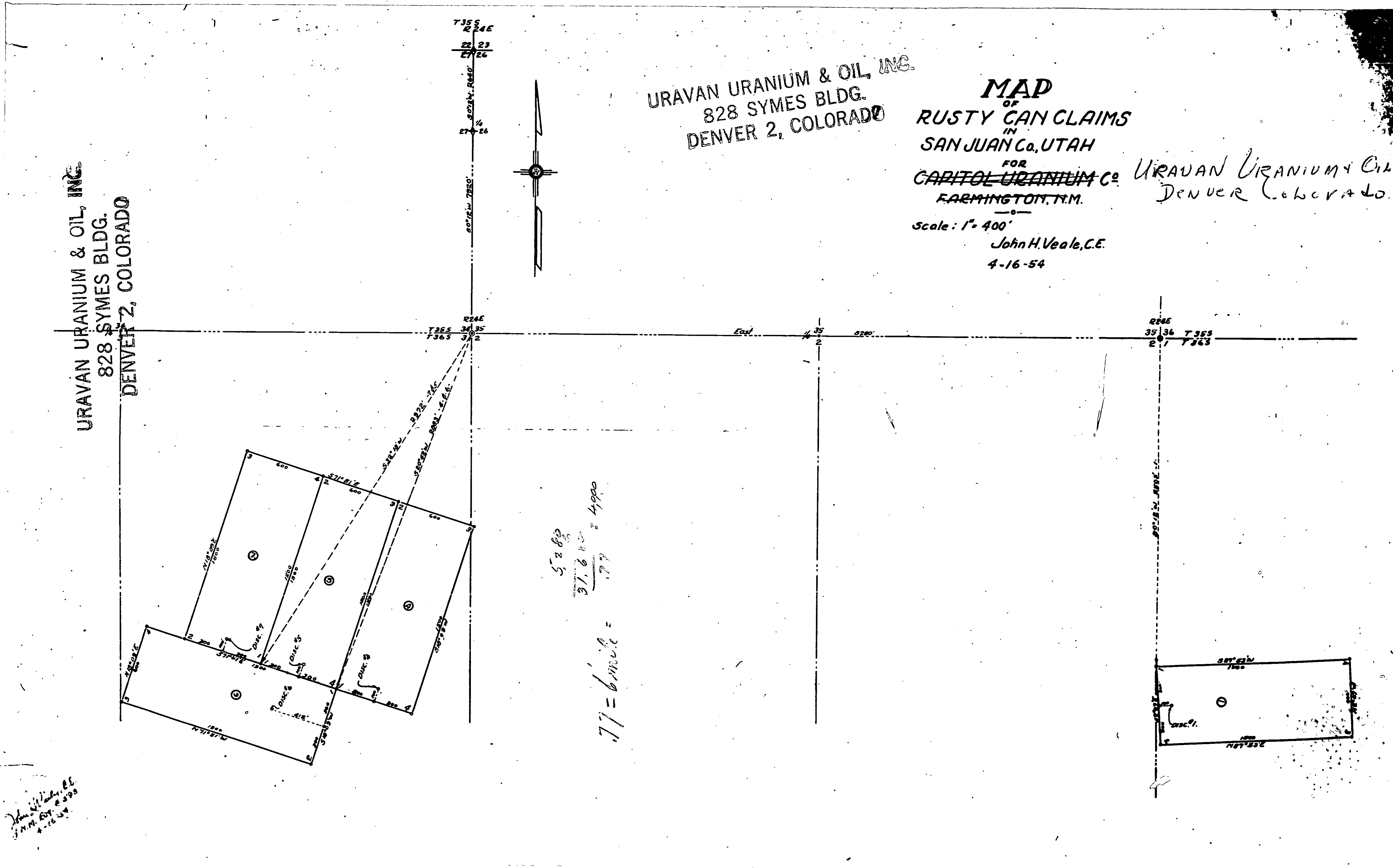
Notary Public, in and for the County of San Joaquin, State of California

ACKNOWLEDGMENT—GENERAL

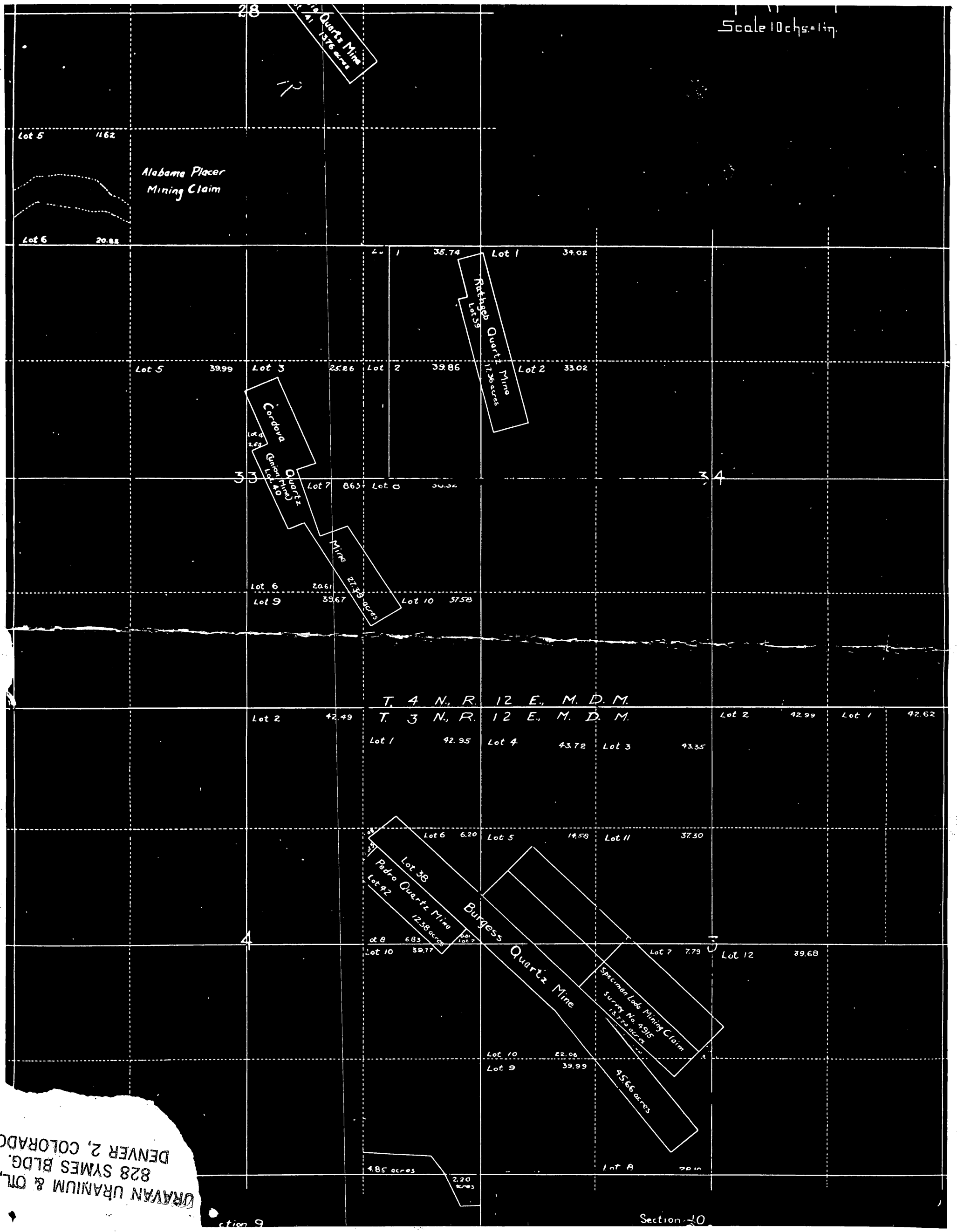
Quinn's, Stationers & Booksellers, 139 E. Main St., Stockton, Cal.


MAP
OF THE
UNION MINE
SCALE: 20FT. = 1 IN.
OLD WORKINGS
MAIN SHAFT
OLD WORKINGS
WINZE
120 LEVEL NORTH
WINZE
WINZE
160 LEVEL
120 LEVEL SOUTH
OLD WORKINGS
SHAFT
220 LEVEL NORTH
STOPES
STOPES
Junction

URAVAN URANIUM & OIL, INC.
828 SYMES BLDG.
DENVER 2, COLORADO


MAP
OF
RUSTY CAN CLAIMS
IN
SAN JUAN Co. UTAH
FOR
~~CAPITOL URANIUM~~ Co
~~FARMINGTON, N.M.~~
Uravan Uranium & Oil Inc
Denver Colorado
Scale: 1" = 400'
John H. Veale, C.E.
4-16-54
URAVAN URANIUM & OIL, INC.
828 SYMES BLDG.
DENVER 2, COLORADO
T35S
R24E
22 23
27 26
27 26
80°12'W 7920'
R24E
T35S
T36S
34 35
3 2
East
35
2
8280'
35 36
2 1
T35S
T36S
S71°51'E
600
1500
S18°09'W
N71°51'W
N18°09'E
Disc. #1
Disc. #4
Disc. #5
Disc. #6
Disc. #7
77 = 6 mile
John H. Veale, C.E.
N.M. Reg. # 593
4-16-54

URAVAN URANIUM & OIL, INC.
828 SYMES BLDG.
DENVER 2, COLORADO



URAVAN URANIUM & OIL, INC.
828 SYMES BLDG.
DENVER 2, COLORADO

URAVAN URANIUM & OIL INC.
828 SYMES BLDG.
DENVER 2, COLORADO

EXPLORERS - PRODUCERS - PROSPECTORS - DEVELOPERS OF MINERALS

URAVAN URANIUM & OIL INC.

ON THE COLORADO PLATEAU

PHILLIP J. GENTILE, PRESIDENT
MARSHALL RABINS, VICE PRESIDENT
~~XXXXXXXXXXXXXXXX~~

STATUARY OFFICE
828 SYMES BLDG.
DENVER 2, COLORADO

~~XXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXX~~

SAN ANDREAS, CALIF.

MOAB, UTAH

URAVAN, COLORADO

RECEIVED
OCT 31 1955

October 26, 1955.

United States Department of the Interior,
Defense Minerals Exploration Administration
Washington 25, D.C.

Attention: Mr. Ernest Wm. Ellis, Chief
Rare and Miscellaneous Metals Division

Re: Docket No. DMEA-3804 (Uranium)
John Guttinger Ranch
(Union, Cordova and Rathgeb Mines)
Calaveras County, San Andreas,
California.

Dear Mr. Ellis:

Refer please to our letter of September 26, enclosing our application for aid in exploration under Defense Production Act.

Will you please advise us the status of our application.

Very truly yours,

URAVAN URANIUM & OIL INC.

Phillip J. Gentile

PJG:mn

MF-120

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 11/2

REFERRED TO:

1. ~~700~~
2. ~~Mr. Murphy~~
3. ~~M&F files~~
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS: Our letter denying this application wasmailed on October 24 - probably arrived about the time this letter was mailed. gla

Check (X) before the items needing attention.

No reply necessary

ROBERT E. ADAMS

Initials of sender.

GPO 16—63815-1

Surname copy 700

Murphy
Ellis
Selfridge
Fleman

UNITED [redacted]
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
Bureau of Mines
1605 Evans Avenue
Reno, Nevada

OCT 24 1955

Re: Docket No. DMEA-3804 (Uranium)
Uravan Uranium and Oil Inc.
John Guttinger Ranch
(Union, Cordova, and Nathgeb mines)
Calaveras County, California.
Also, Rusty Can claims
San Juan County, Utah

Dear Mr. Ricker:

In reply to Mr. Ellis' letter of May 17, 1955, copies of which were forwarded to your office, the Applicant submitted a modified application to cover the above-named California property alone.

The new application has been given the original docket number. Only one copy of the exhibits pertaining to the property were submitted. These data were reviewed by the Rare and Miscellaneous Metals Division and the Commodity Analysts.

Enclosed are copies of memoranda, dated October 5 and 11, 1955, by W. P. Williams, USGS, and James Paone, USBM, respectively, relating to the application. Mr. Paone suggests that the application be held in abeyance. However, we prefer not to hold inactive dockets open for indefinite periods. Therefore, with the concurrence of the Rare and Miscellaneous Metals Division, the subject application was denied without prejudice.

For your files (Region II and Region III), we are enclosing a copy of the above-mentioned modified application and a copy of the Applicant's covering letter, dated September 26, 1955.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GHB)

Enclosures

APPROVED:

/s/ Robert W. Geehan (GHB)
Member, Bureau of Mines

Thor H. Kilsgaard (GHB)
Member, Geological Survey

Code 700
Mr. Murphy

JECrawford, Rm. 3641
THKilsgaard, Rm. 5224
JCHosted, Rm. 3210, GSA
DMEA Field Team, Region III (2)

FMMurphy/gla
10-18-55
cc to: Admr.'s Reading File
Operating Committee
Docket

P. S. This docket should be considered as transferred to and applying only to Region II for statistical purposes.

Surname copy

700

Murphy
Ellis
Kilsgaard
Guhon
Selfridge

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

OCT 24 1955

Mr. Phillip J. Gentile, President
Uravan Uranium and Oil Inc.
828 Symes Bldg.
Denver 2, Colorado

Re: Docket No. DMEA-3804 (Uranium)
John Guttinger Ranch
(Union, Cordova, and Rathgeb mines)
Calaveras County, California

Dear Mr. Gentile:

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

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

Careful study of all our information indicates to us that the probability of disclosing minable uranium ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied. Such denial, however, is made without prejudice. In the event further work on your part discloses new and more favorable evidence of ore deposition on the property, we shall be pleased to consider a new application.

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

Sincerely yours,

Frank E. Johnson

Acting Administrator

FMMurphy/gla
10-18-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Murphy
DMEA Field Team, Region II (2)

R.G.

DOCKET COPY

Murphy
Ellis

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

October18, 1955

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-3804

Commodity: Uranium

Applicant: Uravan Uranium & Oil Inc.
Phillip J. Gentile, President
828 Symes Bldg.
Denver 2, Colorado

Property: John Guttinger Ranch, in which the Union, Cordova, and Rathgeb mines are located, and situated in Calaveras County, California, on the Mother Lode Gold Belt, about 3 miles southeast of San Andreas.

Date of application: Original - April 6, 1955
Modified - September 26, 1955

Amount of application: Original - $50,000.00
Modified - $51,778.00

Work proposed: Sink a shaft 350 feet, and then drift and crosscut.

Estimated Costs:

Labor, Supervision, Consultants	$23,800.00	
Operating materials and supplies	3,650.00	
Operating equipment (rental)	9,000.00	
New buildings) change-room	2,500.00	
Improvements) change-room	1,600.00	
Miscellaneous	6,228.00	
Total		$46,778.00
Application (?)		$51,778.00

Not referred to Field Team.

Commodity Members' Comments (excerpts):

U. S. Geological Survey - W. P. Williams, October 5, 1955

Justification for the project includes a report written in 1888 by T. A. Rickard which describes mineralization in the mine and the reported presence of radioactive quartz on the mine dump.

While it is reasonable to expect to find primary uranium minerals associated with quartz-vein minerals in igneous intrusives, I can find no record of such an occurrence in the vicinity ever having produced a significant amount of ore. I do not believe the steeply-dipping, 6-inch wide, quartz stringer would contain enough ore to justify the expensive underground mine rehabilitation and development. I recommend no DMEA participation in the venture.

U. S. Bureau of Mines - James Paone - October 11, 1955.

The mine which the applicant is rehabilitating dates back to 1887 at which date it was developed as a gold mine. The work being done on the mine at this time seems to be discovery work and until the mine is put into such condition that a field examination can be conducted properly, we are of the opinion that DMEA should not consider the application.

We recommend that the application be held in abeyance until the applicant has completed the discovery and rehabilitation work and is ready to proceed toward a definite exploration program.

Rare and Miscellaneous Metals Division - F. M. Murphy - October 18, 1955.

The gold mines in the vicinity of San Andreas are all small and in most cases the vein pinches out at relatively shallow depths (100 to 200 feet) below the surface outcrop. There are few long ore-shoots, most of the gold occurring in small high-grade pockets on cross faults. Rickard states that ~~in~~ one of the small cross-seams, 10 inches in width, contained gold and quartz mixed clay in a red and ocherous mass. In the quartz, and associated with the gold, there were acicular black crystals of pitchblende together with uranium ochre.

The writer does not believe that the work proposed would result in a significant discovery of uranium ore, and from personal investigations of mines in the vicinity of San Andreas, I doubt that a significant discovery of gold ore will result from the Applicant's present project.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous Metals Division

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 10-19-55

REFERRED TO:

1. Operating Com., Rm. 4459
2. Mr. Johnson, Rm. 4460
3. Mails & Files, Rm. 4450
4.

FOR:

____ Action	____ Recommendation
____ Approval	____ Record of ____
____ Comment	____ Referring to ____
____ Conference	____ Reply for signature of ____
____ Consideration	____ Rewriting
X Filing	____ Signature
____ Instructions	____ Suggestions
____ Investigation	X Your information
____ Initials	
____ Mailing	
____ Previous correspondence	

REMARKS:

Check (X) before the items needing attention.

Ernest Wm. Ellis

gla *Initials of sender.*

GPO 16—63815-1

10/13/55 gla

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

RECEIVED
OCT 12 1955

October 11, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: James Paone, Bureau of Mines Alternate Member
Uranium Commodity Committee

Subject: Application for Assistance, DMEA Docket 3804, Uravan Uranium & Oil Inc., Calaveras County, San Andreas, California

I have reviewed the application, Docket 3804, Uravan Uranium & Oil Inc., and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The Uravan Uranium & Oil Inc. has applied for DMEA assistance to explore for uranium on the John Guttinger Ranch, Calaveras County, San Andreas, California. The applicant proposes to sink a steel double mine shaft to the 450-foot level at an estimated cost of $51,778.

The mine which the applicant is rehabilitating dates back to 1887 at which date it was developed as a gold mine. The work being done on the mine at this time seems to be discovery work and until the mine is put in such condition that a field examination can be conducted properly, we are of the opinion that DMEA should not consider the application.

We recommend that the application be held in abeyance until the applicant has completed the discovery and rehabilitation work and is ready to proceed toward a definite exploration program.

James Paone

James Paone

IN REPLY REFER TO:

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

RECEIVED

October 5, 1955

Memorandum

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

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

Subject: Review of application, DMEA 3804, John Guttinger Ranch, Calaveras County, California.

In a revised application the applicant proposes to explore for uranium in some very old underground gold workings in the Mother Lode Gold Belt of California. The work would include shaft rehabilitation and sinking, drifting, and crosscutting.

Justification for the project includes a report written in 1888 by T. A. Rickard which describes uranium mineralization in the mine and the reported presence of radioactive quartz on the mine dump.

While it is reasonable to expect to find primary uranium minerals associated with quartz-vein minerals in igneous intrusives, I can find no record of such an occurrence in the vicinity ever having produced a significant amount of ore. I do not believe the steeply-dipping, 6-inch wide, quartz stringer would contain enough uranium ore to justify the expensive underground mine rehabilitation and development. I recommend no DMEA participation in the venture.

W P Williams

W. P. Williams

IN REPLY REFER TO:

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

October 5, 1955

Memorandum

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

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

Subject: Review of application, DMEA 3334, John Guttinger Ranch, Calaveras County, California.

In a revised application the applicant proposes to explore for uranium in some very old underground gold workings in the Mother Lode Gold Belt of California. The work would include shaft rehabilitation and sinking, drifting, and crosscutting.

Justification for the project includes a report written in 1883 by T. A. Ricard which describes uranium mineralization in the mine and the reported presence of radioactive quartz on the mine dump.

While it is reasonable to expect to find primary uranium minerals associated with quartz-vein minerals in igneous intrusives, I can find no record of such an occurrence in the vicinity ever having produced a significant amount of ore. I do not believe the steeply-dipping, 6-inch wide, quartz stringer would contain enough uranium ore to justify the expensive underground mine rehabilitation and development. I recommend no DMEA participation in the venture.

WPWilliams:iml
G-10/5/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

W. P. Williams

EXPLORERS - PRODUCERS - PROSPECTORS - DEVELOPERS OF MINERALS

URAVAN URANIUM & OIL INC.

ON THE COLORADO PLATEAU

PHILLIP J. GENTILE, PRESIDENT
MARSHALL RABINS, VICE PRESIDENT

STATUARY OFFICE
828 SYMES BLDG.
DENVER 2, COLORADO

VAN NUYS, BLDG.
7311 VAN NUYS BLVD.
VAN NUYS, CALIF.

SAN ANDREAS, CALIF.

MOAB, UTAH

URAVAN, COLORADO

September 26, 1955.

United States Department of the Interior,
Defense Minerals Exploration Administration
Washington 25, D.C.

Attention: Mr. Ernest Wm. Ellis, Chief
Rare and Miscellaneous Metals Division

Re: Docket No. DMEA-3804 (Uranium)
John Guttinger Ranch
(Union, Cordova and Rathgeb Mines)
Calaveras County, San Andreas,
California.

Dear Mr. Ellis:

Refer please to your letter of September 7, 1955.

We are enclosing four copies of a new application, as per your suggestion, for the John Guttinger Ranch.

From our original application on file, we wish you would separate all of the John Guttinger Ranch leases, maps, engineer and geologist reports, and all other pertinent paraphernalia in connection with the John Guttinger Ranch, and attach said papers to this new application.

If any other data is required, please advise and we will submit same.

Regarding the Rusty Can Claims, San Juan County, Utah, we wish to drop the application at this time.

Thanking you for your kind attention, we are

Very truly yours,

URAVAN URANIUM & OIL INC.

Phillip J. Gentile

Phillip J. Gentile

PJG:mn
encls.

P.S. Enclosed are photographs of the operation at John Guttinger Ranch mines

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT 3 - 1955

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

Not to be filled in by applicant

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

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: URAVAN URANIUM & OIL INC., A Colorado Corporation
828 Symes Building,
Denver 2, Colorado.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract .....
JOHN GUTTINGER RANCH (Union, Cordova and Mathgob Mines)
Calaveras County, San Andreas, California.

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it No encumbrances or liens

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

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

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you will explore URANIUM AND GOLD

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. now working

(*c*) The work will start within ..... days and be completed within 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated September 26, 1955., 195...

URAVAN URANIUM & OIL INC.
(Applicant)

By Sheers J. Benitez
PRESIDENT.

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

URAVAN URANIUM & OIL INC.
828 Symes Building
Denver 2, Colorado.

1. (c) Names, addresses and titles of Officers.

PHILLIP J. GENTILE, 8923 Zelzah St., Northridge, Calif.-President
MARSHALL M. RABINS, 12659 Milbank, Studio City, Cal.-Vice-Pres.
P. J. Gentile, 16901 Roscoe Blvd., Van Nuys, Cal. - Sec'y-Treas.

3. JOHN GUTTINGER RANCH, Union, Cordova and Rathgeb Mines, Calaveras County, San Andreas, California.

(b) Same as above.

(c) Lessee

(d) Copy of lease attached.

(e) No liens or encumbrances

(f) Description on copy of lease

4. We are sinking a steel double mine shaft to the 450 ft. level. The accessibility of this mine shaft is by ladder on one side and by an ore bucket dropped down by a cable, on the other side.

(b) None

(c) Engineer and geologist reports submitted.

(d) This mine is readily accessible by roads already built. Shipping center five miles away. Supply and residential points approximately five miles distant.

(e) We have water and power on the premises. Man power and materials and supplies readily obtainable from the City of San Andreas - about five miles distant.

5. Uranium and gold

(b) We propose to sink shaft to 450 ft. level, as it was on this level in the year 1888 that T. A. Rickard, noted geologist and engineer, discovered the presence of pitchblende ore.

(c) Work is now being performed daily, five days per week, and will be completed in approximately six months.

(d) This mining operation is under the supervision of Harvey White, Engineer, and Daniel Grover, who have had many years experience in the mining field.

6. Estimated costs attached.

7. We are prepared to furnish our share of costs of the proposed project in accordance with Governmental Regulations.

URAVAN URANIUM & OIL [illegible]C.
828 Su,es Building
Denver 2, Colorado.

6. ESTIMATE OF COSTS

(a) NONE

(b) LABOR, SUPERVISION, CONSULTANTS

	Six Month Period
5 laborers $80.00 per 5 day week	11,500.00
1 Supervisor $100.00 per 5 day week	2,400.00
1 Engineer & Geologist Consultant $500.00 per month	3,000.00
1 Mine Foreman, $500 per month	3,000.00
1 Hoist Operator, $100.00 per week	2,400.00
Office Secretary	1,500.00
	23,800.00

(c) OPERATING MATERIALS AND SUPPLIES

Water - none	
Power	150.00
Fuel for gas operated engines	3,000.00
Mine supplies and maintenance	500.00
	3650.00

(d) TO BE RENTED OR LEASED:
1 - 25 Horse power pump and motor
1 - 50 horse power generator
1 500 ft. 3" pipe — 9,000.00

Corporation owns and has paid for:
1 hoisting engine
1 head frame
1 air fan
1 water pump
2 Willys 4-wheel drive trucks
1 House trailer
1 GMC truck with air compressor, hoses, ore buckets, ore cars
1 acetylene welder
1 electric welder, and all miscellaneous tools in the operation of mining.
(We do not want any "use-allowance")

(e) None

(f) A wash and shifting building for the changing of miners' clothing - approximate cost — 2,500.00
Hot and cold water installation and toilet facilities..... — 1,600.00

(g) MISCELLANEOUS:

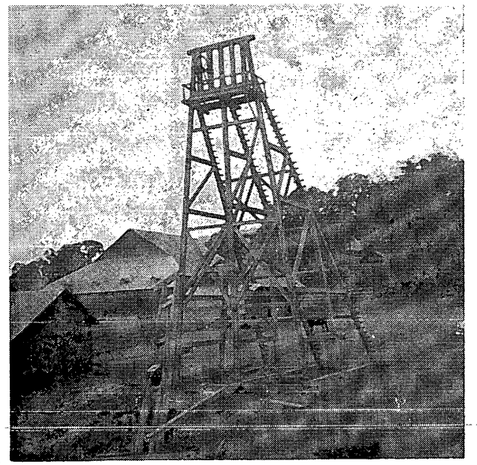
Analytical work..		450.00
Accounting....		1,000.00
Workmen's compensation	6 228.00	1,800.00
Employers' Liability insurance		600.00
Payroll taxes.....		1,700.00
Office Rent and Telephone		678.00

(h) No Contingencies anticipated

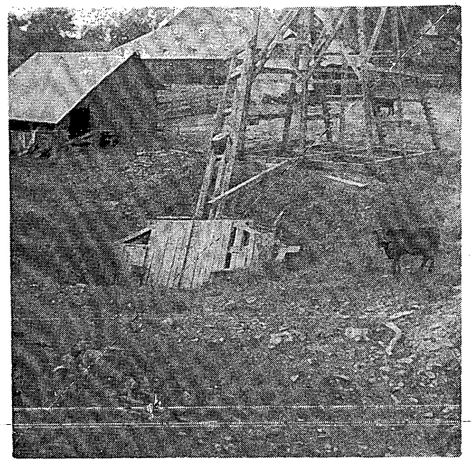
GRAND TOTAL ESTIMATED FOR SIX MONTHS PERIOD: 51,778.00

46,778.00

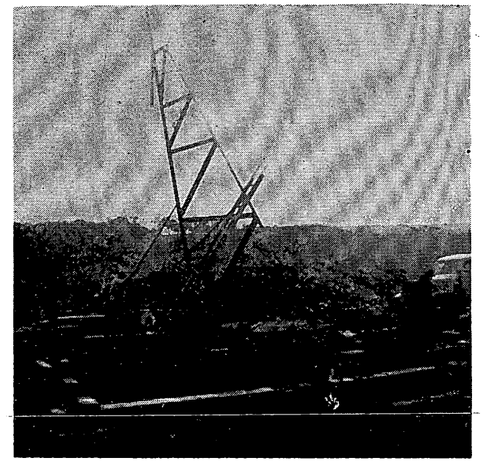
VIEWS OF PROGRESS BEING MADE ON THE JOHN GUTTINGER RANCH (UNION MINE) LOCATED IN CALAVERAS COUNTY, CALIF., AT THE FOOTHILLS OF THE SIERRA NEVADA MOUNTAINS



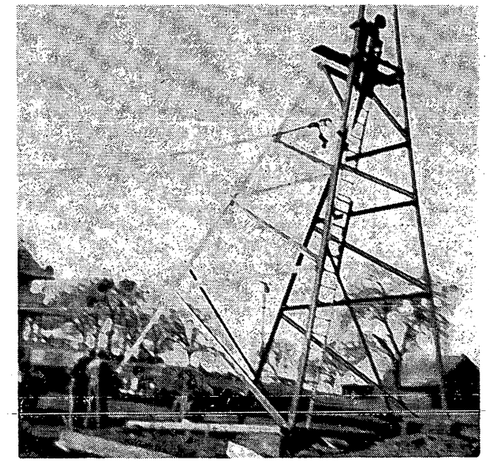
Picture above shows old head frame on John Guttinger Ranch (Union Mine) before removal.



A view of the old caved in Union Mine.

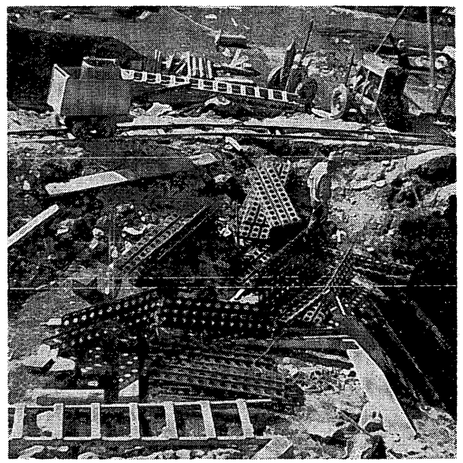


Installing a new head frame on Union Mine.

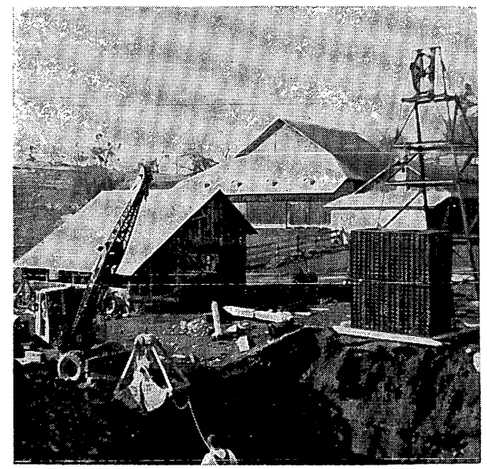


Completing the installation of new head frame.

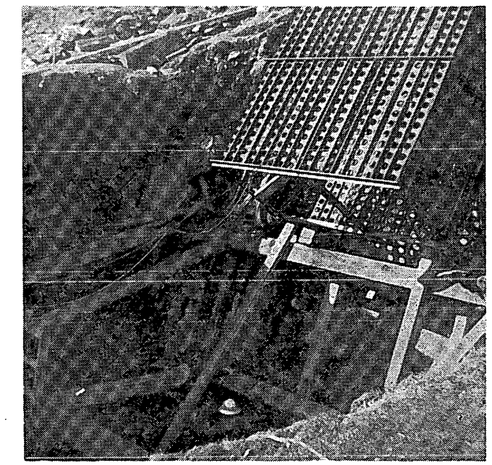
Cleaning out the old surface installations at Union Mine.



Steel for first section of all steel shaft ready to be welded together.

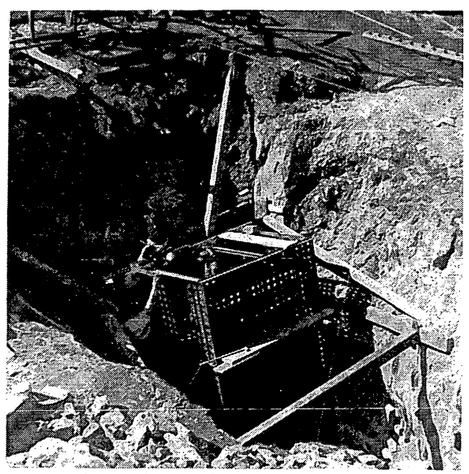


First section of all steel shaft ready to be lowered into mine.

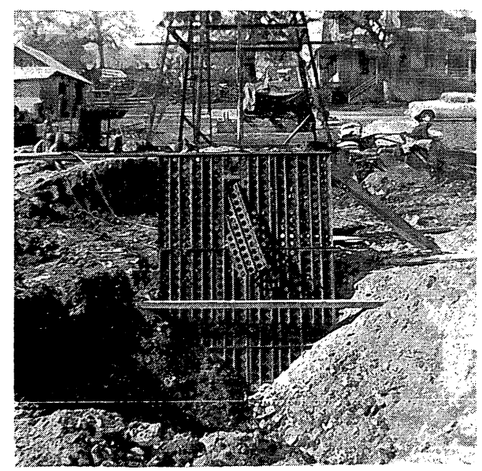


Due to heavy ground, support timbering had to be done so as not to lose the shaft.

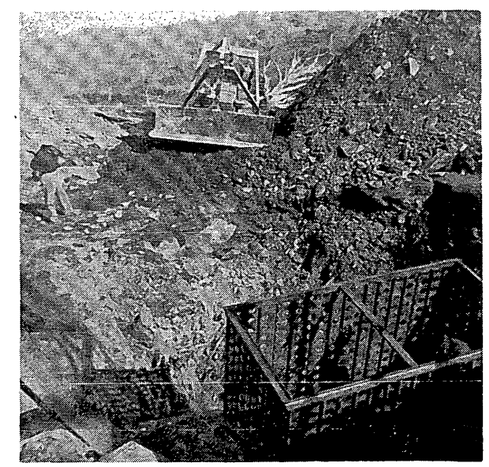
Sixth section being welded together to shaft.



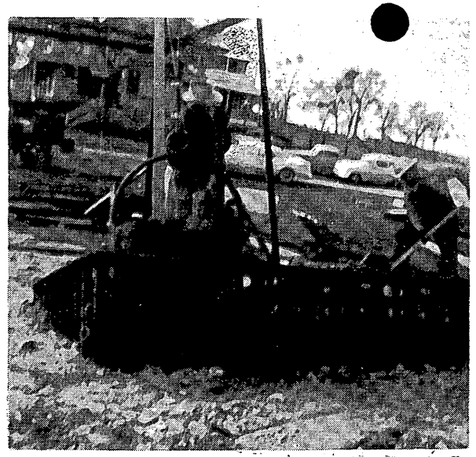
Seventh section being welded together to shaft and support timbering commenced to be removed.



Eighth and final surface shaft being welded together preparatory to being filled around with muck.



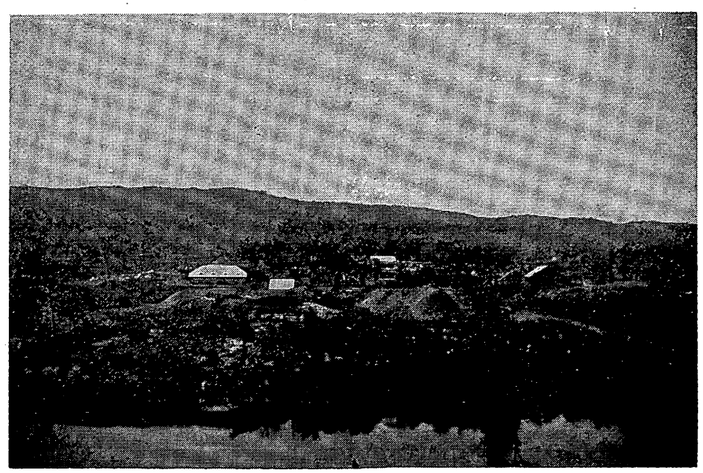
Caterpillar tractor moving earth to cover up the shaft.



Shaft showing at surface and ready to start digging out muck at the bottom of the shaft.

First bucket of muck coming out of the Union Mine and ready to be dumped into ore car.

A picture of J. J. Satin, executive secretary, Uravan Uranium and Oil, who is watching the developments at the Union Mine.



A bird's eye view of the John Guttinger Ranch (Union Mine) with the Sierra Nevada Mountains in the background.

Uravan Uranium and Oil Inc.

PHILLIP J. GENTILE
President

A COLORADO CORPORATION
Business and Transfer Office
828 Symes Building
Telephone MA 3-5101
Denver 2, Colorado

PRESIDENT'S FIRST REPORT ON OPERATIONS

To: Uravan Uranium and Oil Inc., Shareholders:

John Guttinger Ranch (Union Mine) Test

March 31, 1955

Your president takes great pleasure in reporting to you at this time. It is a joy indeed to announce the progress of current operations on Uravan Uranium's John Guttinger Ranch (Union Mine) property, located in Calaveras County, California.

The John Guttinger Ranch operation has been extensively and efficiently equipped. Pictures on the inside pages of this report will aid you in visualizing the progress of this development. The property has been equipped by Uravan Uranium and Oil Inc., with most mining machinery and accessories incident to speedy and efficient operation. The equipment includes a Denver powered hoist; a self-contained gasoline powered unit for the hoist, a new steel gallows (head) frame has been installed; a jeep has been purchased; we have also purchased a self-contained GMC supply truck, which has on it a LeRoy 105 compressor with air hammers and hoses, drilling steel, etc. We have also purchased an ore car.

An all steel shaft has been built down to the 60′ level and we are driving for the 120′ level. We are making good steady progress on sinking the shaft and expect to be at the 120′ level within 60 days. As you may very well recall, uranium has been discovered in this mine in 1888 at the 350′ level. However, we do not expect to have to place a steel shaft all the way down to the 350′ level, as we feel that we will hit water at the 120′ level, and after we pump out the water, the shaft should become quartz and could possibly be used without having to have lagging.

Rusty Can Claims

Uravan Uranium and Oil Inc., is pleased to announce that all engineering work has been done on Rusty Can Claims, located at San Juan County, Utah, and paid for. We acquired these 80 acres from the Capitol Uranium Company, of Farmington, New Mexico. Uravan Uranium and Oil are going to drill this property on the royalty basis with Capitol Uranium Co. At this time we are negotiating to purchase a drill to be mounted on a four-wheel-drive truck and as soon as the drill and truck have been purchased and assembled, we shall move this equipment to San Juan, Utah, and commence operations. Uravan Uranium and Oil is a minority stockholder of Capitol Uranium Company. It shall be the policy of Uravan Uranium and Oil to keep all interested parties advised as to progress being made.

To me the future of our Company looks very bright. With any luck at all, we should become a producing company in a not too distant future.

Very sincerely yours,

Phillip J. Gentile,
President.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT 3 - 1955

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

Not to be filled in by applicant

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

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: URAVAN URANIUM & OIL INC., A Colorado Corporation
828 Symes Building,
Denver 2, Colorado.

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract .....
JOHN GUTTINGER RANCH (Union, Cordova and Rathgeb Mines)
Calaveras County, San Andreas, California.

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

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

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

(*e*) If you own the land, describe any liens or encumbrances on it No encumbrances or liens

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

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

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

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

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

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

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work now working will start within ..... days and be completed within 6 months from the date of an exploration project contract.

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

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

Explain in detail on acompanying paper.

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

Dated September 26, 1955., 195...

URAVAN URANIUM & OIL INC.
(Applicant)

By [signature]

PRESIDENT.

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

URAVAN URANIUM & OIL INC.
828 Symes Building
Denver 2, Colorado.

1. (c) Names, addresses and titles of Officers.

PHILLIP J. GENTILE, 8923 Zelzah St., Northridge, Calif.-President
MARSHALL M. RABINS, 12659 Milbank, Studio City, Cal.-Vice-Pres.
P. J. Gentile, 16901 Roscoe Blvd., Van Nuys, Cal. - Sec'y-Treas.

3. JOHN GUTTINGER RANCH, Union, Cordova and Rathgeb Mines, Calaveras County, San Andreas, California.

(b) Same as above.

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(e) No liens or encumbrances

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4. We are sinking a steel double mine shaft to the 450 ft. level. The accessibility of this mine shaft is by ladder on one side and by an ore bucket dropped down by a cable, on the other side.

(b) None

(c) Engineer and geologist reports submitted.

(d) This mine is readily accessible by roads already built. Shipping center five miles away. Supply and residential points approximately five miles distant.

(e) We have water and power on the premises. Man power and materials and supplies readily obtainable from the City of San Andreas - about five miles distant.

5. Uranium and gold

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7. We are prepared to furnish our share of costs of the proposed project in accordance with Governmental Regulations.

URAVAN URANIUM & OIL I[illegible].
828 Su,es Building
Denver 2, Colorado.

6. ESTIMATE OF COSTS

(a) NONE

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1 Supervisor $100.00 per 5 day week	2,400.00
1 Engineer & Geologist Consultant $500.00 per month	3,000.00
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Office Secretary	1,500.00

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Mine supplies and maintenance	500.00

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1 - 50 horse power generator
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1 electric welder, and all miscellaneous tools in the operation of mining.
(We do not want any "use-allowance")

(e) None

(f) A wash and shifting building for the changing of miners' clothing - approximate cost	2,500.00
Hot and cold water installation and toilet facilities.....	1,600.00
(g) MISCELLANEOUS: Analytical work..	450.00
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(h) No Contingencies anticipated	
GRAND TOTAL ESTIMATED FOR SIX MONTHS PERIOD:	51,778.00

Surname copy 700

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

SEP - 7 1955

828

Uravan Uranium and Oil, Inc.
718 Symes Building
Denver 2, Colorado

Re: Docket No. DMEA-3804 (Uranium)
John Guttinger Ranch
(Union, Cordova, and Rathgeb mines)
Calaveras County, California
Also, Rusty Can claims
San Juan County, Utah

Gentlemen:

A review of your application dated April 6, 1955, covering the above-named property, reveals that you have not responded to our letter of May 17 which outlined information required to further process this application.

Inasmuch as we have received no reply, we assume that you no longer desire to proceed with the application. We wish to cooperate with you in the matter of allowing ample time, but if the needed data has not been received within 30 days from the date of this letter, we will then consider the docket closed.

Sincerely yours,

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

FMMurphy/gla
9-6-55
cc to: Admr.'s Reading File
Docket
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA
Code 700
Mr. Murphy
DMEA Field Team, Region II (2)
DMEA Field Team, Region III (2)

R.C.L.

5/23/55 gh

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

May 20, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, Uravan Uranium and Oil, Inc., DMEA Docket 3804

I have reviewed the attached application of Uravan Uranium and Oil, Inc., DMEA Docket 3804, and have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The maps and reports described in the application are not enclosed. There is no information in the company's application which would indicate the presence of uranium mineralization on the subject property. The location and geology of the property is not described.

We feel that the application should be denied, or that Uravan Uranium and Oil, Inc., should be requested to provide more substantiating data about the property.

John E. Crawford
John E. Crawford

Attachment

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

May 20, 1955

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Uranium Commodity Committee, Room 4445

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John E. Crawford

Attachment

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

May 20, 1955

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Uranium Commodity Committee, Room 4445

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We feel that the application should be denied, or that Uravan Uranium and Oil, Inc., should be requested to provide more substantiating data about the property.

John E. Crawford

Attachment

Crawford

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 3804
Metal or Mineral Uranium
Date Received 5-9-55
Estimated Cost $50,000
Participation (Government %) 75

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Uravan Uranium and Oil Inc.
A Colorado, Corporation

URAVAN URANIUM & OIL, INC.
828 SYMES BLDG.
DENVER 2, COLORADO

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

Joe Cuellar Lease (Uran Mineral Claim)
Jenny Gap Claim.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
Lease, purchase option on Jenny Gap Claim.

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

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

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

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

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

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

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

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

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

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 90 days and be completed within 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated April 6, 1955, 195__

Uravan Uranium and Oil Inc.
(Applicant)

By Philip J. Bentell
Pres.

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

URAVAN URANIUM & OIL INC.
828 Symes Bldg.
Denver 2, Colorado.

1. (c) Names, addresses and titles of Officers.

PHILLIP J. GENTILE, 8923 Zelzah St., Northridge, Calif.
MARSHALL M. RABINS, 6323 Lankershim Blvd.,
North Hollywood, California
Jules J. Satin, 6123 Maryland Drive, Los Angeles, Calif.
Joseph Gentile, Jr., 16901 Roscoe Blvd., Van Nuys, Calif.

3. Copy of leases attached.

3. (b) MINES KNOWN AS

JOHN GUTTINGER RANCH (Union -Cordova - Rathgeb Mins)

RUSTY CAN CLAIMS

3. (c) Copy of leases attached.

3. (d) Copy of leases attached.

3. (f) Attached is report on the Rusty Can Claims, San Juan County, Utah, by Arthur Jaffe, Consulting Engineer. - no rept attached

4. (a) At the present time we are sinking a shaft at the JOHN GUTTINGER RANCH (Union - Cordova - Rathgeb Mines) and are down approximately 75 ft. in depth. This mine is a former existing fold mine in which pitchblende was discovered in the year 1887.

RUSTY CAN CLAIMS drilling operations to be started on or about May 15, which is approximately 80 acres.

4. (c) Copies of engineers' report attached on the JOHN GUTTINGER RANCH (Union - Cordova - Rathgeb Mines) by Lawson H. Linde, Mining Engineer; also attached is copy of report on the RUSTY CAN CLAIMS, San Juan County, Utah, by Arthur Jaffe, Consulting Engineer

4. (d) Roads are accessible to mines and shipping supplies and all resident points as contained in engineers' reports

4. (e) Manpower, materials, supplies, water and power are available at these mines, as contained in Mining Engineers reports.

5. (b) Maps and sketches attached. not attached yet

(d) Applicants are in the mining and drilling operations field.

6. The approximate cost of opening the JOHN GUTTINGER RANCH (Union - Cordova-Rathgeb Mines) to the 350 ft. level is $50,000.00. This is for labor. ~~and~~ All machinery and equipment have been purchased and paid for by the applicant.

6. (a) None.

6. (b) All mine labor being paid at the rate of $80.00 per week. All engineer and geological consultants have been paid for to this date.

6. (c) All equipment paid for.

6. (d) All operating equipment has been purchased and paid for by applicant.

6. (e) All repairs to existing buildings, installations, fixtures, and movable operating equipment now owned by the Operator have been paid.

6. (f) None

6. (g) Workmen's compensation and employers' liability insurance and payroll taxes have been paid to date.

7. (a) Yes.

Surname copy

Murphy
Ellis
Matthewson

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

Uravan Uranium and Oil, Inc.
718 Symes Building
Denver 2, Colorado

MAY 17 1955

Re: Docket No. DMEA-3804 (Uranium)
John Guttinger Ranch
(Union, Cordova, and Rathgeb mines)
Calaveras County, California.
Also, Rusty Can claims
San Juan County, Utah

Gentlemen:

The above-docketed application for exploration assistance has been reviewed by the Rare and Miscellaneous Metals Division of this Agency.

We note in your application (Form MF-103) that you have included both your California and Utah properties. Do you wish to apply for Federal assistance in exploring both properties? If so, please submit a new application to cover one or the other property, preferably the Guttinger Ranch mines, as the captioned application has been coded and filed under State of Utah applications and can be continued as such. The data submitted under the present application will be separated and placed under the proper docket number. Four copies of the new application should be submitted.

Rusty Can

In the event you wish to submit a new application, we suggest that you supply us with more specific information than was presented in the present application. For example, concerning the John Guttinger Ranch mines, the following data would greatly assist us in judging the merits of the exploration aid requested:

1. A specific program for exploration, itemizing individual work items, such as so many feet of drifts, crosscuts, shafts, etc. Also supply a breakdown of the costs as outlined under Article 6 of the application form.

2. Maps or sketches showing:

   (a) Location of previous work.
   (b) Location of proposed work.
   (c) Location and value of any samples taken.
   (d) Strike and dip of the veins on which the proposed work will be done.

R.C.h.

A study of Mr. Linde's report and other data submitted concerning the Guttinger mines, indicates to us that these mines were principally gold producers, with the other metals copper, uranium, etc., only present in minor amounts. Copper and uranium are on our list of metals and minerals eligible for exploration assistance. However, projects approved by this Agency must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Referring to the Rusty Can claims in San Juan County, Utah, a more specific proposal also should be submitted. The following are suggested data that would assist us in processing such an application:

1. A topographic map or sketch showing elevations of the surface where the proposed work is to be done; also showing the following:

   (a) Contact lines of the exposed rock formations and structural features, such as folds, faults, etc.

   (b) Indicated or inferred sedimentary and/or channel trends.

   (c) Location and collar or portal elevations of all present drill holes, shafts, adits, etc., on the property and/or, if available, on the properties adjacent thereto. Also, tentative locations of proposed new work, such as drill holes, etc.

   (d) Location, widths, and assay results of all samples taken on the property.

2. A supporting narrative report containing the following information:

   (a) Specific geologic data concerning the subject property, such as:

      (1) Exposures of rock formations and indicated bedding dip.

      (2) Comments on host rock and its favorability to mineralization, such as thickness of the strata, color of sandstone, and mudstone, mineralized trash, logs, etc.

3. A detailed exploration program giving individual items of work proposed and the estimated cost of such work, as outlined under Article 6 of the application form.

We also wish to inform you that in the event a contract is entered into for Federal aid in an exploration project, the Government will not contribute to the cost of any work done on the property prior to such a contract.

We will hold the present application, Docket No. DMEA-3804, in abeyance for a reasonable period of time, in order that you may advise this Agency of what action you wish to take.

Enclosed are four application forms, MF-103 (one set), also two extra forms for your use.

Sincerely yours,

SIGNED

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

Enclosures

FMMurphy/gla
5-12-55
cc to: Admr.'s Reading File
Docket ✓
Messrs. J. E. Crawford, Rm. 3641
T. H. Kiilsgaard, Rm. 5224
J. O. Hosted, Rm. 3210, GSA
Code 700
Mr. Murphy
DMEA Field Team, Region II (2)
DMEA Field Team, Region III(2)

5/16/55 gla

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 13 1955

May 13, 1955

Re: DMEA-3804
Uravan Uranium and Oil Inc.
Rusty Can Group, San Juan Co., Utah
Union-Rathgeb Mine, Calaveras Co., Calif.
$50,000 - Uranium

Memorandum

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

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

Subject: Review of application

This application concerns two properties, 1, 5 claims in Montezuma canyon, San Juan County, Utah, and 2, an old gold mine property in Calaveras County, California.

Apparently the loan requested is to be expended on the completion of the rehabilitation of the Union mine shaft. No work program is outlined for the Rusty Can group in Montezuma canyon, Utah.

Writing in 1887, the late T. A. Rickard, in a letter, mentioned finding "small quantities" of pitchblende and uranium ochre associated with native gold in clay seams, probably where the main barren quartz vein was cut by small cross veins. Clarence A. Logan quotes the Rickard letter in Bull. No. 108 (1934) State Division of Mines, California. No other reference to this occurrence is at hand. Further search for substantiating evidence of worth while amounts of uranium minerals having been found in the Mother Lode gold mines should be made. Referral to the Field Team is recommended.

The Rusty Can group of claims is situated about midway between the Surplus, DMEA-3697, and the Baldwin Group (Blue Chip), DMEA-3687.

It is known there are numerous small uranium-vanadium shows in Montezuma canyon. The Field Team, if examinations have been made of the Surplus and Baldwin properties, may know whether any large deposits have been found. Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 3 1955

May 13, 1955

Re: DMEA-3804
Uraven Uranium and
Oil Inc.
Rusty Can Group, San
Juan Co., Utah
Union-Bathgeb Mine,
Calaveras Co., Calif.
$50,000 - Uranium

Memorandum

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

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

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NENelson:hlm
G-5/13/55

N. E. Nelson

N. E. Nelson

CC: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641 Interior
J. O. Hosted, 3210 GSA

IN REPLY REFER TO:

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

Division of Raw Materials
Union Mines Administration
RECEIVED
MAY 13 1955

May 13, 1955

Re: DMEA-3804
Graven Uranium and
Oil Inc.
Rusty Can Group, San
Juan Co., Utah
Union-Rathgeb Mine,
Calaveras Co., Calif.
$50,000 - Uranium

Memorandum:

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

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

Subject: Review of application

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The Rusty Can group of claims is situated about midway between the Surplus, DMEA-3097, and the Baldwin Group (Blue Chip), DMEA-3187.

It is known there are numerous small uranium-vanadium shows in Montezuma canyon. The Field Team, if examinations have been made of the Surplus and Baldwin properties, may know whether any large deposits have been found. Referral to the Field Team is recommended.

H. E. Nelson

H. E. Nelson

HENelson:hlm
G-5/13/55
CC: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641 Interior
J. O. Hosted, 3210 GSA

IN REPLY REFER TO:

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

Defense Minerals Administration
RECEIVED
MAY 13 1955

May 13, 1955

Re: DMEA-3304
Uraven Uranium and
Oil Inc.
Rusty Can Group, San
Juan Co., Utah
Union-Rathgeb Mine,
Calaveras Co., Calif.
$30,000 - Uranium

Memorandum

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

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

Subject: Review of application

This application concerns two properties, 1, 5 claims in Montezuma canyon, San Juan County, Utah, and 2, an old gold mine property in Calaveras County, California.

Apparently the loan requested is to be expended on the completion of the rehabilitation of the Union mine shaft. No work program is outlined for the Rusty Can group in Montezuma canyon, Utah.

Writing in 1887, the late T. A. Rickard, in a letter, mentioned finding "small quantities" of pitchblende and uranium ochre associated with native gold in clay seams, probably where the main barren quartz vein was cut by small green veins. Clarence A. Logan quotes the Rickard letter in Bull. No. 108 (1934) State Division of Mines, California. No other reference to this occurrence is at hand. Further search for substantiating evidence of worth while amounts of uranium minerals having been found in the Mother Lode gold mines should be made. Referral to the Field Team is recommended.

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HENelson:hlm
G-5/13/55
CC: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641 Interior
J. O. Hosted, 3210 GSA

H. E. Nelson

May 9, 1955

Subject: DMEA-3804
Re: Exploration Assistance
for Uranium
John Guttinger Ranch (Union-
Cordova-Rathgeb Mines)
Rusty Can Claims

Uravan Uranium and Oil, Inc.,
828 Symes Bldg.,
Denver 2, Colorado.

Gentlemen:

The receipt of your application dated April 6, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3804 and referred to the Rare and Miscellaneous Metals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

EXPLORERS - PRODUCERS - PROSPECTORS - DEVELOPERS OF MINERALS

URAVAN URANIUM & OIL INC.

ON THE COLORADO PLATEAU

PHILLIP J. GENTILE, PRESIDENT
MARSHALL RABINS, VICE PRESIDENT
J. J. SATIN, SECRETARY
JOSEPH GENTILE, JR., TREASURER

STATUARY OFFICE
718 SYMES BLDG.
DENVER 2, COLORADO

URAVAN, COLORADO

W. M. GARLAND BLDG.
117 W. 9TH STREET
LOS ANGELES, CALIF.

RATHGEB URANIUM MINE
SAN ANDREAS, CALIF.

UNION GOLD MINE
SAN ANDREAS, CALIF.

May 3, 1955.

U. S. Department of the Interior,
Defense Minerals Administration
Washington 25, D.C.

Attention: Mr. Robert E. Adams, Chief.

Dear Mr. Adams:

Enclosed is our application for a D.M.E.A. Loan and other material covering the John Guttinger Ranch and the Rusty Can Claims. We would appreciate you expediting them as much as possible.

The John Guttinger Ranch has quite a history attached to it as far as Uranium is concerned. In 1888 this mine was owned by the Union Gold Company, Otd., of London, England. Their engineer in charge was T.A.Rickard, who is now deceased. Mr. Rickard once wrote his directors in London to the effect that:

"It may be interesting to the directors to know that our gold here is associated with one of the rarer metals - Uranium. The richest bunches of gold generally show small quantities of Pitch-Blende (oxide of Uranium) and uranium ochre (a sulphate of the metal). This is the only known occurrence in California. You perhaps know that uranium is used in the arts as a fireproof pigment for making the inscriptions, etc., of stained glass windows."

This mine is also mentioned in the California State Division of Mines Bulletin #108, dated 1934, and titled "Mother Lode Gold Belt of California." The following is a quote from page 147 of this book.

"T. A. Rickard has given an excellent account of the condition under which a large pocket of gold was taken from this mine in 1887 and excerpts are given below:

> 'These pockets appear to be confined to the zone between the surface and the water-level and to be dependent upon the rusults produced by the small cross-veins which encounter the main lodes. In 1887 I had the pleasure of extracting, in two hours, a little over 170 ounces of gold, worth about $3,000, from one of these pockets. It was at the

EXPLORERS - PRODUCERS - PROSPECTORS - DEVELOPERS OF MINERALS

URAVAN URANIUM & OIL INC.

ON THE COLORADO PLATEAU

PHILLIP J. GENTILE, PRESIDENT
MARSHALL RABINS, VICE PRESIDENT
J. J. SATIN, SECRETARY
JOSEPH GENTILE, JR., TREASURER

STATUARY OFFICE
718 SYMES BLDG.
DENVER 2, COLORADO

URAVAN, COLORADO

W. M. GARLAND BLDG.
117 W. 9TH STREET
LOS ANGELES, CALIF.

RATHGEB URANIUM MINE
SAN ANDREAS, CALIF.

UNION GOLD MINE
SAN ANDREAS, CALIF.

U. S. Department of the Interior.

Rathgeb Mine, near San Andreas in Calaveras County. The main lode consisted of 5 to 8 feet of massive 'hungry-looking' quartz, the foot-wall of which was a beautiful augite-schist and the hanging-wall a hard diabase. The water-level was 160 feet below the surface. Down to this point, the country was oxidized, the hanging-wall exhibiting only slight alteration, while the schist of the foot-wall was softened and decomposed almost to a clay. This was traversed by numerous small veins, which appeared to act as 'feeders,' forming bunches of rich ore where they encountered the main lode. At the 120-foot level, south from the shaft, there were some old workings; and the examination of these led to the discovery of a small seam, about one-sixteenth of an inch thick, filled with red clay which carried a good deal of notive gold.*** It varied in thickness and occasionally opened out into small lenticular cavities, containing a clay in which the gold was distributed like the raisins in a pudding. Each of these 'pockets' yielded several hundred dollars worth of gold. At length the red clay commenced to increase; coarse gold became more frequent; and a big discovery was hourly expected. It was finally made. The vein suddenly became faulted, and at the place of faulting, there was a soft, spongy, wiry mass of gold and clay - - more gold than clay *** Within the next two hours this pocket gave us $3,000 and during the following week it yielded over $20,000, an amount which was obtained at a total cost of less than $200. * * * The vein, AC, had been faulted about its own width, namely, 10 inches, by a small cross-seam, DE, and at this intersection, B, the pocket lay. The gold was spongy and was intermixed with quartz. The clay which penetrated the whole mass was partly red and ocherous, and party a gray gelatinous material. In the quartz, and associated with the gold, there were acicular black crystals of pitch-blende (uraninite) together with uranium ochre. This association of gold with uranium is uncommon.'

EXPLORERS - PRODUCERS - PROSPECTORS - DEVELOPERS OF MINERALS

URAVAN URANIUM & OIL INC.

ON THE COLORADO PLATEAU

PHILLIP J. GENTILE, PRESIDENT
MARSHALL RABINS, VICE PRESIDENT
J. J. SATIN, SECRETARY
JOSEPH GENTILE, JR., TREASURER

STATUARY OFFICE
718 SYMES BLDG.
DENVER 2, COLORADO

URAVAN, COLORADO

W. M. GARLAND BLDG.
117 W. 9TH STREET
LOS ANGELES, CALIF.

RATHGEB URANIUM MINE
SAN ANDREAS, CALIF.

UNION GOLD MINE
SAN ANDREAS, CALIF.

Incidentally, it may be said that this appears to be the only reported occurrence of pitchblende in the State."

Naturally, we do not wish to convey the idea that we have already struck commercial ore. However, we feel that this property warrants further looking into. To this end, we have removed the old head frame and installed a new one of steel; we have installed a gasoline-powered hoist; purchased a welder, compressor, ore car, tracks, etc. and we have started operations and are now down approximately 75 feet, expecting to reach the first level, which is 120 feet, within the next thirty days. We are lining the shaft with new Army surplus steel landing mats and it makes for a good, safe shaft. We felt this would be better than wood, as the latter is very expensive and does not last as long as steel. We are doing everything that is consistent with good safe mining practices and are completely covered with insurance, both on public liability and compensation.

Grab samples taken off the dumps of this mine were sent to Mr. Carlson W. Denton, Bureau of Mines, State of California, where they are now evaluating them.

We figure that the total expenditure would be approximately $75,000.00 and we need $50,000.00.

Very truly yours,

URAVAN URANIUM & OIL INC.

J. J. Satin
Secretary

JJS:mn

[illegible]-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 3804
Metal or Mineral Uranium
Date Received 5-9-55
Estimated Cost 850,000
Participation (Government %) 75

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Uravan Uranium and Oil Inc, A Colorado, Corporation URAVAN URANIUM & OIL, INC. 828 SYMES BLDG. DENVER 2, COLORADO

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract

John Guttinger Ranch (Union Rathgeb Mine)
Rusty Can Claims.

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
Lessee, purchase option on Rusty Can Claims.

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

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

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

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

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

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

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

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

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

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated April 6, 1955, 195__

Dakota Mountain Gold Claims
(Applicant)

By Sherry J. Pentecost

President

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

URAVAN URANIUM & OIL INC.
828 Symes Bldg.
Denver 2, Colorado.

1. (c) Names, addresses and titles of Officers.

PHILLIP J. GENTILE, 8923 Zelzah St., Northridge, Calif.
MARSHALL M. RABINS, 6323 Lankershim Blvd.,
North Hollywood, California
Jules J. Satin, 6123 Maryland Drive, Los Angeles, Calif.
Joseph Gentile, Jr., 16901 Roscoe Blvd.,Van Nuys, Calif.

3. Copy of leases attached.

3. (b) MINES KNOWN AS

JOHN GUTTINGER RANCH (Union -Cordova - Rathgeb Mines)

RUSTY CAN CLAIMS

3. (c) Copy of leases attached.

3. (d) Copy of leases attached.

3. (f) Attached is report on the Rusty Can Claims, San Juan County, Utah, by Arthur Jaffe, Consulting Engineer.

4. (a) At the present time we are sinking a shaft at the JOHN GUTTINGER RANCH (Union - Cordova - Rathgeb Mines) and are down approximately 75 ft. in depth. This mine is a former existing gold mine in which pitch-blende was discovered in the year 1887.

RUSTY CAN CLAIMS drilling operations to be started on or about May 15, which is approximately 80 acres.

4. (c) Copies of engineers' report attached on the JOHN GUTTINGER RANCH (Union - Cordova - Rathgeb Mines) by Lawson H. Linde, Mining Engineer; also attached is copy of report on the RUSTY CAN CLAIMS, San Juan County, Utah, by Arthur Jaffe, Consulting Engineer

4. (d) Roads are accessible to mines and shipping supplies and all resident points as contained in engineers' reports

4. (e) Manpower, materials, supplies, water and power are available at these mines, as contained in Mining Engineers reports.

5. (b) Maps and sketches attached.

(d) Applicants are in the mining and drilling operations field.

6. The approximate cost of opening the JOHN GUTTINGER RANCH (Union - Cordova-Rathgeb Mines) to the 350 ft. level is $50,000.00. This is for labor. ~~and~~ All machinery and equipment have been purchased and paid for by the applicant.

6. (a) None.

6. (b) All mine labor being paid at the rate of $80.00 per week. All engineer and geological consultants have been paid for to this date.

6. (c) All equipment paid for.

6. (d) All operating equipment has been purchased and paid for by applicant.

6. (e) All repairs to existing buildings, installations, fixtures, and movable operating equipment now owned by the Operator have been paid.

6. (f) None

6. (g) Workmen's compensation and employers' liability insurance and payroll taxes have been paid to date.

7. (a) Yes.