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

DMEA
Date Rec'd
AUG 16 1956
BUREAU OF MINES
Denver, Colorado

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: Sunburst Mining Corporation
c/o Mincon
P. O. Box 270
Grand Junction, 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. Incorporated in the State of Texas.

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

(*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
See attached report

(*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
See attached report

(*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
See attached report

(*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*) [redacted]te the mineral or minerals for which you wi[redacted] explore uraninite and carnotite

(*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 3 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 [ ] 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 August 14, 1956, 195__

SUNBURST MINING CORPORATION
(Applicant)

By Mincon

D. James Edson, Jr.

D. James Edson, Jr., Geologist-Partner

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

APPLICATION FOR DMEA PROJECT

ON THE

HENRY MOUNTAINS PROPERTIES

Prepared for
SUNBURST MINING CORPORATION

c/o P. O. BOX 270

GRAND JUNCTION, COLORADO

by
MINCON
P. O. Box 270
Grand Junction, Colorado

MINCON
P. O. Box 270
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE HENRY MOUNTAINS PROPERTIES PREPARED FOR SUNBURST MINING CORPORATION

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MINCON
P. O. Box 270
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE HENRY MOUNTAINS PROPERTIES
PREPARED FOR SUNBURST MINING CORPORATION

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MINCON
P. O. Box 270
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE HENRY MOUNTAINS PROPERTIES
Prepared for

SUNBURST MINING CORPORATION
402 Ouray Avenue
Grand Junction, Colorado

INTRODUCTION

This report, written and prepared for SUNBURST MINING CORPORATION by Mincon, and the attached, completed Form MF-103 constitutes an application for a Defense Minerals Exploration Administration project contract of the unit-cost type. A $54,090.63 project is recommended for exploring 99 uranium claims by wagon and core drilling in the Henry Mountains area of Garfield County, Utah. The project proposes a two phase drilling program by independent contractors under the geologic and engineering supervision of Mincon.

1. NAME OF APPLICANT

(a) SUNBURST MINING CORPORATION
402 Ouray Avenue
Grand Junction, Colorado

(Note: Please address all correspondence in reference to this application to MINCON, P. O. BOX 270, GRAND JUNCTION, COLORADO.)

(b) The applicant, Sunburst Mining Corporation, is incorporated in the State of Texas.

(c) Officers of Sunburst Mining Corporation are:

Mr. Sam DeChearo, President and Director
2636 West Twohig Street
San Angelo, Texas

Mr. E. W. Creel, Vice President and General Manager
402 Ouray Avenue
Grand Junction, Colorado

Mrs. Sam DeChearo, Secretary-Treasurer and Director
2636 West Twohig Street
San Angelo, Texas

(d) Not applicable, since this company is a corporation.

2. GENERAL

This report including the attached, completed Form MF-103 is an application for a DMEA loan under a unit-cost form contract and has been prepared in accordance with DMEA Order No. 1, Amended. It is to be submitted in quadruplicate to the Executive Officer, Region IV, DMEA, New Customhouse Building, Denver 2, Colorado.

Since sufficient space is not available on the application Form MF-103 the necessary information is supplied in this report with a reference in each case by number and letter to the instruction to which the item refers on the form.

3. APPLICANT'S PROPERTY RIGHTS

(a) The property consists of 99 full and fractional, unpatented mining claims in one contiguous group located in portions of unsurveyed Sections 2, 3, 10, 11, 14, and 15, Township 35 South, Range 11 East, Salt Lake Base and Meridian, Garfield County, Utah. These unpatented claims have been surveyed under the supervision of a Registered Colorado Engineer and are tied to Atomic Energy Commission triangulation station number "S-2" which lies south 40,048 feet and west 13,744 feet from the northeast corner of Section 6, Township 34 South, Range 12 East, SLB&M. The triangulation station is located with reference to the section corner by third order triangulation. These claims include all of the land in which the owners or lessees hold any interest which might be benefited by the proposed exploratory program. The claim outlines with reference to the public land survey and triangulation station "S-2" are shown on Exhibit A. The location notices, or amended notices, are posted and copies are recorded in the Garfield County Courthouse.

(b) The property is often referred to as the Joe A. King, Jr., property.

(c) The applicant's interest is as a lessee from the original owners, Mr. Joe A. King, Jr., et al, under terms of an agreement originally signed by Mr. E. W. Creel, March 26, 1955 and assigned to Sunburst Mining Corporation April 25, 1955.

(d) A copy of the original lease is submitted as Exhibit B and the Assignment from Mr. Creel to Sunburst Mining Corporation is submitted as Exhibit C.

(e) The only liens and encumbrances are the work and royalty obligations as set forth in Exhibits B and C.

(f) All of the claims are unpatented and the book and page for each recorded location notice and amended location notice are shown on the attached Exhibit D.

4. PHYSICAL DESCRIPTION

(a) Previous Mining and Exploration.

Two small prospect drifts were driven by Sunburst Mining Corporation in from the rims exposed on the north end of the Rats Nest #1 claim and the north end of the Teddy #1 claim during 1955. Both of these are shown on Exhibit A and are readily accessible for field examination.

A total of 122 irregularily spaced rotary holes were drilled by Sunburst personnel using company equipment during December, 1954, and the early months of 1955 on 9 of the claims in the northeastern and eastern portions of the properties. Each hole penetrated the lowermost sandstone member of the Morrison formation which is locally the "ore bearing" zone and a sufficient depth to confirm a Summerville formation top. The drilling comprised 15,734 feet of plug (non-core) and core drilling. The few cores were taken at random and were not described or stored. A few samples were taken from the cores for chemical analysis to compare with the probe data. The hole depths ranged from 30 to 190 feet and averaged 129 feet. All drill holes were radiometrically probed and results were recorded for each foot when mineralized. Exhibit E which was prepared from aerial photos and ground surveys by Norman B. Platt of Grand Junction, Colorado, shows the drill hole locations, their collar elevations, access roads and topographic contours. Elevations shown are with a datum of sea level and were carried into the claim area by third order triangulation from AEC triangulation station "S-2".

Results of Previous Drilling Program: Study of the information obtained from the first 122 holes completed to date combined with several surface features

has outlined two favorable trends of uranium mineralization. These are discussed more fully below (Paragraph 4-c). It was found that the mineralization is limited to two zones within the lower part of the Salt Wash sandstone member of the Morrison formation. The "lower zone" is approximately 5 feet and the upper zone 45 feet above the top of the Summerville formation. The dip and strike of the top of the Summerville formation was determined from the drill information to more closely estimate the depth to the mineralized zones at any point on the properties. The Summerville surface was found to strike approximately N25°E and dip 3-3/4 degrees northwest. The mineralized bands or "trends" tend to follow the general strike of the Summerville. Exhibit F is a chart which shows the results of this previous drilling where mineralization was encountered. Drill holes not listed were found to be barren when probed with a geiger-type probe.

(b) Production and Ore Reserves.

Two loads of uranium-vanadium ore were shipped from the prospect drift and from surface exposures on the Rats Nest #1 claim during the summer of 1955. These totaled 7.8 tons which averaged 0.97% U_3O_8 and 3.05% V_2O_5. There are no known ore reserves.

(c) General Geologic Features.

The Joe A. King, Jr., properties are located on the southwesternmost flank of the Henry Mountains, Garfield County, Utah, adjacent to the Harold Ekker properties which have produced high grade uranium-vanadium ores from the Salt Wash member of the Morrison formation for many years. The surface elevations range from 4800 feet in Shootaring Canyon on the west boundary of the claims to 5360 feet on a small butte in the southeastern corner of the property. The surface is dissected by three deep canyons which drain westward from the nearby Henry Mountains. The principal ore zone in the district is best exposed to the east and southwest of the King group of claims and most of the mining performed to date has opened surface showings which lie approximately 45 feet above the Summerville-Salt Wash (Morrison) contact. Roads were quite primitive until the Atomic Energy Commission opened a well graded route into the area early in 1955. The primitive nature of the area had restricted shipments of ore to "high-grade" quality so only the more obvious and richer deposits could be exploited before the road was completed.

The formations pertinent to this application are, in ascending order:

Jurassic - Summerville Formation: The Summerville is composed of well-bedded reddish-brown siltstones, sandstones and shales. Bands or veinlets of gypsum are common in the Summerville and the bedding is often undulatory, probably as a result of the flowage of the gypsum. The contact with the overlying Salt Wash member of the Morrison is unconformable and the reddish clays beneath the contact are often "bleached" a light gray or greenish-gray where there is uranium mineralization in the overlying sands. The formation is approximately 100 feet thick in the area of the claims, but normally only a few feet are penetrated to confirm a formation top in the drill holes. In future drilling it will be necessary to take only an occasional hole down to the Summerville, to check slight irregularities in the regional dip, since the main ore zone lies approximately 45 feet above this datum.

Morrison Formation (Salt Wash member): The Salt Wash member of the Morrison formation consists predominantly of lenticular beds of light gray sandstone of extremely variable grain size which pinchout laterally into thin green or red mudstones or lie between other lenses of sands with varying grain sizes. Channeling is common with layers of varicolored chert conglomerates and carbonized plant material being found in the more prominent channels. The sands are usually very resistant to erosion and form steep ledges along the deeper canyons. Uranium mineralization occurs as disseminated carnotite grains in the finer sands or as coatings on the coarser sand grains. Many zones in which carbonaceous plant material lies along the bedding planes or in which fossil trees are common have carnotite as a replacement of the original wood.

Uranium mineralization is largely restricted to the two zones mentioned above which lie approximately 5 feet and 45 feet above the Summerville formation. The upper zone is the more important source of nearby production and where the thicker and more extensive clusters of ore are found it is usually overlain by a lens of greenish-gray mudstone. This mudstone lies as a tabular body often up to 300 feet in width and as much as 5 feet thick. The writer has not observed any concentration of large ore bodies where the overlying mudstone was absent and it may become a valuable guide for further prospecting.

The Salt Wash member of the Morrison is probably close to 400 feet thick in places on the Joe King properties, but any depth in excess of 200 feet is here considered prohibitive for profitable mining since the ore bodies in the Henry Mountains tend to be lenticular where exposed by surface stripping and would not be suitable for deep underground operations. Maximum drill depths will therefore be 200 feet with the previous average depth being 129 feet.

Structurally, the claims lie on the west flank of the Henry Mountains uplift. The beds dip 3-3/4° in a N65°W direction away from the Mount Ellsworth intrusive which is the southernmost of the Henry Mountains laccoliths. No faulting was observed on the property.

Reasons for Additional Exploration:

(1) Large tonnages of very high grade uranium-vanadium ores have been found along the canyon walls of Shootaring Creek immediately southwest of the Joe King properties. Surface prospecting and drilling during 1955 indicated that mineralization is common in the same zone on the Joe King properties in at least two trends and some commercial grade ores have been shipped from the property. Additional drilling is necessary to delineate the more favorable grounds behind the rim exposures and in the projected trends.

(2) Another possible band of mineralization may lie near the west edge of the properties since the strike of the formations from the larger ore bodies on the Ekker properties crosses this part of the claims. No drilling has been done to date on any of the westernmost claims and the potential ore zone lies at a relatively shallow depth over much of the area.

(3) Large scale mining and exploration has only recently been attempted in the southwestern part of the Henry Mountains so new prospects are in only the first stages of exploration and development. The areas of production and most active exploration nearby are summarized as follows:

(a) The Harold Ekker-Robert Shaw properties from which the majority of the uranium production in the Henry Mountains has originated are contiguous with the King properties to the south and west.

(b) The Del Monte claims which lie immediately east of the easternmost of the Joe King claims have been partially explored by drilling and numerous rim exposures have been developed by stripping or short underground drifts.

(d) Accessibility of the Project.

The properties are reached by driving southeast from Hanksville, Utah, on State Highway 95 a distance of 28.3 miles toward the town of Hite. At this point a new gravel road built by the Atomic Energy Commission turns to the south (right) and reaches the Sunburst Mining Corporation camp at Star Ranch after a distance of 19.1 miles. Two roads lead from this point onto the

claims which are approximately eight miles each in length. The road which turns southeast at the Star Ranch first touches the properties on the east margin of the Rats Nest claim. The main road which continues southwest past Star Ranch is the main access road for the Ekker mines and offers access to the westernmost of the Joe King properties by way of a branch road up Shootaring Creek. These access roads and others built on the claims by Sunburst Mining Corporation are shown on Exhibit A. All of the roads except those on the company's claims are maintained by State or Federal agencies throughout the year.

Ore could be shipped to the buying station at Thompson, Utah, a distance of 143 miles or into the mill of Climax Uranium Company at Grand Junction, Colorado, 221 miles.

(e) Manpower and Equipment.

A complete camp is maintained near the properties by Sunburst Mining Corporation for the use of company and technical personnel and is also available on a rental basis to independent contractors. The company owns a bulldozer and a Failing portable core drill which are available for use during the project. It is contemplated that the company owned equipment would be leased to independent contractors who would in turn furnish all labor and materials connected with their use. Independent drilling contractors will also be employed for the proposed wagon drilling program and they will furnish both their own manpower and equipment. Mincon, a professional geology and engineering firm, will furnish technical personnel, surveying equipment, and transportation for their employees. Sunburst and Mincon will furnish probing and field gamma-ray detection equipment.

Mining equipment,fuel, and supplies are stocked at Hanksville and Greenriver, Utah.

An excellent supply of culinary water is piped from the spring at the Star Ranch campsite. Water for mining and drilling is available from stock tanks below the springs. The camp is heated during the winter by propane and a small Kohler light plant supplies electric power to the camp.

5. THE EXPLORATION PROJECT

(a) The minerals for which the project will explore are uraninite and carnotite for their uranium and vanadium content.

(b) The proposed work will consist of drilling a series of holes to a depth sufficient to fully penetrate the principal mineralized zone in the district which lies approximately 45 feet above the top of the Summerville formation. A few of the holes will be deepened to the top of the Summerville formation to more clearly establish the structural position of this datum.

The drilling is to be divided into two phases. The first phase will include a wide spaced series of holes to be drilled by wagon drills. These proposed sites are shown on Exhibit A with depths sufficient to penetrate the principal mineralized zone. A total of 198 holes is recommended in Phase I which will total approximately 24,310 feet of drilling, as summarized in Schedule 1 (Summary of Phase I Drilling). These holes are located to more fully explore known favorable areas delineated by earlier drilling; to drill behind surface exposures of mineralization; and to explore the western portion of the properties where the principal zone lies at a depth of less than 200 feet.

Phase II drilling will consist of both wagon-type drilling and conventional core drilling, and the drill sites will be located to take advantage of information obtained in the first phase in order to further explore geologically favorable areas or mineralized zones. Criteria for favorability will be those generally used in the field to assess the value of drill information as explained in various publications of the U.S.G.S. and Atomic Energy Commission. It is understood that no holes will be drilled which could be construed as "blocking" ore, and a hole spacing of greater than fifty feet will be used in offsetting ore or mineralized holes. No specific locations for Phase II can be made until sufficient information is accumulated during Phase I drilling to indicate the more favorable locations. Wagon drilling would be used in Phase II where "favorable" areas had been located, but were not mineralized, and core drilling would be used in areas found to be mineralized in Phase I. Where the core drill is used it is planned to plug drillto the top of the mineralized zone, which is usually marked by a greenish-gray mudstone zone, and from this point to the base of the mineralized section an NX diameter core would be cut. All holes will be surveyed and elevations run to drill sites. We recommend 18,450 feet of drilling in Phase II which will comprise about 150 holes with an average depth of 123 feet.

It should not be necessary to run more than one joint of casing in the core holes since relatively little talus will be encountered and the walls of the holes stand up well. It is anticipated that it will be possible to do all of the diamond coring with air since no difficulty has been encountered in the past.

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APPLICATION FOR DMEA PROJECT ON THE HENRY MOUNTAINS PROPERTIES
PREPARED FOR SUNBURST MINING CORPORATION

The cores will be laid in sequence into cardboard storage boxes as pulled and checked for mineralization by a field gamma ray device. A sampler, or geologic assistant, will check the cores and describe them on forms provided. The mineralized intervals will be marked for sampling and split for chemical assay for U_3O_8 and V_2O_5. Occasional $CaCO_3$ determination in ore grade zones will also be made. Such assays will be made by commercial assayors. Each hole will be probed radiometrically as soon as is practicable after completion. Cores will be kept available for inspection by DMEA representatives in the field or at 200 North Sixth Street, Grand Junction, Colorado. Upon completion of the program storage is planned at a public warehouse in Grand Junction.

(c) The work can start within 30 days from the date of the exploration project contract and can be completed within 3 months. Year around operations are possible since snowfall is light, but operations during the cold winter months would be somewhat less efficient and therefore slightly more expensive.

(d) Sunburst Mining Corporation was organized in 1955. The company has been engaged in the acquisition, exploration and development of mining properties (principally uranium). District offices are maintained in Grand Junction, Colo., by Mr. E. W. Creel, General Manager of the Corporation. Mr. Creel has had a long and varied experience in productive mining operations which is briefly summarized as follows:

1907-1911 - Superintendent, Wyoming Mine, Pittsburg Mining & Milling Company, Lake City, Colorado.
1911-1916 - Superintendent, Smuggler Union Co., Telluride, Colorado.
1917-1921 - Superintendent, Anna Beaver Mine, Smuggler Union Company, Oklahoma.
1922-1924 - Superintendent, Mountain Top Mining Company, Ouray, Colo.
1928-1947 - Owner and Operator, Beaumont Hotel, Ouray, Colorado.
1940-1945 - Owner and Operator, Mickey Breen Mine near Ouray, Colorado. This property was granted a $10,000 DMEA loan which was repaid in 18 months from mine production.
1948 - Retired.
1955 - Organized Sunburst Mining Corporation.

Mincon, a professional geology and engineering firm of Grand Junction, Colorado, will act as geologic consultants to Sunburst in the planning and supervision of this project. The background of the Staff of Mincon is as follows:

D. James Edson, Jr., geologist-partner, graduated with a B.A. from Dartmouth College and M.A. from the University of Texas. His early experience

has been with various producing oil and gas companies. Since his association with Mincon, Mr. Edson has planned and supervised exploration drilling programs for Gateway Uranium and Lisbon Uranium Corporation on Beaver Mesa, for Blue Skies Uranium Corporation on Tenderfoot Mesa, for Balboa Mining Corporation on their Muddy River property opposite the Hidden Splendor Mine, and the exploration program for Houston Pool on their Elk Ridge claims. He has critically examined many uranium properties on the Colorado Plateau and outside the Plateau for various interests.

Milton R. Scholl, Jr., geologist-partner, graduated with a B.S. and M.A. degree from the University of Texas. Mr. Scholl has prepared evaluations on many properties within the Colorado Plateau region and in New Mexico and Utah outside the Plateau, and supervised the 1956 drilling program for Lisbon Uranium Corporation on Beaver Mesa. His early experience has been as geologist with several operating oil and gas companies. Most of 1955 he was acting as consultant to the Oil and Gas Division, Reynolds Mining Corporation.

Leon E. Litz, civil engineer-partner, received his B.S. and M.S. degree from Utah State Agricultural College. Mr. Litz is a registered land surveyor in New Mexico, Utah, and Colorado with experience in the Bureau of Public Roads and as engineer with Three States Natural Gas Company prior to his association with Mincon. Mr. Litz has had considerable experience in mine surveying, location work, claim surveying and road building.

6. ESTIMATE OF COSTS

(a) Independent Contractors.

Drilling and bulldozer work necessary in the preparation of drill sites, access roads, etc., will be performed by individual contractors using equipment leased from Sunburst Mining Corporation. Schedule 1 summarizes the estimated depths of Phase I drill sites, and Exhibit A indicates the probable new road requirements. A total of 24,310 feet of drilling is suggested for Phase I. Approximately 18,450 feet of drilling is proposed for the second Phase. The costs of individual contractors are estimated in Schedule 2.

(b) Labor, Supervision, Consultants.

Mincon will supervise the proposed exploration program and will furnish geological and engineering services for $1,800 per month and expenses. This fee

will include a resident geologist as outlined in 5 (b) and all engineering and surveying services required. To prepare the required reports to DMEA, the services of a draftsman and typist will be required on a part time basis. These costs are estimated in Schedule 3.

(c) Operating Materials and Supplies.

Schedule 4 enumerates estimated costs of office supplies incidental to the project, map and drill log reproduction, and field supplies; such as, location stakes, core boxes, flagging, etc.

(d) Operating Equipment.

Operating equipment to be furnished by individual contractors.

(e) Rehabilitation and Repairs.

Not applicable.

(f) New Buildings, Improvements, Installations.

Not applicable.

(g) Miscellaneous.

Schedule 5 lists estimates of costs of chemical assays, core storage, Workmen's Compensation and liability insurance, accounting costs, payroll taxes, etc.

(h) Contingencies.

Independent Contractors: Charges for drilling and coring increase with hole depth and should greater depths be required to penetrate the mineralized zones than estimated in this report, additional costs will be incurred. Also the heavy equipment rentals are based on a time factor and the construction of drill sites and access roads may present more problems than presently foreseeable, therefore, creating the possibility of higher costs than estimated. The contingency of 5% is included to cover these possible increases.

Labor, Supervision, Consultants: Prolongation of the project for any reason will increase these charges since they are based on a time factor. Twenty-five (25) percent is added for this contingency.

MINCON
P. O. Box 270
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Operating Materials and Supplies: Ten (10) percent is added to cover additional material and reproduction services which may be required.

Miscellaneous: To allow for additional chemical assay work, additional insurance costs, or unforeseeable taxes, 20% contingency is added.

7. (a) and (b)

Sunburst Mining Corporation will complete the exploration project for uranium and will make such payments as will be required to complete the program and will be reimbursed by DMEA.

Total cost of the project is estimated to be $54,090.63 as summarized in Schedule 6, Recapitulation of Costs. Reimbursement by DMEA will be at the rate of 75% of the allowable costs as stated in DMEA Order No. 1, Amended. Sunburst Mining Corporation will contribute $13,522.66 which is 25% of the cost of the project.

Respectfully submitted,

MINCON

D. James Edson Jr.
D. James Edson, Jr.

Milton R. Scholl Jr.
Milton R. Scholl, Jr.

Leon E. Litz
Leon E. Litz

August 14, 1956

MINCON
P. O. Box 270
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE HENRY MOUNTAINS PROPERTIES
PREPARED FOR SUNBURST MINING CORPORATION

SCHEDULE 1

SUMMARY OF PHASE I DRILLING

Estimated Total Depth	Number of Holes	Cost Per Hole	Total Dollars	Total Feet
10 Ft.	3	$ 6.50	$ 19.50	30
20	4	13.00	52.00	80
30	6	19.50	117.00	180
40	6	26.00	156.00	240
50	7	32.50	227.50	350
60	13	39.00	507.00	780
70	10	45.50	455.00	700
80	6	52.00	312.00	480
90	8	58.50	468.00	720
100	16	65.00	1,040.00	1,600
110	6	73.50	441.00	660
120	10	82.00	820.00	1,200
130	7	90.50	633.50	910
140	14	99.00	1,386.00	1,960
150	9	107.50	967.50	1,350
160	7	118.00	826.00	1,120
170	19	128.50	2,441.50	3,230
180	28	139.00	3,892.00	5,040
190	12	149.50	1,794.00	2,280
200	7	160.00	1,120.00	1,400
	198 holes		$17,675.50	24,310 feet

Note: Prices per foot and total cost calculated on the basis of the following schedule of prices for wagon drilling:

0 to 100 feet	65¢ per foot
100 to 150 feet	85¢ per foot
150 to 200 feet	$1.05 per foot

SUMMARY OF PHASE I DRILLING

SCHEDULE 1

MINCON
P. O. Box 270
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE HENRY MOUNTAINS PROPERTIES
PREPARED FOR SUNBURST MINING CORPORATION

SCHEDULE 2

AMOUNTS TO BE PAID INDEPENDENT CONTRACTORS

Service	Unit	No. of Units	Cost/ Unit	Cost/ Project	Total Cost
Drilling Contractor					
Phase I					
Wagon Drilling 198 holes	Ft.	24,310	$0.727	$17,675.50	$17,675.50
Phase II					
Wagon Drill Rig	Ft.	12,300	0.727	8,942.10	
Core Drill Rig					
Non-core	Ft.	4,500	1.15	5,175.00	
Core	Ft.	1,650	3.00	4,950.00	
					19,067.10
Total		42,760	$0.859		$36,742.60
Heavy Equipment Contractor					
Equipment Rental	Day	30	$100	3,000.00	3,000.00
Total					$39,742.60

AMOUNTS TO BE PAID INDEPENDENT CONTRACTORS

SCHEDULE 2

MINCON
P. O. Box 270
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE HENRY MOUNTAINS PROPERTIES
PREPARED FOR SUNBURST MINING CORPORATION

SCHEDULE 3

LABOR, SUPERVISION, CONSULTANTS

Services	Cost/ Hour	Cost/ Month	Cost/ Project	Cost/ Unit
Geological and Engineering Consultants	$	$1,800.00	$5,400.00	$
Consultants Field Expenses		700.00	2,100.00	
Drafting (20 hours/month)	3.00	60.00	180.00	
Typist (40 hours/month)	2.25	90.00	270.00	
Total			$8,050.00	$0.188

SCHEDULE 4

OPERATING MATERIALS AND SUPPLIES

Services	Cost/ Month	Cost/ Project	Cost/ Unit
Office Supplies, Map & Log Reproduction	$ 100.00	$ 300.00	$
Field Supplies (core boxes, stakes, probe batteries, flagging, etc.)		500.00	
Total		$ 800.00	$0.018

SCHEDULES 3 and 4

MINCON
P. O. Box 270
Grand Junction, Colorado

APPLICATION FOR DMEA PROJECT ON THE HENRY MOUNTAINS PROPERTIES
PREPARED FOR SUNBURST MINING CORPORATION

SCHEDULE 5

MISCELLANEOUS

Service	Cost/ Month	Cost/ Project
Payroll Tax, Blue Cross, Insurance	$ 20.00	$ 60.00
Accounting & Office Costs	100.00	300.00
Assays (Chemical) 150 assays @ $5		750.00
Core Storage (2 years)	3.00	72.00
Total		$1,182.00

SCHEDULE 6

RECAPITULATION OF COSTS

MF-103 Headings	Cost/ Project	Cost/ Unit
6a Independent Contractors (Sch. 2)	$39,742.60	$0.929
6b Labor, Supervision, Consultants (Sch. 3)	8,050.00	0.188
6c Operating Materials & Supplies (Sch. 4)	800.00	0.018
6d Operating Equipment		
6e Rehabilitation, Repairs		
6f New Buildings, Installations		
6g Miscellaneous (Sch. 5)	1,182.00	0.028
6h Contingencies		
For (a) above - 5%	1,987.13	0.046
For (b) above - 25%	2,012.50	0.047
For (c) above - 10%	80.00	0.002
For (g) above - 20%	236.40	0.006
Total Cost of Project	$54,090.63	$1.264 /foot
DMEA Participation (75%)	$40,567.97	
Sunburst Mining Corporation Participation (25%)	$13,522.66	

SCHEDULES 5 and 6

A G R E E M E N T

THIS AGREEMENT, Made and entered into on this the 26th day of March, A. D. 1955, by and between JOE A. KING, JR., JOHN R. STEELE, R. M. McCOLM, R. P. WILSON, DAVID M. KING, DARRELL C. MALUY, WARREN D. LOWE, BERT ALLRED, and JOSEPH TED KING, parties of the first part, hereinafter referred to as Lessors, and E. W. CREEL, 402 Ouray Avenue, Grand Junction, Colorado, party of the second part, hereinafter referred to as Lessee,

WITNESSETH:

WHEREAS, The following named lessors, to-wit, R. M. McColm, John R. Steele, R. P. Wilson, and Joe A. King, Jr., are the owners of the following described unpatented lode mining claims in the Little Rocky (unorganized) Mining District, Garfield County, Utah, to-wit:

Rats Nest No. 1, Rats Nest No. 2	2
Canyon No. 1 to Canyon No. 20, both inclusive	20

AND WHEREAS, The lessors David M. King, Darrell C. Maluy, Joseph Ted King, and Joe A. King, Jr. are the owners of the following described unpatented lode mining claims in the Little Rocky (unorganized) Mining District, Garfield County, Utah, to-wit:

David No. 1 to David No. 6, both inclusive	6

AND WHEREAS, The lessors Warren D. Lowe, Bert Allred, David M. King, and Joe A. King, Jr. are the owners of the following described unpatented lode mining claims, situate in the Little Rocky (unorganized) Mining District, Garfield County, Utah, to-wit:

David No. 7 to David No. 9 both inclusive	3
Warren No. 1 to Warren No. 9, both inclusive	9
Gnat No. 1, Gnat No. 2, Gnat No. 3, Gnat No. 6,	4
Gnat No. 7, Gnat No. 8, and Gnat No. 9	3
Bert No. 1 to Bert No. 13, both inclusive	13
Teddy No. 1 to Teddy No. 15, both inclusive	15
Dingo No. 1 to Dingo No. 4, both inclusive	4
Jerry No. 1	1
	80
	52
	32

AND WHEREAS, It is the mutual wish and desire of the parties that the lessors lease the above-described mining claims unto the lessee on terms and conditions hereinafter set forth;

NOW, THEREFORE, For and in consideration of the premises and the mutual covenants herein contained, THE PARTIES AGREE As follows, to-wit:

1. That the lessors do hereby let, lease and demise unto the lessee the above-described mining claims for a period beginning on this date and ending on the first day of April, 1956, and for so long a time thereafter as the lessee is developing said property, or mining and selling ores therefrom, unless sooner terminated as hereinafter provided.

2. Lessee agrees to pay to the lessors as rental for said premises ten per cent (10%) of all ores, metals or minerals mined and sold from said premises, including ten per cent (10%) of any production bonus paid by the United States Atomic Energy Commission for ores mined and sold from said premises, but not including haulage or development allowances paid by any agency. The parties agree that the lessee shall instruct the buyer or buyers of ores mined and sold from said premises to pay ten per cent (10%) of the gross values thereof unto the lessors; all payments belonging to the lessors hereunder shall be paid by the buyer or buyers of ores to Joe A. King, Jr., Post Office Box 501, Grand Junction, Colorado, and all checks or drafts payable to the lessors hereunder for ores sold from said premises shall be payable to Joe A. King, Jr., agent, and the buyer or buyers of ores shall be relieved of all liability, obligation and responsibility for the payment of the proceeds to the lessors by making their draft or check payable to the said Joe A. King, Jr., as agent.

3. The lessors hereunder covenant and agree that Joe A. King, Jr. shall divide all payments received by lessors as provided herein in accordance with the interest of the respective lessors in and to said mining claims.

4. In consideration of the premises and the execution of this agreement by the lessors, the lessee agrees to pay to lessors, upon the execution of this agreement, the sum of Four Thousand Dollars ($4,000), said sum to constitute rental for said premises in addition to the rental paid to the lessors out of ore payments as hereinabove provided.

5. The lessee agrees to go upon the above-described mining claims not later than April 15, 1955, and perform the annual assessment work to be performed by June 30, 1955, in accordance with the applicable laws, said assessment work to be done and completed by the first day of June, 1955, and the lessee shall make and file necessary affidavits certifying that the assessment work has been done upon said mining claims, and shall furnish copies of said affidavits to the lessors.

6. The lessee agrees that he shall, immediately after the execution of this agreement, engage a licensed surveyor for the purpose of surveying the mining claims above-described, and shall continue, with reasonable diligence, to complete said surveying work within the shortest time possible. The lessors agree that they shall assist the lessee or his surveyor in surveying said premises by pointing out claim corners and location monuments. The lessors agree that they will pay, out of production from said claims only, a sum not to exceed Three Thousand Dollars ($3,000) for said surveying work. The lessee shall bear the entire cost of said survey, unless and until ores, metals or minerals are mined and sold from said premises, in which event the lessee shall keep and retain the first Three Thousand Dollars ($3,000) of the proceeds derived from the sale of said ores belonging to the lessors under the terms of Paragraph 2 hereof.

7. It is mutually understood and agreed that in the event the surveying of said claims discloses that there are fractions of claims or land open to mineral location within or adjacent to said claims, not previously located, that all of said open land within or adjacent to the mining claims herein described, shall be properly located by lessee, and in the names of the lessors

herein, and said mining claims or fractions thereof so located shall be and remain the property of lessors.

8. IT IS UNDERSTOOD AND AGREED By and between the parties hereto that the lessee shall proceed, with reasonable diligence, to mine and sell all ores of commercial quantity and quality discovered by him upon said mining claims, and lessee agrees to furnish to lessors all geological information and data obtained by him in prospecting and exploring and developing and mining said mining claims.

9. Lessee agrees that he shall mine and develop said mining claims in a good and minerlike fashion, performing thereon not less than 50 8-hour man shifts of labor permonth for each calendar month during the term hereof, unless prevented by unavoidable casualty, weather conditions or acts of God.

10. The parties agree that the lessee may, in the event he is not in default under the terms hereof, upon giving thirty (30) days written notice to lessors, quit and surrender possession of said premises to lessors, and this lease shall be and become terminated at the end of said thirty-day period, after the mailing of notice by lessee to lessors, and all of the obligations and responsibilities of the lessee hereunder shall thereupon terminate. Said notice shall be addressed to lessors in care of Joe A. King, Jr., Post Office Box 501, Grand Junction, Colorado, and sent by United States registered mail, and shall be deemed to have been given on the date of mailing thereof.

11. IT IS MUTUALLY UNDERSTOOD AND AGREED That, in the event of a violation of any covenant and condition herein contained to be kept and performed by the lessee, the lessors may, at their election, notify the lessee of such default, specifying the default in substantial detail, and in the event the lessee does not, within thirty (30) days after the mailing of said notice, commence to cure such default, with reasonable diligence, this agreement shall, at the end of said thirty-day period, terminate, and the lessors, or their agent, may thereupon enter upon said premises and dispossess all persons found occupying the same, with or without force, and with or without process of law; said notice shall be addressed to E. W. Creel, 402 Ouray Avenue, Grand Junction, Colorado, by United States registered mail, and shall be deemed to have been given on the date of the mailing thereof. In the event of the termination of this agreement as aforesaid, the lessors shall keep and retain all sums theretofore paid to them, as liquidated damages and rent.

12. Lessee agrees to permit the lessors, or their agents, to enter upon the premises herein described, at all reasonable times, for the purpose of inspection.

13. To pay all taxes which may be levied or assessed against the premises and on any and all structures and improvements which may now or hereafter be erected thereon, and to pay such licenses, severance taxes, production taxes, and any other taxes which may be levied or assessed against the materials, ores and products taken and extracted from said premises.

14. To take out, carry and maintain full industrial insurance with the Utah State Industrial Commission for any and all persons employed in or upon

said claims and to conduct all operations thereon so as to comply fully with the laws of the United States and of the State of Utah relating to mining, safety regulations and in every other respect, and further to save and keep the lessors harmless of and from all claims and liability of every kind and nature which may be incurred by them in the performance of this agreement, whether due to the negligence of the lessee or otherwise.

15. The lessee agrees to enter upon the leased premises and to work and mine the same in a good and minerlike fashion, with due regard to the development and preservation of the premises, and to carry on said work in accordance with the requirements of the applicable State and Federal laws, rules and regulations pertaining to mining.

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

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

/s/ Joe A. King, Jr. (SEAL)

/s/ R. M. McColm (SEAL)

/s/ John Steele (SEAL)

/s/ R. P. Wilson (SEAL)

/s/ Darrell C. Maluy (SEAL)

/s/ Joseph Ted King (SEAL)

/s/ Warren D. Lowe (SEAL)

/s/ Bert Allred (SEAL)

/s/ David M. King (SEAL)
by Joe A. King, Jr., His attorney in Fact

Parties of the First Part

/s/ E. W. Creel (SEAL)

Party of the Second Part

STATE OF COLORADO)
: SS.
COUNTY OF M E S A)

On the 26th day of March, A. D. 1955, personally appeared before me Joe A. King, Jr., R. M. McColm, John Steele, R. P. Wilson, Darrell C. Maluy, Joseph Ted King, Warren D. Lowe, Bert Allred and E. W. Creel, the signers of the above instrument, who duly acknowledged to me that they executed the same.

Witness my hand and notarial seal.

My commission expires February 20, 1957.

/s/ Marcedus Murphy
Notary Public

Notarial Seal

STATE OF COLORADO)
: SS.
COUNTY OF M E S A)

On the 26th day of March, A. D. 1955, personally appeared before me Joe A. King, Jr., who, being by me duly sworn, did say that he is the attorney in fact of David M. King and that said instrument was signed on behalf of said grantor by authority, and said Joe A. King, Jr. acknowledged to me that he, as such attorney in fact, executed the same.

Witness my hand and notarial seal.

My commission expires February 20, 1957.

/s/ Marcedus Murphy
Notary Public

Notarial Seal

Recorded April 14, 1955 at 10:30 a.m. Mildred Deuel County Recorder

ASSIGNMENT OF MINING LEASE

THIS AGREEMENT Made and entered into as of April 25, 1955, between E. W. CREEL of Grand Junction, Colorado, T. F. CONNER and SAM D. DeCHERIO both of Dallas, Texas, hereinafter called Assignors, and SUNBURST MINING CORPORATION, a Texas corporation duly authorized to transact business in the State of Utah, hereinafter called Assignee;

WITHESSETH:

E. W. Creel is Lessee in that certain mining lease under date of March 26, 1955, wherein Joe A. King, Jr., and others are Lessors covering the mining claims in Garfield County, Utah, as described in said lease, a true copy thereof marked Exhibit "A" being hereto attached and made a part hereof. T. F. Conner and Sam D. DeChearo are each the owners of an undivided One-Third (1/3rd) interest in and to said mining lease.

Assignors for and in consideration of the sum of Ten ($10.00) Dollars and other valuable consideration do hereby sell, assign and transfer to the above named Assignee all of their right, title and interest in and to said mining lease hereby warranting unto Assignee that said lease is upon the date hereof, in full force and effect.

Assignee does hereby accept said assignment and agrees to observe and comply with each of the terms, covenants and conditions therein contained that are to be kept and observed and performed by Assignor E. W. Creel Lessee.

That the Assignee will save and hold harmless the Assignors of and from all actions, claims and demands whatsoever that may arise out of or in respect of said lease Exhibit "A".

WITNESS Their Names.

/s/ E. W. Creel
E. W. Creel

/s/ T. F. Conner
T. F. Conner

/s/ Sam DeChearo
Sam D. DeCherio

ASSIGNORS

SUNBURST MINING CORPORATION

/s/ Sam DeChearo
President

ASSIGNEE

STATE OF COLORADO)
) ss.
COUNTY OF M E S A)

On the 25th day of April, 1955, personally appeared before me E. W. Creel, T. F. Conner and Sam DeCherio, the signers of the above instrument, who each duly acknowledged to me that he executed the same.

My commission expires April 21, 1956.

/s/ Scott W. Heckman
Notary Public
Grand Junction,
Colorado

STATE OF COLORADO)
) ss.
COUNTY OF M E S A)

On the 25th day of April, 1955, personally appeared before me SAM DeCHERIO, who being duly sworn by me did say that he is the President of Sunburst Mining Corporation, that said instrument was signed in behalf of said corporation by authority of its by-laws and the said Sam DeCherio acknowledged to me that said corporation executed the same.

My commission expires April 21, 1956.

/s/ Scott W. Heckman
Notary Public
Grand Junction,
Colorado

Exhibit "A" as referred to in this ASSIGNMENT OF MINING LEASE is Exhibit B of the DMEA Loan Application.

LIST OF RECORDED CLAIMS
WITH BOOK & PAGE OF ORIGINAL & AMENDED LOCATION NOTICES

		Garfield County, Utah, Recorder's Office		
Name of Claim	Date Loc.	Book	Page	Date Rec.
Rats Nest #1	3-12-54	20 88	27 103	3-18-54 8- 1-55
Rats Nest #2	3-12-54	20 88	28 104	3-18-54 8- 1-55
Canyon #1	3-11-54	22 88	30 105	4- 8-54 8- 1-55
Canyon #2	3-11-54	22 88	31 106	4- 8-54 8- 1-55
Canyon #3	3-11-54	22 88	32 107	4- 8-54 8- 1-55
Canyon #4	3-11-54	22 88	33 108	4- 8-54 8- 1-55
Canyon #5	3-11-54	22 88	34 109	4- 8-54 8- 1-55
Canyon #6	3-11-54	22 88	35 110	4- 8-54 8- 1-55
Canyon #7	3-11-54	22 88	36 111	4- 8-54 8- 1-55
Canyon #8	3-11-54	22 88	37 112	4- 8-54 8- 1-55
Canyon #9	3-11-54	22 88	38 113	4- 8-54 8- 1-55
Canyon #10	3-11-54	22 88	39 114	4- 8-54 8- 1-55
Canyon #11	3-12-54	22 88	40 115	4- 8-54 8- 1-55
Canyon #12	3-12-54	22 88	41 116	4- 8-54 8- 1-55

Name of Claim	Date Loc.	Book	Page	Date Rec.
Canyon #13	3-12-54	22 88	42 117	4- 8-54 8- 1-55
Canyon #14	3-11-54	22 88	43 118	4- 8-54 8- 1-55
Canyon #15	3-12-54	22 88	44 119	4- 8-54 8- 1-55
Canyon #16	3-12-54	22 88	45 120	4- 8-54 8- 1-55
Canyon #17	3-12-54	22 88	46 121	4- 8-54 8- 1-55
Canyon #18	3-12-54	22 88	47 122	4- 8-54 8- 1-55
Canyon #19	3-12-54	22 88	48 123	4- 8-54 8- 1-55
Canyon #20	3-12-54	22 88	49 124	4- 8-54 8- 1-55
David #1	5-24-54	28 88	338 125	5-28-54 8- 1-55
David #2	5-24-54	28 88	339 126	5-28-54 8- 1-55
David #3	5-24-54	28 88	340 127	5-28-54 8- 1-55
David #4	5-24-54	28 88	341 128	5-28-54 8- 1-55
David #5	5-24-54	28 88	342 129	5-28-54 8- 1-55
David #6	5-24-54	28 88	343 130	5-28-54 8- 1-55
David #7	5-29-54	32 88	375 131	6-24-54 8- 1-55
David #8	5-30-54	32 88	376 132	6-24-54 8- 1-55

Name of Claim	Date Loc.	Book	Page	Date Rec.
David #9	5-30-54	32 88	377 133	6-24-54 8- 1-55
Warren #1	6- 1-54	32 88	366 165	6-24-54 8- 1-55
Warren #2	6- 1-54	32 88	367 166	6-24-54 8- 1-55
Warren #3	6- 1-54	32 88	368 167	6-24-54 8- 1-55
Warren #4	6- 1-54	32 88	369 168	6-24-54 8- 1-55
Warren #5	5-29-54	32 88	370 169	6-24-54 8- 1-55
Warren #6	5-29-54	32 88	371 170	6-24-54 8- 1-55
Warren #7	5-29-54	32 88	372 171	6-24-54 8- 1-55
Warren #8	5-29-54	32 88	373 172	6-24-54 8- 1-55
Warren #9	5-29-54	32 88	374 173	6-24-54 8- 1-55
Gnat #1	5-30-54	32 88	378 158	6-24-54 8- 1-55
Gnat #2	5-30-54	32 88	379 159	6-24-54 8- 1-55
Gnat #3	5-30-54	32 88	380 160	6-24-54 8- 1-55
Gnat #6	6- 1-54	32 88	381 161	6-24-54 8- 1-55
Gnat #7	6- 1-54	32 88	382 162	6-24-54 8- 1-55
Gnat #8	6- 1-54	32 88	383 163	6-24-54 8- 1-55
Gnat #9	5-30-54	32 88	384 164	6-24-54 8- 1-55

Name of Claim	Date Loc.	Book	Page	Date Rec.
Bert #1	6- 1-54	32 88	353 146	6-24-54 8- 1-55
Bert #2	6- 1-54	32 88	354 147	6-24-54 8- 1-55
Bert #3	6- 1-54	32 88	355 148	6-24-54 8- 1-55
Bert #4	6- 1-54	32 88	356 149	6-24-54 8- 1-55
Bert #5	6- 1-54	32 88	357 150	6-24-54 8- 1-55
Bert #6	6- 1-54	32 88	358 151	6-24-54 8- 1-55
Bert #7	6- 1-54	32 88	359 152	6-24-54 8- 1-55
Bert #8	6- 1-54	32 88	360 153	6-24-54 8- 1-55
Bert #9	6- 1-54	32 88	361 154	6-24-54 8- 1-55
Bert #10	6- 1-54	32 88	362 155	6-24-54 8- 1-55
Bert #11	6- 1-54	32	363	6-24-54
Bert #12	6- 1-54	32 88	364 156	6-24-54 8- 1-55
Bert #13	6- 1-54	32 88	365 157	6-24-54 8- 1-55
Teddy #1	5-30-54	32 88	333 134	6-24-54 8- 1-55
Teddy #2	5-30-54	32 88	334 135	6-24-54 8- 1-55
Teddy #3	6-17-54	32 88	335 136	6-24-54 8- 1-55
Teddy #4	6-17-54	32 88	336 137	6-24-54 8- 1-55

Name of Claim	Date Loc.	Book	Page	Date Rec.
Teddy #5	6-17-54	32 88	337 138	6-24-54 8- 1-55
Teddy #6	6-17-54	32 88	338 139	6-24-54 8- 1-55
Teddy #7	6-17-54	32 88	339 140	6-24-54 8- 1-55
Teddy #8	6-17-54	32 88	340 141	6-24-54 8- 1-55
Teddy #9	6-17-54	32 88	341 142	6-24-54 8- 1-55
Teddy #10	6-17-54	32 88	342 143	6-24-54 8- 1-55
Teddy #11	6-17-54	32 88	343 144	6-24-54 8- 1-55
Teddy #12	6-17-54	32 88	344 145	6-24-54 8- 1-55
Dingo #1	6-18-54	32 88	348 174	6-24-54 8- 1-55
Dingo #2	6-18-54	32 88	349 175	6-24-54 8- 1-55
Dingo #3	6-18-54	32 88	350 176	6-24-54 8- 1-55
Dingo #4	6-18-54	32 88	351 177	6-24-54 8- 1-55
Jerry #1	6-18-54	32 88	352 178	6-24-54 8- 1-55
Creel #1	6-22-55	88	179	8- 1-55
Creel #2	6-22-55	88	180	8- 1-55
Creel #3	6-23-55	88	181	8- 1-55
Creel #4	6-23-55	88	182	8- 1-55
Creel #5	6-21-55	88	183	8- 1-55

Name of Claim	Date Loc.	Book	Page	Date Rec.
Creel #6	6-21-55	88	184	8- 1-55
Creel #7	6-21-55	88	185	8- 1-55
Creel #8	6-24-55	88	186	8- 1-55
Creel #9	6-25-55	88	187	8- 1-55
Creel #10	6-25-55	88	188	8- 1-55
Creel #11	7- 6-55	88	189	8- 1-55
Creel #12	7- 6-55	88	190	8- 1-55
Creel #13	6-30-55	88	191	8- 1-55
Creel #14	6-30-55	88	192	8- 1-55
Creel #15	6-30-55	88	193	8- 1-55
Creel #16	7- 1-55	88	194	8- 1-55
Creel #17	7- 1-55	88	195	8- 1-55
Creel #18	7- 1-55	88	196	8- 1-55
Creel #19	7- 1-55	88	197	8- 1-55
Creel #20	10- 4-55	92	147	11- 7-55
Creel #21	10- 4-55	92	148	11- 7-55
Creel #22	10- 4-55	92	149	11- 7-55

DRILLING DATA - SUNBURST MINING CORPORATION

Claim	Hole No.	MINERALIZED ZONES Interval	Thick	Av. Probe	T.D.	Elev. Grd.	Elev. Js
Rats Nest #1	S-2	111 -112	1.0	0.23	113		
Rats Nest #1	S-4	118 -119	1.0	Tr	132		
Rats Nest #1	S-5	114 -124	10.0	0.04	132		
Rats Nest #1	S-10	85.0	----	Tr			
		114.0	----	Tr	125		
Rats Nest #1	S-12	113 -123	10.0	0.11	131	5172	5047
*Rats Nest #1	S-14	86 - 89	3.0	0.05			
		129 -130	1.0	0.02	152	5175	5032
Rats Nest #1	S-16	143 -144	1.0	0.06	152	5186	5039
Creel #20	S-17	137.5-138	0.5	0.04	152	5025	4880
Creel #20	S-18	118 -141	23.0	0.04	158	5036	4884
Creel #20	S-20	120 -144	24.0	0.05	158	5056	4906
Creel #20	S-21	129 -149	20.0	Tr	152	5052	4900
Creel #20	S-22	140 -149	9.0	0.04	162	5032	4878
Creel #20	S-23	135 -145	10.0	Tr	163	5046	4886
Creel #3	S-25	134 -135	1.0	Tr	152	5085	4940
Canyon #20	S-28	128.5-129	0.5	0.04	150		
Canyon #14	S-29	132 -133.5	1.5	0.03	160	5013	4866
Canyon #14	S-30	122 -126	4.0	Tr	153	5010	4864
Canyon #14	S-36	128.5-129	0.5	0.04	151	4978	4836
Canyon #14	S-40	120 -120.5	0.5	Tr	150	4969	4825
Canyon #14	S-41	126 -131	5.0	0.05	160	4963	4815
Canyon #14	S-42	142 -147	5.0	0.07	160	4962	4814
Canyon #14	S-43	137 -143	6.0	Tr	157	4961	4811
Canyon #14	S-45	121 -122	1.0	0.08	152	4961	4815
Canyon #14	S-48	147 -147.5	0.5	0.04	160	4963	4807
Canyon #14	S-49	146 -147.5	1.5	0.19	160	4962	4808
Canyon #14	S-50	144 -146	2.0	Tr	150	4961	4814
Canyon #14	S-51	129 -129.5	0.5	0.02	160	4964	4810
Canyon #14	S-52	129 -132	3.0	Tr	160	4964	4810
Canyon #14	S-53	146 -147	1.0	Tr	160	4963	4804
Canyon #14	S-54	164 -168	4.0	0.05	180	4978	4803
Canyon #14	S-55	165 -172	7.0	0.04	187	4975	4795
Canyon #14	S-56	168 -172	4.0	Tr	190	4972	4799
Canyon #14	S-57	167 -174	7.0	0.06	190	4984	4808
Canyon #14	S-59	173.5-174.5	1.0	0.11	190	4990	4820
Canyon #14	S-60	168 -169	1.0	0.09	174	4984	4808
Canyon #12	S-62	129 -136	7.0	0.04	160		
Canyon #19	S-66	110 -114	4.0	Tr	123	5148	5030
*Rats Nest #1	S-67	90 - 92	2.0	0.08	148		
*Teddy #1	S-74	23 - 24	1.0	0.07			
		36 - 37	1.0	0.08	60	5094	5039
*Teddy #1	S-75	28 - 31	3.0	Tr	60	5104	5048
Teddy #1	S-76	42.5-43.0	0.5	0.06	60	5106	5052

MINERALIZED ZONES

Claim	Hole No.	Interval	Thick	Av. Probe	T.D.	Elev. Grd.	Elev. Js
Teddy #1	S-78	46 - 48	2.0	0.07	54	5118	5070
Teddy #1	S-80	50 - 51	1.0	0.06	60	5135	5080
Teddy #1	S-82	72 - 73	1.0	0.08	90	5107	5024
Teddy #1	S-83	72 - 73	1.0	Tr	90	5109	5026
*Teddy #1	S-84	45 - 46	1.0	Tr	90	5124	5040
Teddy #1	S-85	81.5- 82.5	1.0	0.11	100	5129	5037
Teddy #1	S-86	71 - 78	7.0	Tr	90	5128	5044
Teddy #1	S-89	82 - 83	1.0	0.06	100	5148	5056
Teddy #1	S-90	81.5- 82.5	1.0	0.12	90	5152	5067
Teddy #1	S-91	82 - 83	1.0	Tr	100	5157	5068
Teddy #1	S-98	100.0-102	2.0	Tr	110	5159	5052
Teddy #1	S-100	81 - 85	4.0	0.05	100	5131	5038
Teddy #1	S-101	80 - 81	1.0	0.06	90	5127	5042
Teddy #1	S-102	102 -103	1.0	0.07	130	5149	5045
*Teddy #1	S-106	78 - 79.5	1.5	0.07	130	5182	5055
Teddy #1	S-107	106 -108	2.0	Tr	130	5174	5051
Teddy #1	S-109	111 -114	3.0	Tr	140	5171	5049
Teddy #1	S-110	118.5-120	1.5	0.06			
		122 -124	2.0	0.06	139	5184	5052
*Teddy #1	S-111	93 - 93.5	0.5	Tr	130	5181	5056
Teddy #1	S-112	112 -114	2.0	0.04	135	5180	5052
*Creel #8	S-113	14.5- 19	4.5	0.12	75	5109	5041
Creel #8	S-114	85.5- 86	0.5	0.07	100	5120	5025
Creel #8	S-116	110 -111	1.0	0.08	120	5145	5031
Creel #8	S-118	108 -110.5	2.5	Tr	120	5136	5021
*Creel #8	S-119	59 - 60	1.0	0.07			
		71 - 72	1.0	0.05	110	5130	5025
Creel #8	S-120	92 - 93	1.0	0.13	100	5125	
*Creel #8	S-122	?	1.5	0.02	30	5103	
Rats Nest #1	S-72	112 -114	2.0	0.20	130		
Rats Nest #1	S-73	119 -119.5	0.5	0.05	125		
Canyon #14	S-61	164 -165.8	1.8	?	166+		

*Signifies Summerville + 45' zone

The following are results of chemical analysis of cores for comparison with radiometric probe data:

			U_3O_8	V_2O_5
Canyon #14	S-60	168 -169	0.04	0.01
Canyon #14	S-61	164 -165.8	0.02	0.00
Teddy #1	S-106	78 - 80	0.01	0.00